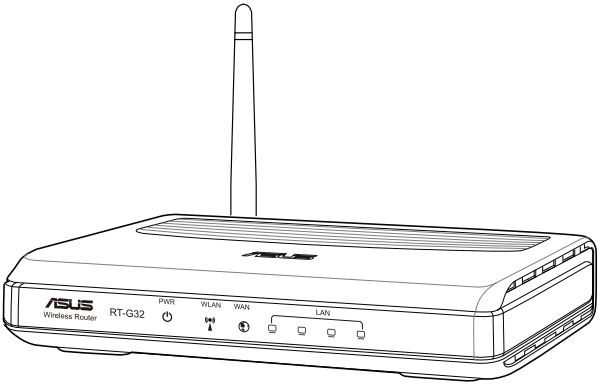
RT-G32
Wireless Router



User Manual

E4264
First Edition
November 2008

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About this guide

This user guide contains information that you need to install and configure the ASUS Wireless Router.

How this guide is organized

This guide contains the following parts:

- **Chapter 1: Knowing your wireless router**

  This chapter provides information on the package contents, system requirements, hardware features, and LED indicators of the ASUS Wireless Router.

- **Chapter 2: Setting up the hardware**

  This chapter provides instructions on setting up, accessing, and configuring the ASUS Wireless Router.

- **Chapter 3: Configuring the network clients**

  This chapter provides instructions on setting up the clients in your network to work with your ASUS Wireless Router.

- **Chapter 4: Configuring via the web GUI**

  This chapter provides instructions on configuring the ASUS Wireless Router using its web graphics user interface (web GUI).

- **Chapter 5: Installing the utilities**

  This chapter provides information on the utilities that are available from the support CD.

- **Chapter 6: Troubleshooting**

  This chapter provides you with a troubleshooting guide for solving common problems you may encounter when using the ASUS Wireless Router.

- **Appendices**

  This chapter provides you with the regulatory Notices and Safety Statements.

Conventions used in this guide

WARNING: Information to prevent injury to yourself when trying to complete a task.

CAUTION: Information to prevent damage to the components when trying to complete a task.

IMPORTANT: Instructions that you MUST follow to complete a task.

NOTE: Tips and additional information to aid in completing a task.

1 Knowing your wireless router

Package contents

Check the following items in your ASUS Wireless Router package.

- ☑ RT-G32 Wireless Router
- ☑ Power adapter
- ☑ Support CD (manual, utilities)
- ☑ RJ45 cable
- ☑ Quick Start Guide

Note: If any of the items is damaged or missing, contact your retailer.

System requirements

Before installing the ASUS Wireless Router, ensure that your system/network meets the following requirements:

- An Ethernet RJ-45 port (10Base-T/100Base-TX)
- At least one IEEE 802.11b/g device with wireless capability
- An installed TCP/IP and Internet browser
- This utility supports Internet Explorer 6.0 or later version.

Before you proceed

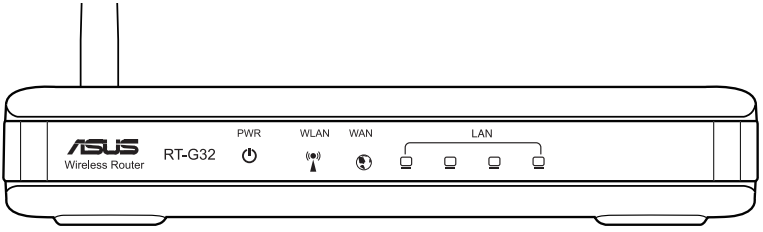
Take note of the following guidelines before installing the ASUS Wireless Router:

- The length of the Ethernet cable that connects the device to the network (hub, ADSL/cable modem, router, wall patch) must not exceed 100 meters.
- Place the device on a flat, stable surface as far from the ground as possible.
- Keep the device clear from metal obstructions and away from direct sunlight.
- Keep the device away from transformers, heavy-duty motors, fluorescent lights, microwave ovens, refrigerators, and other industrial equipment to prevent signal loss.

- Install the device in a central area to provide ideal coverage for all wireless mobile devices.
- Install the device at least 20cms from a person to insure that the product is operated in accordance with the RF Guidelines for Human Exposure adopted by the Federal Communications Commission.

Hardware features

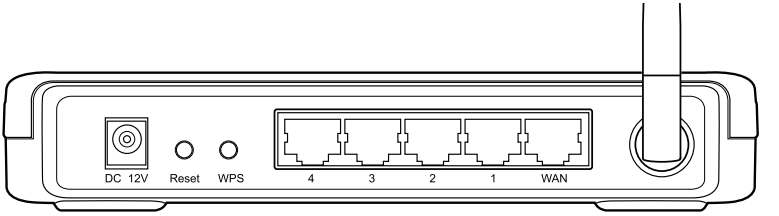
Front panel



Status indicators

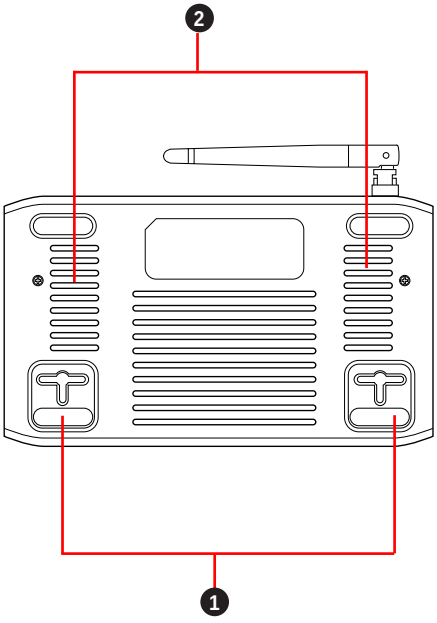
LED	Status	Indication
⏻ (Power)	Off	No power
	On	System ready
WLAN (Wireless LAN)	Off	No power
	On	Wireless system ready
	Flashing	Transmitting or receiving data (wireless)
LAN 1-4 (Local Area Network)	Off	No power or no physical connection
	On	Has physical connection to an Ethernet network
	Flashing	Transmitting or receiving data (through Ethernet cable)
WAN (Wide Area Network)	Off	No power or no physical connection
	On	Has physical connection to an Ethernet network
	Flashing	Transmitting or receiving data (through Ethernet cable)

Rear panel



Label	Description
ANTENNA	Adjust the antenna manually to get a better signal reception
WPS	Press this button to launch the Wi-Fi Protected Setup (WPS).
Reset	Press for three seconds to restore to the factory default settings.
WAN	Connect an RJ-45 Ethernet cable to this port to establish WAN connection.
LAN1-LAN4	Connect RJ-45 Ethernet cables to these ports to establish LAN connection.
DC 12V	Insert the DC adapter into this port to connect your router to a power source.

Back panel



Item	Description
1	**Mounting hooks** Use the mounting hooks to mount your router on concrete or wooden surfaces using two roundhead screws.
2	**Air vents** These vents provide ventilation to your router.

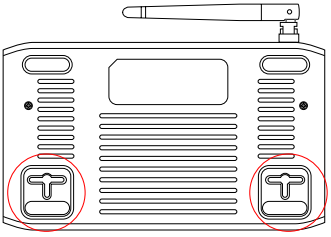
Note: For details on mounting your router on a wall or ceiling, refer to the section **Mounting options** on the next page of this user manual.

Mounting options

Out of the box, the ASUS Wireless Router is designed to sit on a raised flat surface like a file cabinet or book shelf. The unit may also be converted for mounting to a wall or ceiling.

To mount the ASUS Wireless Router:

1. Look on the underside for the two mounting hooks.
2. Mark two upper holes in a flat surface.
3. Tighten two screws until only 1/4" is showing.
4. Latch the hooks of the ASUS Wireless Router onto the screws.



Note: Re-adjust the screws if you cannot latch the ASUS Wireless Router onto the screws or if it is too loose.

2 Setting up the hardware

Setting up the wireless router

The ASUS Wireless Router meets various working scenarios with proper configurations. You may need to change the wireless router's default settings so as to meet the requirements in your wireless environment. It also provides you with EZSetup, a utility that enables you to easily set up a secure wireless network.

Notes:

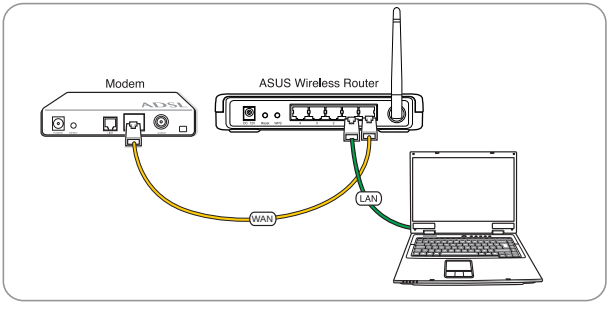
- For more details on EZSetup, refer to the section **EZSetup** in Chapter 5 of this user manual.

Setting up a wired connection

The ASUS Wireless Router is supplied with an Ethernet cable in the package. The wireless router has integrated auto-crossover function, so use either straight-through or crossover cable for wired connection.

To set up the wired connection:

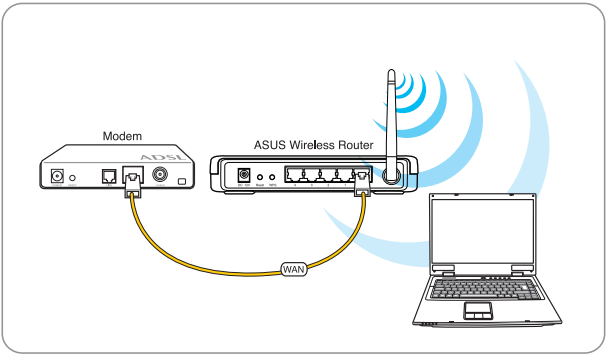
1. Turn on your router and the modem.
2. Using an Ethernet cable, connect the router's WAN port to the modem.
3. Using another Ethernet cable, connect the router's LAN port to your PC's LAN port.



Setting up a wireless connection

To set up a wireless connection:

1. Turn on your router and the modem.
2. Using an Ethernet cable, connect the modem to the router's WAN port.
3. Connect an IEEE 802.11b/g compatible WLAN card. Refer to your wireless adapter user manual for wireless connection procedures. By default, the SSID of ASUS Wireless Router is "default" (in lower case), encryption is disabled and open system authentication is used.



Configuring the wireless router

The ASUS Wireless Router includes a web graphics user interface (web GUI) which allows you to configure the wireless router using a web browser on your computer.

Using the web GUI

If your PC connects to the router using a cable, launch a web browser and the login page of the router's web GUI is automatically launched.

If your PC connects to the router wirelessly, you have to select the network first.

To select the network:

1. Click **Start** > **Control Panel** > **Network Connections** > **Wireless Network Connection**.
2. Select a network from the **Choose a wireless network** window. Wait for it to connect.

Note: By default, the SSID of wireless router is **default**. Connect to this default SSID.

3. After establishing a wireless connection, launch a web browser.

Notes:

- You may also manually key in the router's default IP address (**192.168.1.1**) to launch the router's web interface.
- For more details on configuring your wireless router using the web GUI, refer to **Chapter 4: Configuring via the web GUI**.

3 Configuring the network clients

Accessing the wireless router

Setting an IP address for wired or wireless client

To access the ASUS Wireless Router, you must have the correct TCP/IP settings on your wired or wireless clients. Ensure that the clients' IP addresses are within the same subnet as the ASUS Wireless Router.

By default, the ASUS Wireless Router integrates the DHCP server functions, which automatically assign IP addresses to the clients in your network.

But in some instances, you may want to manually assign static IP addresses on some of the clients or computers in your network rather than automatically getting IP addresses from your wireless router.

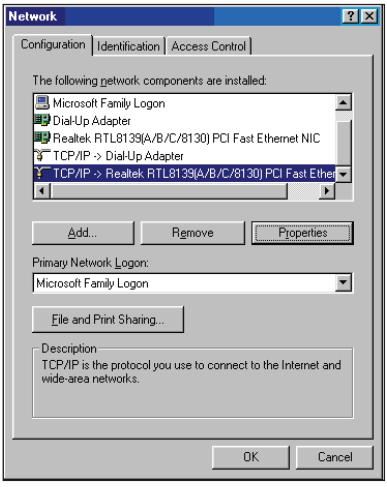
Follow the instructions below that correspond to the operating system installed on your client or computer.

Note: If you want to manually assign an IP address to your client, we recommend that you use the following settings:

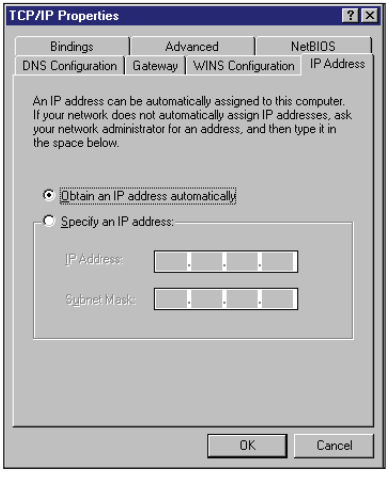
- **IP address**: 192.168.1.xxx (xxx can be any number between 2 and 254. Ensure that the IP address is not used by another device)
- **Subnet Mask**: 255.255.255.0 (same as the ASUS Wireless Router)
- **Gateway**: 192.168.1.1 (IP address of the ASUS Wireless Router)
- **DNS**: 192.168.1.1 (ASUS Wireless Router) or assign a known DNS server in your network

Windows® 9x/ME

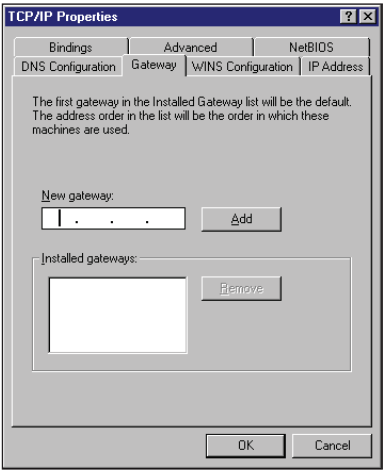
1. Click **Start** > **Control Panel** > **Network** to display the Network setup window.
2. Select **TCP/IP** then click **Properties**.



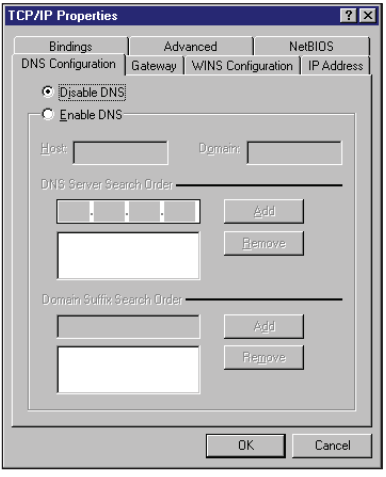
3. If you want your computer to automatically obtain an IP address, click **Obtain an IP address automatically** then click OK. Otherwise, click **Specify an IP address**, then key in the **IP address** and **Subnet Mask**.



4. Select **Gateway** tab, and key in **New gateway** then click **Add**.

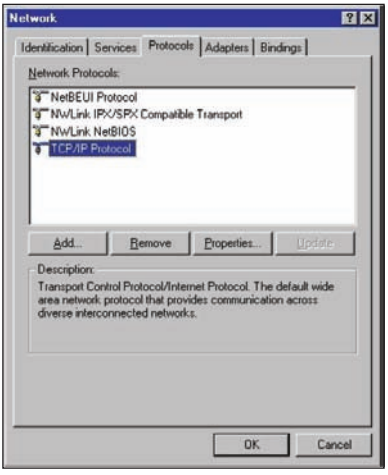


5. Select the **DNS configuration** tab and click **Enable DNS**. Key in **Host**, **Domain**, and **DNS Server Search Order**, then click **Add**.
6. Click **OK**.

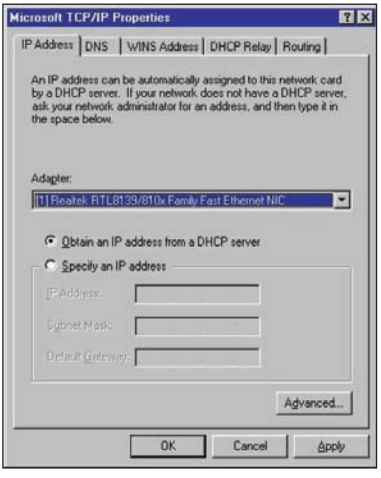


Windows® NT4.0

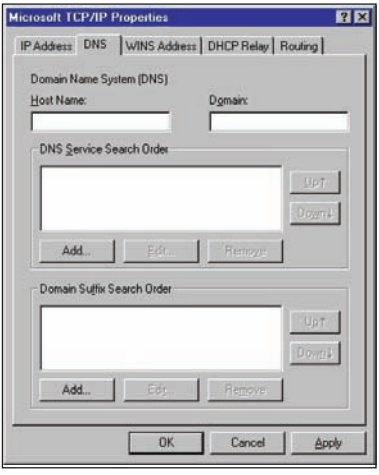
1. Go to **Control Panel** > **Network** to display the Network setup window then select the **Protocols** tab.
2. Select **TCP/IP Protocol** from the Network Protocols list then click **Properties**.



3. From the IP Address tab of the Microsoft TCP/IP Properties windows, you can:
   - Select the type of network adapter installed in your system.
   - Set the router to assign IP address automatically.
   - Manually set up the IP address, subnet mask, and default gateway.

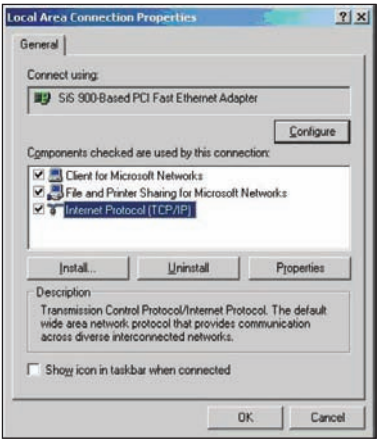


4. Select DNS tab then click **Add** under the **DNS Service Search Order** and key in DNS.

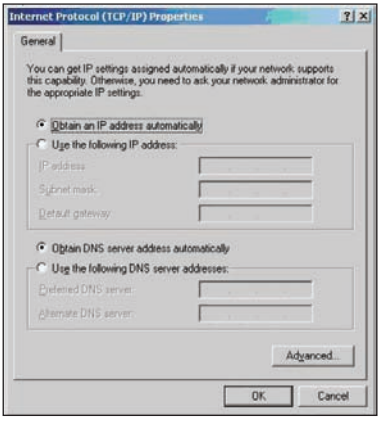


Windows® 2000

1. Click **Start** > **Control Panel** > **Network and Dial-up Connection**. Right-click **Local Area Connection** then click **Properties**.

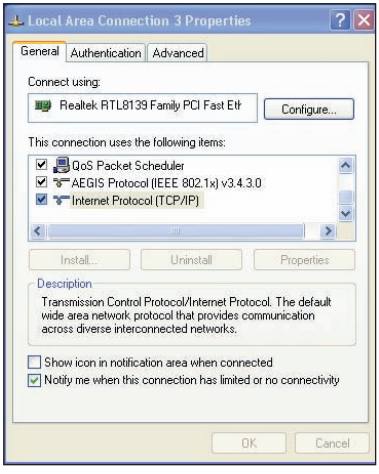


2. Select **Internet Protocol (TCP/IP)**, then click **Properties**.
3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically. Otherwise, select **Use the following IP address**: and key in **IP address**, **Subnet mask**, and **Default gateway**.
4. Select **Obtain an IP address automatically** if you want the DNS server settings to be assigned automatically. Otherwise, select **Use the following DNS server address**: and key in the **Preferred** and **Alternate DNS server**.
5. Click **OK** when done.

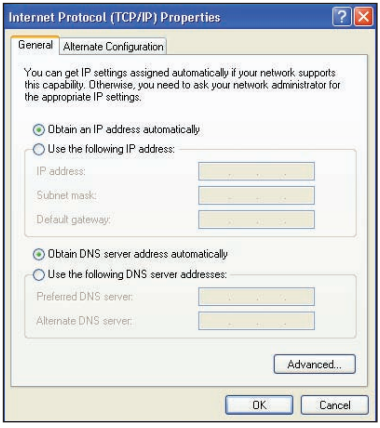


Windows® XP

1. Click **Start** > **Control Panel** > **Network Connection**. Right-click **Local Area Connection** then select Properties.



2. Select **Internet Protocol (TCP/IP)**, then click **Properties**.
3. Select **Obtain an IP address automatically** if you want the IP settings to be assigned automatically. Otherwise, select **Use the following IP address**: and key in **IP address**, **Subnet mask**, and **Default gateway**.
4. Select **Obtain DNS server address automatically** if you want the DNS server settings to be assigned automatically. Otherwise, select **Use the following DNS server addresses**: and key in the **Preferred and Alternate DNS server**.
5. Click **OK** when done.



4 Configuring via the web GUI

Configuring via the web GUI

The router's web graphics user interface (web GUI) allows you to configure the feature: **Setting**.

To configure via the web GUI:

1. After setting up a wired or wireless connection, launch a web browser. The login page is automatically launched.

Note: You may also manually key in the router's default IP address (**192.168.1.1**) to launch the router's web interface.

2. On the login page, key in the default user name (**admin**) and password (**admin**).
3. From the main page, click the navigation menu or links to configure the various features of the ASUS Wireless Router.

Configuring the Setting

This page allows you to configure setting for the router and your network. It enables you to configure the setting for: **Wireless**, **LAN**, **WAN**, **Firewall**, **Administration**, and **System Log**.

To launch the Setting page:

- Click **Setting** from the navigation menu at the left side of your screen.

Upgrading the firmware

Note: Download the latest firmware from the ASUS website at **http://www.asus.com**

To upgrade the firmware:

1. Click **Setting** from the navigation menu at the left side of your screen.
2. Under the **Administration** menu, click **Firmware Upgrade**.
3. In the **New Firmware File** field, click **Browse** to locate the new firmware on your computer.
4. Click **Upload**. The uploading process takes about three minutes.

Note: If the upgrade process fails, the wireless router automatically enters the emergency or failure mode and the power LED indicator at the front panel flashes slowly. To recover or restore the system, use the Firmware Restoration utility. For more details on this utility, refer to the section **Firmware Restoration** in Chapter 5 of this user manual.

Restoring/Saving/Uploading settings

To restore/save/upload the settings:

1. Click **Setting** from the navigation menu at the left side of your screen.
2. Under the **Administration** menu, click **Restore/Save/Upload Setting**.

3. Select the tasks that you want to do:
   - To restore to the default factory settings, click **Restore**, and click **OK** in the confirmation message.
   - To save the current system settings, click **Save**, and click **Save** in the file download window to save the system file in your preferred path.
   - To restore previous system settings, click **Browse** to locate the system file that you want to restore, then click **Upload**.

5 Installing the utilities

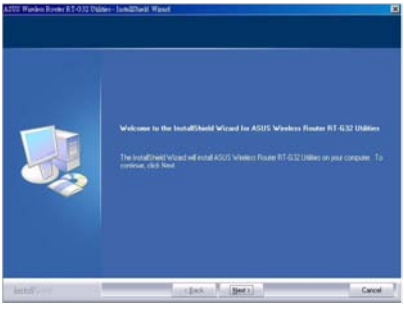
Installing the utilities

The support CD contains the utilities for configuring the ASUS Wireless Router. To install the ASUS WLAN Utilities in Microsoft® Windows, insert the support CD in the CD drive. If Autorun is disabled, run **setup.exe** from the root directory of the support CD.

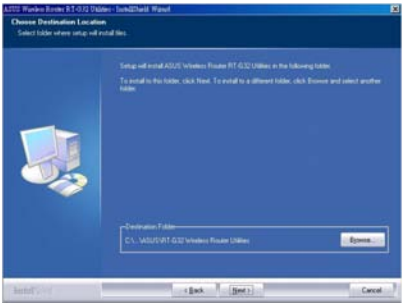
To install the utilities:

1. Click **Install ASUS Wireless Router Utilities**.

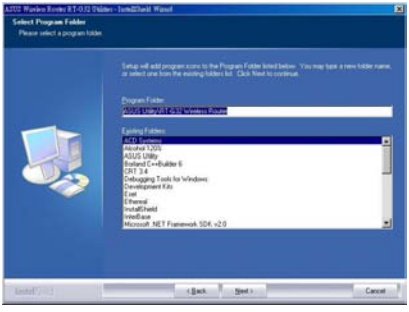
2. Click **Next.**



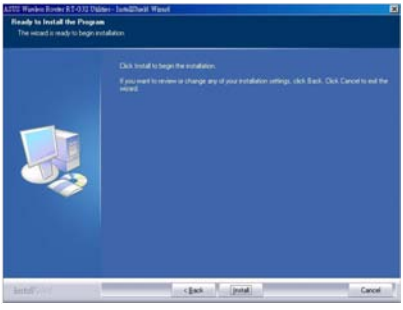
3. Click **Next** to accept the default destination folder or click **Browse** to specify another path.



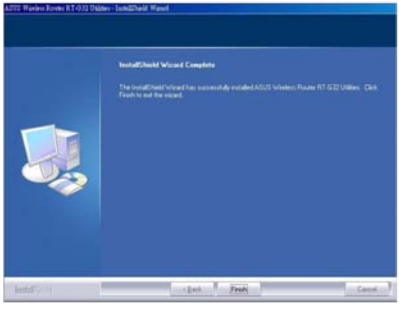
4. Click **Next**.



5. Click **Install** to install the utility.



6. Click **Finish** when setup is complete.

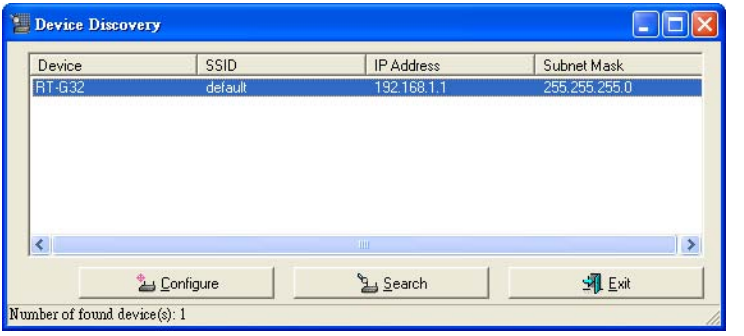


Device Discovery

Device Discovery is an ASUS WLAN utility which detects an ASUS Wireless Router device, and enables you to configure the device.

To launch the Device Discovery utility:

- From your computer's desktop, click **Start > All Programs > ASUS Utility > RT-G32 Wireless Router > Device Discovery**.



Firmware Restoration

Firmware Restoration is a utility that searches for an ASUS Wireless Router that failed during its firmware upgrading process, then restores or re-uploads the firmware that you specify. The process takes about three to four minutes.

DO NOT use this utility unless you encounter abnormal situations such as a corrupt firmware, upgrading failure, or system crash.

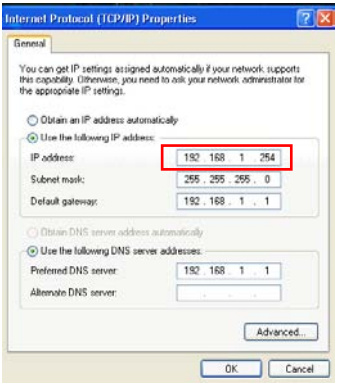
1. Download the latest firmware version and utility from our website at (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Decompress the utility file, then run **Setup.exe**. Click **Next** to finish the installation.

Set IP address manually

Click **Start** > **Control Panel** > **Network Connection**. Right-click **Local Area Connection** then select **Properties**.

Set the IP address manually (192.168.1.254).

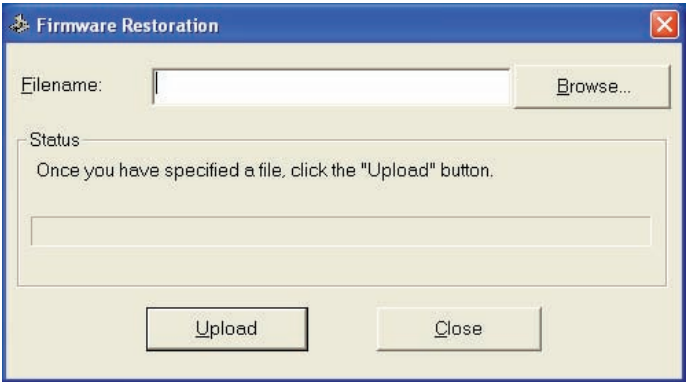
- We suggest you use wired connection and set the IP address manually in order to gain an ideal environment for transmission.
- Make sure firewall on PC is disabled.



3. Power off the wireless router, press and hold the reset button and then power on the device again. The wireless device enters the rescue mode after the WLAN LED flashes.

DO NOT shut down or reset the device while updating the firmware! Doing so can cause system boot failure!

4. From your Windows® desktop, click > **Start** > **All programs** > **ASUS Utility** > **RT-G32 Wireless Router** > **Firmware Restoration**.
5. Click **Browse** to choose the firmware file and then click **Upload**.



6. After uploading the firmware successfully, the device automatically reboots.

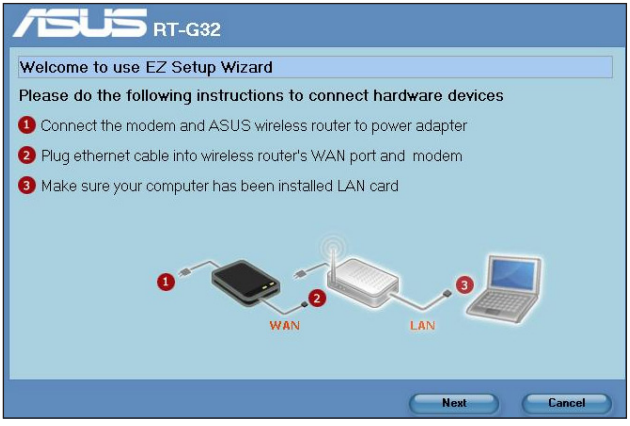
EZSetup

EZSetup is a utility that allows you to easily set up your wireless network

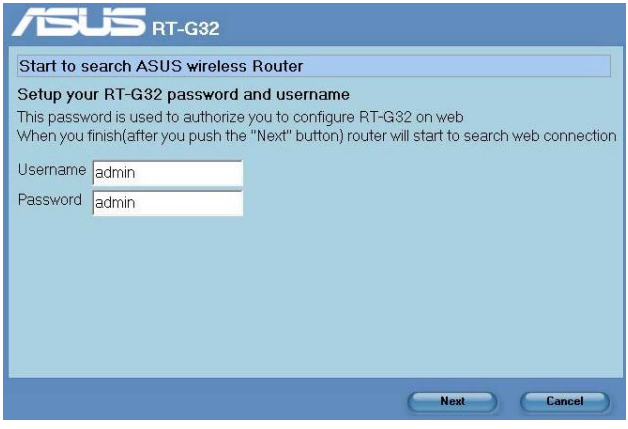
Before you install the EZSetup, ensure that your RT-G32 is connected the modem or PC by RJ45 cable..

To use EZSetup:

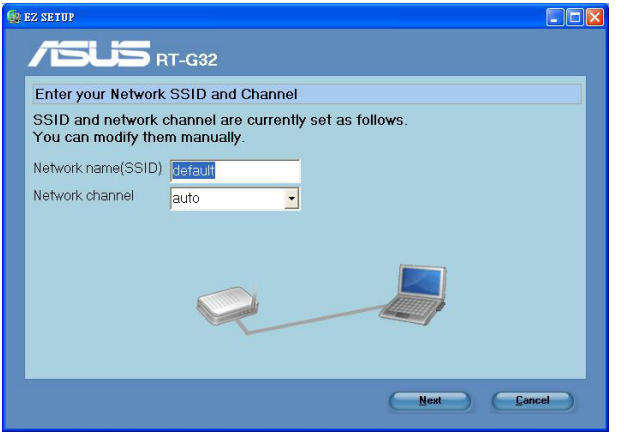
1. Follow the instructions to connect the hardware device. When done, click **Next**.



2. Key in the user name and password to configure the wireless router on the web. When done, click **Next**.



3. After setting up the network SSID and channel are connected, click **Next** to continue.

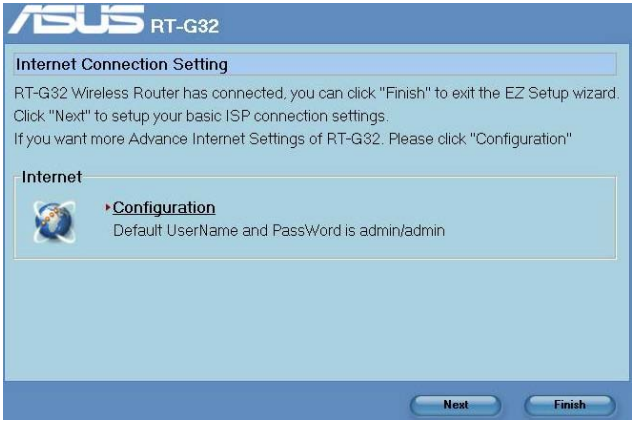


(Connecting)

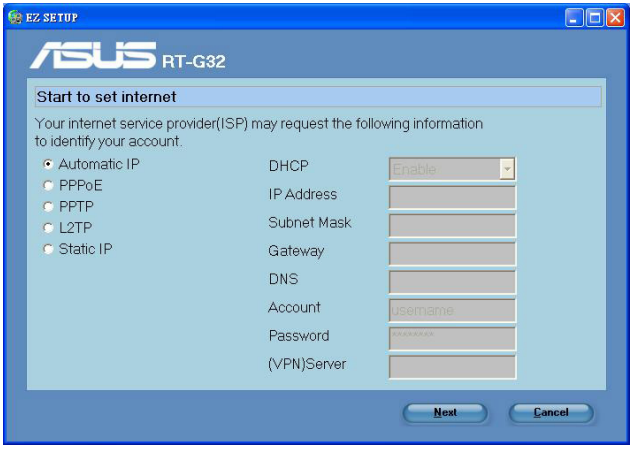
If the connection failed, ensure that the hardware environment is connected appropriate and click **Re-search** to search again.

(Connection failed)

4. Click **Next** to configure the basic ISP connection settings. Click **Finish** to finish the internal networks settings.



5. Select your connection type from these types of ISP services: **Automatic IP**, **PPPoE**, **PPTP**, **L2TP**, and **Static IP**. Key in the necessary information for your ISP connection type. When done, click **Next**.

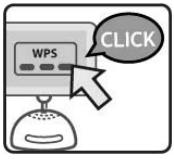


6. When done, click **Finish**.

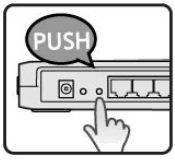
WPS Quick Button Setup

When you connect a PC of wireless adapter (such as ASUS USB-N11 and PCI-G31 adapter) with WPS function, please follow the instructions below to enable the WPS Quick setup.

1. In order to use WPS, ensure that both RT-G32 wireless router and another computer's wireless software WPS function are enabled.



2. Push the WPS button at the rear panel of RT-G32 wireless router.



3. RT-G32 WLAN LED can light up and slow flash after the WPS connection established.

6 Troubleshooting

Troubleshooting

This troubleshooting guide provides solutions to some common problems that you may encounter while installing or using the ASUS Wireless Router. These problems require simple troubleshooting that you can perform by yourself. Contact the ASUS Technical Support if you encounter problems not mentioned in this chapter.

Problem	Action
I cannot access a web browser for configuring the router.	1. Launch a web browser, then click **Tools** > **Internet Options...** 2. Under **Temporary Internet files**, click **Delete Cookies...** and **Delete Files...**
The client cannot establish a wireless connection with the router.	**Out of Range:** • Put the router closer to the wireless client. • Try to change the channel settings. **Authentication:** • Use wired connection to connect to the router. • Check the wireless security settings. • Press the Reset button at the rear panel for more than five seconds. **Cannot find the router:** • Press the Reset button at the rear panel for more than five seconds. • Check the setting in the wireless adapter such as SSID and encryption settings.

Problem	Action
Cannot access the Internet via wireless LAN adapter	• Move the router closer to the wireless client. • Check whether the wireless adapter is connected to the correct wireless router. • Check whether the wireless channel in use conforms to the channels available in your country/ area. • Check the encryption settings. • Check if the ADSL or Cable connection is correct. • Retry using another Ethernet cable.
Internet is not accessible	• Check the status indicators on the ADSL modem and the wireless router. • Check if the WAN LED on the wireless router is ON. If the LED is not ON, change the cable and try again.
When ADSL Modem “Link” light is ON (not blinking), this means Internet Access is impossible.	• Restart your computer. • Refer to the Quick Start Guide of the wireless router and re-configure the settings. • Check if the WAN LED on the wireless router is ON. • Check the wireless encryption settings. • Check if the computer can get the IP address (via both wired network and wireless network). • Ensure that your web browser is configured to use the local LAN, and is not configured to use a proxy server.
If the ADSL “LINK” light blinks continuously or stays off, Internet access is not possible - the Router is unable to establish a connection with the ADSL network.	• Ensure that all your cables are all correctly connected . • Disconnect the power cord from the ADSL or cable modem, wait a few minutes, then reconnect the cord. • If the ADSL light continues to blink or stays OFF, contact your ADSL service provider.

Problem	Action
Network name or encryption keys are forgotten	• Try setting up the wired connection and configuring the wireless encryption again. • Press the Restore button at the rear panel of the wireless router for more than five seconds.
How to restore the system to its default settings	• Press the Restore button at the rear panel of the wireless router for more than five seconds. • Refer to the section **Restoring to the default settings** in Chapter 4 of this user manual. The following are the factory default settings: **User Name:** admin **Password:** admin **Enable DHCP:** Yes (if WAN cable is plugged in) **IP address:** 192.168.1.1 **Domain Name:** (Blank) **Subnet Mask:** 255.255.255.0 **DNS Server 1:** 192.168.1.1 **DNS Server 2:** (Blank) **SSID:** default

Appendices

Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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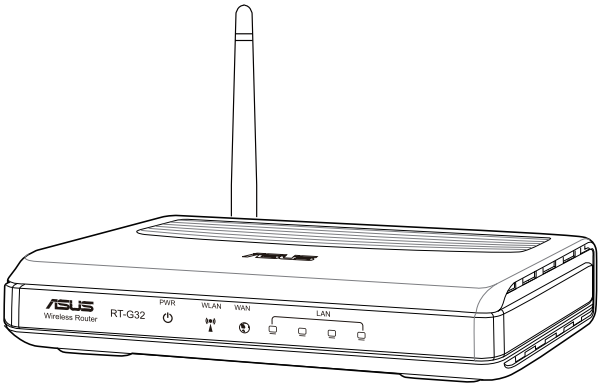
RT-G32
Router sem fios



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Obsah

Obsah

O této příručce

Tato příručka obsahuje potřebné informace pro instalaci a konfiguraci tohoto bezdrátového směrovače ASUS.

Struktura této příručky

Tato příručka obsahuje následující části:

- **Kapitola 1: Seznámení s bezdrátovým směrovačem**
  Tato kapitola obsahuje informace o obsahu krabice, o požadavcích na systém, o funkcích hardwaru a o indikátorech LED bezdrátového směrovače ASUS.

- **Kapitola 2: Nastavení hardwaru**
  Tato kapitola obsahuje pokyny pro instalaci, přístup a konfigurování bezdrátového směrovače ASUS.

- **Kapitola 3: Konfigurování síťových klientů**
  Tato kapitola obsahuje pokyny pro nastavení klientů v síti za účelem spolupráce s bezdrátovým směrovačem ASUS.

- **Kapitola 4: Konfigurování prostřednictvím grafického uživatelského rozhraní (GUI)**

  Tato kapitola obsahuje pokyny pro konfigurování bezdrátového směrovače ASUS prostřednictvím webového grafického uživatelského rozhraní (webové GUI).

- **Kapitola 5: Instalování nástrojů**

  Tato kapitola obsahuje informace o nástrojích, které jsou k dispozici na podpůrném disku CD.

- **Kapitola 6: Odstraňování problémů**

  Tato kapitola obsahuje průvodce odstraňováním běžných problémů, se kterými se můžete setkat při používání bezdrátového směrovače ASUS.

- **Dodatky**

  Tato kapitola obsahuje regulatorní oznámení a bezpečnostní prohlášení.

Konvence používané v této příručce

VAROVÁNÍ: tyto informace varují před nebezpečím zranění během postupu.

UPOZORNĚNÍ: Tyto informace upozorňují na nebezpečí poškození součástí během postupu.

DŮLEŽITÉ: Pokyny, které při provádění úkonu MUSÍTE dodržovat.

POZNÁMKA: tipy a doplňující informace pro snadnější provádění postupu.

1 Seznámení s bezdrátovým směrovačem

Obsah krabice

Zkontrolujte, zda krabice s bezdrátovým směrovačem ASUS obsahuje následující položky.

- ☑ Bezdrátový směrovač RT-G32
- ☑ Napájecí adaptér
- ☑ Podpůrný disk CD (příručka, nástroje)
- ☑ Kabel RJ45
- ☑ Stručná příručka

Poznámka: Pokud je některá z položek poškozena nebo chybí, se obraťte na prodejce.

Požadavky na systém

Před instalací bezdrátového směrovače ASUS zkontrolujte, zda systém/síť splňuje následující požadavky:

- Port Ethernet RJ-45 (10Base-T/100Base-TX)
- Alespoň jedno zařízení IEEE 802.11b/g s možností bezdrátové komunikace
- Nainstalovaný protokol TCP/IP a internetový prohlížeč
- Suporta o Internet Explorer 6.0 ou superior.

Než budete pokračovat

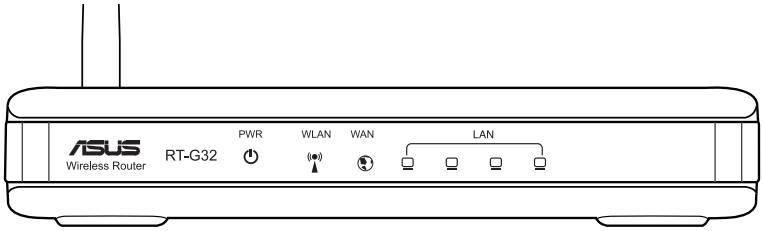
Před instalací bezdrátového směrovače ASUS si přečtěte následující zásady:

- Délka ethernetového kabelu, který připojuje zařízení k síti (rozbočovač, model ADSL/kabelový, směrovač, nástěnná přípojka) nesmí přesáhnout 100 metrů.
- Umístěte zařízení na rovný a stabilní povrch co nejdále od země.
- Udržujte zařízení v bezpečné vzdálenosti od kovových překážek a mimo přímé sluneční záření.
- Udržujte zařízení v bezpečné vzdálenosti od transformátorů, výkonných motorů, fluorescenčního osvětlení, mikrovlnných trub, chladniček a dalšího průmyslového vybavení, aby se zabránilo ztrátě signálu.

- Umístěte zařízení centrálně tak, aby poskytovalo ideální pokrytí všech bezdrátových mobilních zařízení.
- Umístěte zařízení alespoň 20 cm od osoby, aby bylo zajištěno, že je výrobek používán v souladu se směrnicemi pro vystavení lidského organizmu vysokofrekvenčnímu záření přijatými Federálním úřadem pro komunikace FCC.

Hardwarové funkce

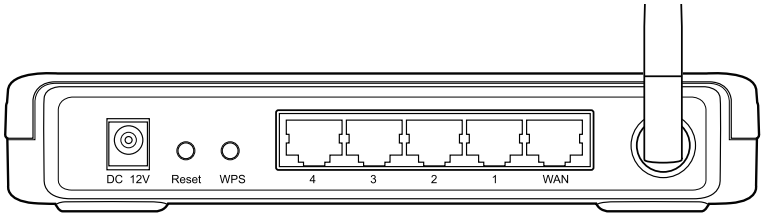
Přední panel



Stavové indikátory

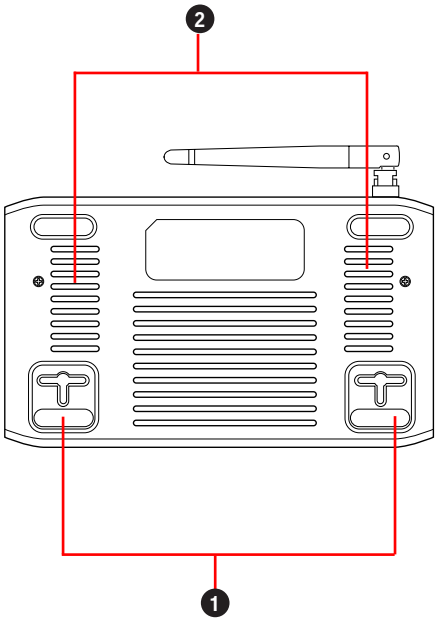
Indikátor LED	Stav	Indikace
⏻ (Napájení)	Vyp.	Žádné napájení
	Zap	Systém připraven
WLAN (bezdrátová síť)	Vyp.	Žádné napájení
	Zap	Bezdrátový systém připraven
	Bliká	Vysílání nebo přijímání dat (prostřednictvím bezdrátového připojení)
LAN 1-4 (místní síť)	Vyp.	Vypnuto nebo žádné fyzické připojení
	Zap	Fyzické připojení k síti Ethernet
	Bliká	Vysílání nebo přijímání dat (prostřednictvím kabelu Ethernet)
Síť WAN (Wide Area Network)	Vyp.	Vypnuto nebo žádné fyzické připojení
	Zap	Fyzické připojení k síti Ethernet
	Bliká	Vysílání nebo přijímání dat (prostřednictvím kabelu Ethernet)

Zadní panel



Označení	Popis
ANTÉNA	Ajuste manualmente a antena para obter uma melhor recepção do sinal
WPS	Prima este botão para iniciar a funcionalidade WPS (Wi-Fi Protected Setup)
OBNOVIT	Prima durante três segundos para restaurar as definições de fábrica
WAN	Připojením kabelu RJ-45 Ethernet k tomuto portu vytvoříte připojení WAN.
LAN1-LAN4	Připojením kabelů RJ-45 Ethernet k těmto portům vytvoříte připojení LAN.
DC 12V	Insira o transformador DC nesta porta para ligar o seu router a uma fonte de alimentação.

Spodní panel



Položka	Popis
1	**Montážní otvory** Tyto montážní otvory slouží k montáži směrovače na betonový nebo dřevěný povrch pomocí dvou šroubků s kulatou hlavou.
2	**Vzduchové průduchy** Tyto větrací otvory zajišťují větrání směrovače.

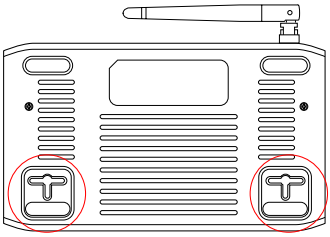
Poznámka: Podrobné pokyny pro montáž směrovače na stěnu nebo na strop viz část **Mounting options (Možnosti montáže)** na další stránce této uživatelské příručky.

Možnosti montáže

Bezdrátový směrovač ASUS RT-G32, který je po vybalení připraven ihned k používání, je určen pro umístění na zvýšené rovné ploše, například na kartotéce nebo na poličce. Zařízení lze rovněž upravit pro montáž na stěnu nebo na strop.

Montáž zařízení ASUS RT-G32:

1. Vyhledejte dva montážní otvory na spodní straně.
2. Přeneste dva horní otvory na stěnu nebo na zvýšenou rovnou plochu.
3. Zašroubujte dva šrouby tak, aby vyčnívaly pouze 0,5 cm nad povrch.
4. Nasaďte otvory zařízení ASUS RT-G32 na šrouby.



Poznámka: Pokud nelze bezdrátový směrovač ASUS zajistit na šrouby nebo pokud jsou šrouby příliš utažené, upravte je.

2 Nastavení hardwaru

Konfigurace bezdrátového směrovače

Tento bezdrátový směrovač ASUS lze se správnou konfigurací použít pro celou řadu aplikací. Pravděpodobně bude třeba změnit výchozí nastavení bezdrátového směrovače tak, aby splňovala požadavky vašeho bezdrátového prostředí. Rovněž nabízí EZSetup, nástroj, který umožňuje snadno nakonfigurovat zabezpečenou bezdrátovou síť.

Poznámky:

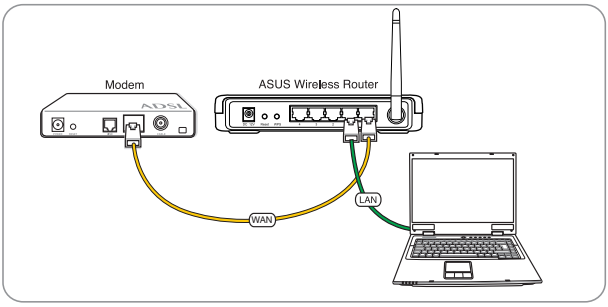
- Další podrobnosti o nástroji EZSetup viz část **EZSetup** v Kapitole 5 této uživatelské příručky.

Vytvoření pevného připojení

V krabici s bezdrátovým směrovačem ASUS je dodáván ethernetový kabel. Tento bezdrátový směrovač je vybaven integrovanou funkcí automatického křížení, takže pro pevné připojení použijte buď přímý nebo křížový kabel.

Pokyny pro vytvoření pevného připojení:

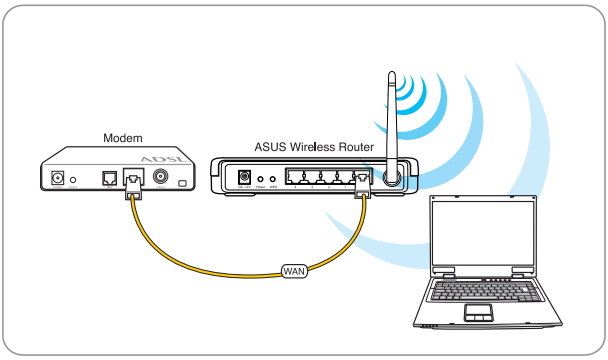
1. Zapněte směrovač a modem.
2. Pomocí ethernetového kabelu připojte port WAN směrovače k modemu.
3. Pomocí dalšího ethernetového kabelu připojte port LAN směrovače k portu LAN počítače.



Vytvoření bezdrátového připojení

Pokyny pro vytvoření bezdrátového připojení:

1. Zapněte směrovač a modem.
2. Pomocí ethernetového kabelu připojte modem k portu WAN směrovače.
3. Připojte kartu WLAN kompatibilní se standardem IEEE 802.11b/g. Pokyny pro bezdrátové připojení viz uživatelská příručka k bezdrátovému adaptéru. Ve výchozí konfiguraci je síťový název SSID bezdrátového směrovače ASUS „default“ (malými písmeny), šifrování je deaktivováno a používá se otevřené systémové ověřování.



Konfigurování bezdrátového směrovače

Tento bezdrátový směrovač ASUS je vybaven webovým grafickým uživatelským rozhraním (webové GUI), které umožňuje konfigurovat bezdrátový směrovač prostřednictvím webového prohlížeče ve vašem počítači.

Používání webového rozhraní GUI

Pokud je počítač připojen ke směrovači pomocí kabelu, po spuštění webového prohlížeče se automaticky zobrazí stránka pro přihlášení k webového rozhraní GUI směrovače.

Pokud se počítač připojuje ke směrovači bezdrátově, musíte nejdříve vybrat síť.

Pokyny pro výběr sítě:

1. Klepněte na tlačítko **Start > Control Panel (Ovládací panely) > Network Connections (Síťová připojení) > Wireless Network Connection (Bezdrátové připojení k síti)**.

2. Vyberte síť v okně **Choose a wireless network (Výběr bezdrátové sítě)**. Počkejte na dokončení připojení k síti.

Poznámka: Ve výchozí konfiguraci je síťový název **SSID** bezdrátového směrovače default. Připojte se k tomuto výchozímu síťového názvu SSID.

3. Po vytvoření bezdrátového připojení spusťte webový prohlížeč.

Poznámky:

- Můžete rovněž ručně zadat výchozí adresu IP směrovače (**192.168.1.1**) pro spuštění webového rozhraní směrovače.
- Další podrobnosti o konfigurování bezdrátového směrovače pomocí webového rozhraní GUI viz **Chapter 4: Configuring via the web GUI (Kapitola 4: Konfigurování prostřednictvím webového rozhraní GUI)**.

3 Konfigurování síťových klientů

Přístup k bezdrátovému směrovači

Nastavení adresy IP pro klienta s pevným nebo bezdrátovým připojením

Aby bylo možné přistupovat k bezdrátovému směrovači ASUS, musíte mít k dispozici správná nastavení TCP/IP na klientech s pevným nebo bezdrátovým připojením. Adresy IP klientů se musí nacházet v rámci stejné podsítě, jako bezdrátový směrovač ASUS.

Ve výchozí konfiguraci je bezdrátový směrovač ASUS vybaven funkcí serveru DHCP, který automaticky přiřazuje adresy IP klientům v síti.

Nicméně v některých případech můžete chtít ručně přidělovat statické adresy IP některým klientům nebo počítačům v síti a nezískávat adresy IP automaticky pro bezdrátový směrovač.

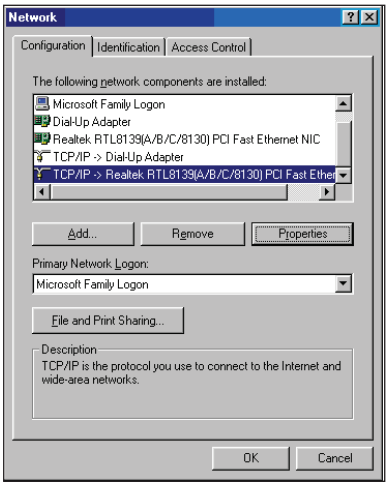
Postupujte podle pokynů níže, které odpovídají operačnímu systému nainstalovanému v klientovi nebo v počítači.

Poznámka: Chcete-li ručně přidělit adresu IP klientovi, doporučujeme použít následující nastavení:

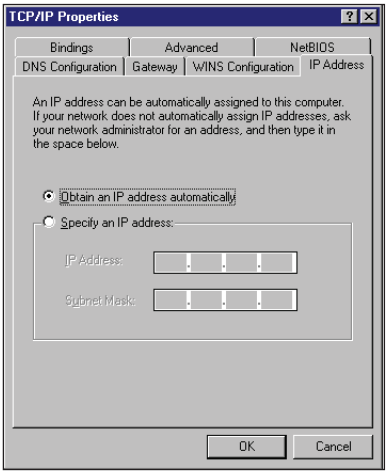
- **Adresa IP:** 192.168.1.xxx (xxx může být libovolné číslo od 2 do 254. Adresu IP nesmí používat jiné zařízení)
- **Maska podsítě:** 255.255.255.0 (stejné jako bezdrátový směrovač ASUS)
- **Brána:** 192.168.1.1 (adresa IP bezdrátového směrovače ASUS)
- **DNS:** 192.168.1.1 (bezdrátový směrovač ASUS) nebo přiřaďte známý server DNS ve vaší síti

Windows® 9x/ME

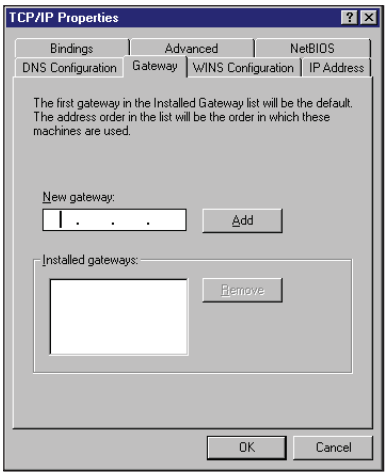
1. Klepnutím na **Start > Control Panel (Ovládací panely) > Network (Síť)** zobrazte okno **Network setup (Nastavení sítě)**.
2. Vyberte TCP/IP a potom klepněte na **Properties (Vlastnosti)**.



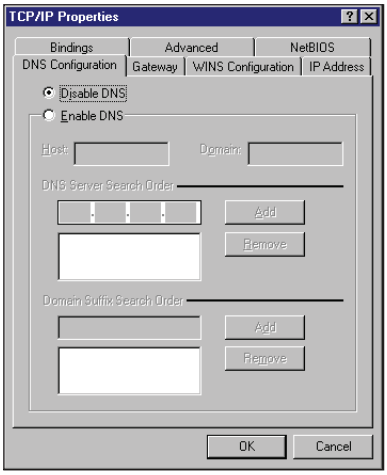
3. Chcete-li, aby počítač získal adresu IP automaticky, klepněte na možnost **Obtain an IP address automatically (Získat adresu IP automaticky)** a potom klepněte na tlačítko **OK**. Jinak klepněte na možnost **Specify an IP address (Zadat adresu IP)** a potom zadejte **IP address (Adresa IP) a Subnet Mask (Maska podsítě)**.



4. Vyberte kartu **Gateway (Brána)**, zadejte **New gateway (Nová brána)** a potom klepněte na **Add (Přidat)**.

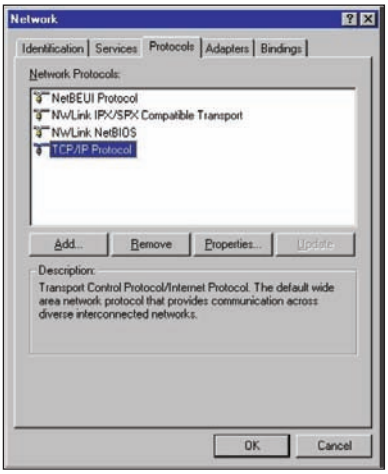


5. Vyberte kartu **DNS configuration (Konfigurace DNS)** a potom klepněte na **Enable DNS (Povolit DNS)**. Zadejte **Host (Hostitel)**, **Domain (Doména)** a **DNS Server Search Order (Pořadí hledání serveru DNS)** a potom klepněte na tlačítko **Add (Přidat)**.
6. Klepněte na **OK**.

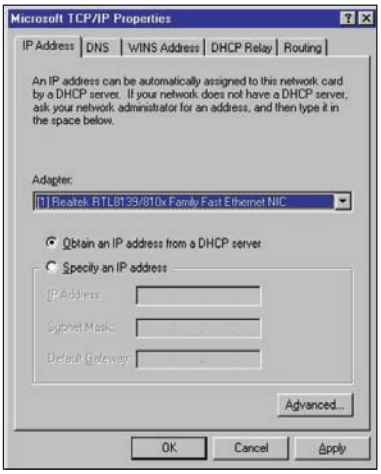


Windows® NT4.0

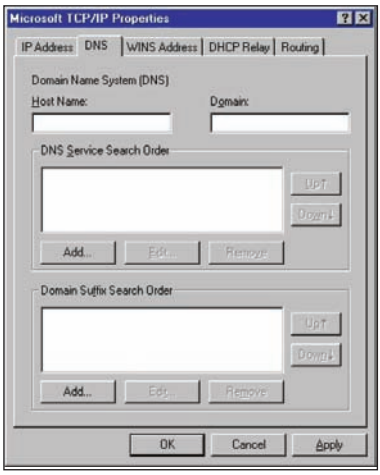
1. Klepnutím na **Control Panel (Ovládací panely)** > **Network (Síť)** zobrazte okno Network setup (Nastavení sítě) a potom vyberte kartu **Protocols (Protokoly)**.
2. V seznamu Network Protocols (Síťové protokoly) vyberte položku **TCP/IP Protocol** (**Protokol TCP/IP)** a potom klepněte na **Properties (Vlastnosti)**.



3. Na kartě **IP Address (Adresa IP)** okna **Microsoft TCP/IP Properties (Vlastnosti protokolu TCP/IP)** lze:
   - Vyberte typ síťového adaptéru nainstalovaného ve vašem systému.
   - Nastavte směrovač na přidělování adres IP automaticky.
   - Ručně nastavte adresu IP, masku podsítě a výchozí bránu.

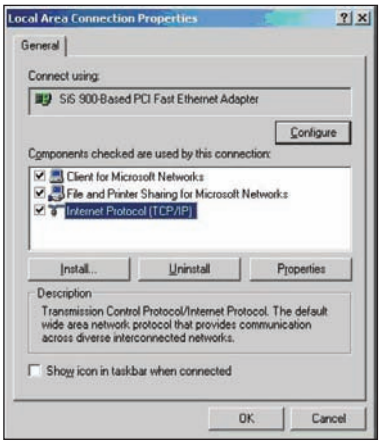


4. Vyberte kartu DNS, klepněte na tlačítko **Add (Přidat) v části DNS Service Search Order (Pořadí hledání serveru DNS)** a zadejte DNS.

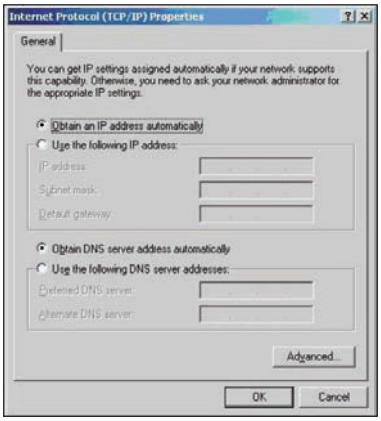


Windows® 2000

1. Klepněte na **Start > Control Panel (Ovládací panely) > Network and Dial-up Connection (Síťová a telefonická připojení)**. Klepněte pravým tlačítkem myši na **Local Area Connection (Připojení k místní síti)** a potom klepněte na **Properties (Vlastnosti)**.

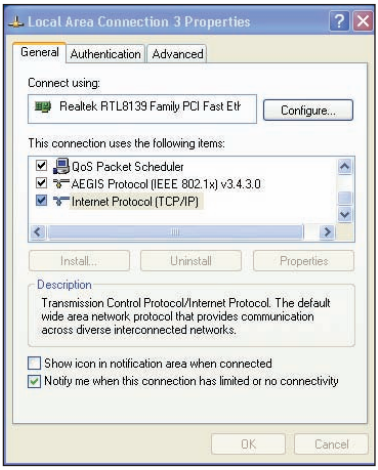


2. Vyberte **Internet Protocol (Internetový protokol) (TCP/IP)** a potom klepněte na **Properties (Vlastnosti)**.
3. Chcete-li, aby byla nastavení IP přiřazována automaticky, vyberte **Obtain an IP address automatically (Získat adresu IP automaticky)**. Jinak vyberte **Use the following IP address (Použít následující adrwsu IP)**: a zadejte **IP address (Adresa IP)**, **Subnet mask (Maska podsítě)** a **Default gateway (Výchozí brána)**.
4. Chcete-li, aby byla nastavení serveru DNS přiřazována automaticky, vyberte **Obtain an IP address automatically (Získat adresu IP automaticky)**. Jinak vyberte **Use the following DNS server address (Použít následující adresu serveru DNS):** a zadejte **Preferred (Upřednostňovaný)** a **Alternate DNS server (Náhradní server DNS).**
5. Po dokončení klepněte na **OK**.

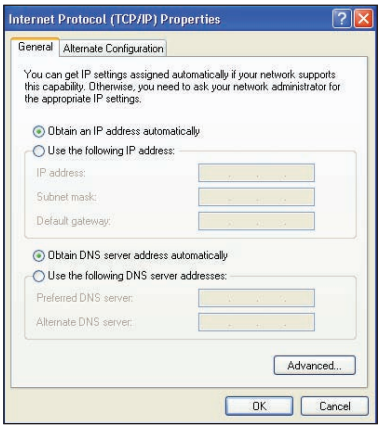


Windows® XP

1. Klepněte na **Start > Control Panel (Ovládací panely) > Network Connection (Připojení k síti)**. Klepněte pravým tlačítkem myši na Local Area Connection (Připojení k místní síti) a potom vyberte **Properties (Vlastnosti)**.



2. Vyberte **Internet Protocol (Internetový protokol) (TCP/IP)** a potom klepněte na **Properties (Vlastnosti)**.
3. Chcete-li, aby byla nastavení IP přiřazována automaticky, vyberte **Obtain an IP address automatically (Získat adresu IP automaticky)**. Jinak vyberte Use the following IP address: a zadejte **IP address (Adresa IP)**, **Subnet mask (Maska podsítě) a Default gateway (Výchozí brána)**.
4. Chcete-li, aby byla nastavení serveru DNS přiřazována automaticky, vyberte **Obtain DNS server address automatically (Získat adresu serveru DNS automaticky)**. Jinak vyberte **Use the following DNS server addresses (Použít následující adresy serveru DNS):** a zadejte **Preferred and Alternate DNS server (Upřednostňovaný a náhradní server DNS)**.
5. Po dokončení klepněte na **OK**.



4 Konfigurování prostřednictvím webového rozhraní GUI

Konfigurování prostřednictvím webového rozhraní GUI

Webové grafické uživatelské rozhraní směrovače (webové GUI) umožňuje konfigurovat následující funkce: **Settings (Definições)**.

Pokyny pro konfigurování prostřednictvím webového rozhraní GUI:

1. Po vytvoření pevného nebo bezdrátového připojení spusťte webový prohlížeč. Automaticky se zobrazí stránka pro přihlášení.

Poznámka: Webové rozhraní směrovače můžete rovněž spustit ručním zadáním výchozí adresy IP směrovače (**192.168.1.1**).

2. Na stránce pro přihlášení zadejte výchozí uživatelské jméno (**admin**) a heslo (**admin**).
3. Klepnutím na nabídku navigace nebo odkazy na hlavní stránce nakonfigurujte různé funkce bezdrátového směrovače ASUS.

Configurar as Definições

Esta página permite-lhe configurar as definições do router e da rede. Poderá configurar as definições para: Wireless (Ligação sem fios), LAN (Rede local), WAN, Firewall, Administration (Administração), e System Log (Registo do sistema).

Para iniciar a página de Definições:

- Clique em **Setting (Definições)** no menu de navegação do lado esquerdo do ecrã.

Upgradování firmwaru

Poznámka: Stáhněte nejaktuálnější firmware z webu společnosti ASUS na adrese http://www.asus.com

Pokyny pro upgradování firmwaru:

1. Klepněte na **Setting (Definições)** v navigační nabídce na levé straně obrazovky.
2. V nabídce **Administration (Správa)** klepněte na **Firmware Upgrade (Upgrade firmwaru)**.
3. V poli New **Firmware File (Soubor nového firmwaru)** klepnutím na **Browse (Procházet)** vyhledejte nový firmware v počítači.
4. Klepněte na **Upload (Odeslat)**. Proces odesílání trvá přibližně tři minuty.

Poznámka: Dojde-li při procesu upgradování k chybě, bezdrátový směrovač přejde automaticky do nouzového nebo chybového režimu a indikátor LED napájení na předním panelu pomalu bliká. Chcete-li systém obnovit, použijte nástroj Firmware Restoration (Obnova firmwaru). Další podrobnosti o tomto nástroji viz část **Firmware Restoration (Obnova firmwaru)** v Kapitole 5 této uživatelské příručky.

Obnovení/uložení/odeslání nastavení

Pokyny pro obnovení/uložení/odeslání nastavení:

1. Klepněte na **Setting (Definições)** v navigační nabídce na levé straně obrazovky.
2. V nabídce **Administration (Správa)** klepněte na **Restore/Save/Upload Setting (Nastavení obnovení/ukládání/odesílání)**.

3. Vyberte úlohy, které chcete provést:
   - Chcete-li obnovit výchozí tovární nastavení, klepněte na **Restore (Obnovit)** a potom klepněte na tlačítko **OK** v potvrzovací zprávě.
   - Chcete-li uložit aktuální systémová nastavení, klepněte na **Save (Uložit)** a klepnutím na **Save (Uložit)** v okně stažení souboru uložte systémový soubor do upřednostňovaného umístění.
   - Chcete-li obnovit předchozí systémová nastavení, klepnutím na **Browse (Procházet)** vyhledejte systémový soubor, který chcete obnovit, a potom klepněte na **Upload (Odeslat)**.

Instalování nástrojů 5

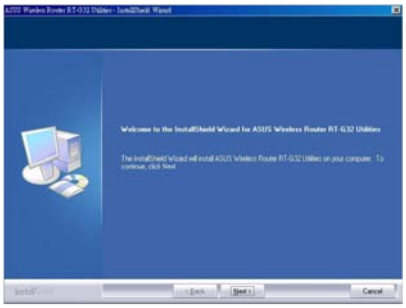
Instalování nástrojů

Podpůrný disk CD obsahuje nástroje pro konfigurování bezdrátového směrovače ASUS. Chcete-li nainstalovat nástroje ASUS WLAN v operačním systému Microsoft® Windows, vložte podpůrný disk CD do jednotky CD. Není-li aktivována funkce automatického spuštění, spusťte soubor setup.exe v kořenovém adresáři podpůrného disku CD.

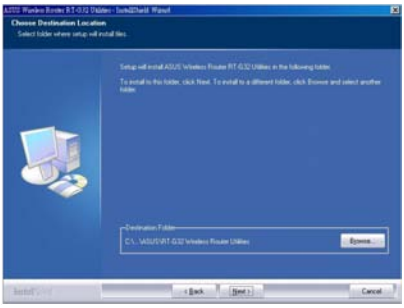
Instalace nástrojů:

1. Clique em **Install ASUS Wireless Router Utilities (Instalar utilitários do router ASUS sem fios)**.

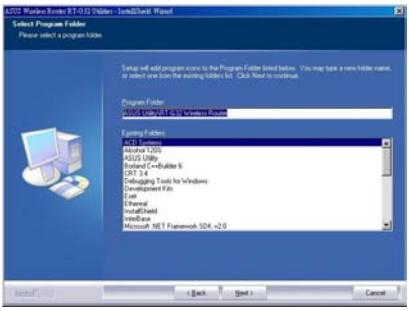
2. Klepněte na tlačítko **Next (Další)**.



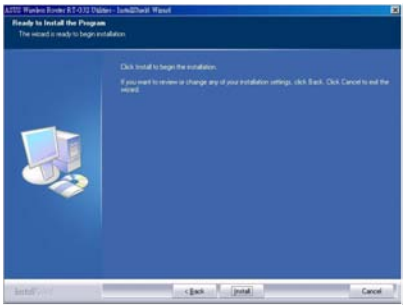
3. Klepnutím na tlačítko **Next (Další)** přijměte výchozí cílovou složku nebo klepněte na tlačítko **Browse (Procházet)** a zadejte jiné umístění.



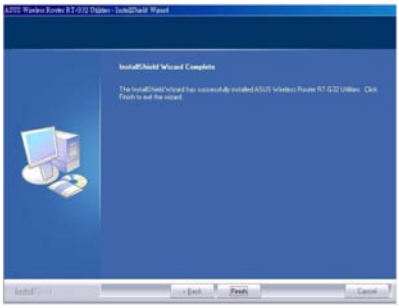
4. Clique em **Next (Seguinte)**.



5. Clique em **Install (Instalar)** para instalar o utilitário.



6. Po dokončení instalace klepněte na tlačítko **Finish (Dokončit)**.

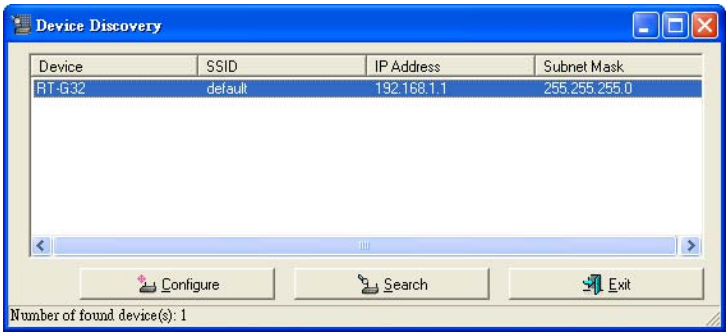


Vyhledání zařízení

Device Discovery (Vyhledání zařízení) je nástroj ASUS WLAN, který rozpoznává bezdrátový směrovač ASUS a umožňuje jej nakonfigurovat.

Pokyny pro spuštění nástroje Device Discovery (Vyhledání zařízení):

- Na pracovní ploše počítače klepněte na **Start > All Programs (Všechny programy) > ASUS Utility (Nástroj ASUS) > RT-G32 Wireless Router (Router sem fios RT-G32) > Device Discovery (Vyhledání zařízení)**.



Obnova firmwaru

Firmware Restoration (Obnova firmwaru) je nástroj, který vyhledá bezdrátový směrovač ASUS, který selhal během aktualizace svého firmwaru, a potom obnoví nebo znovu načte určený firmware. Tento proces trvá přibližně tři až čtyři minuty.

NÃO utilize este utilitário a menos que encontre situações anormais, tais como firmware danificado, falha de actualização ou de sistema.

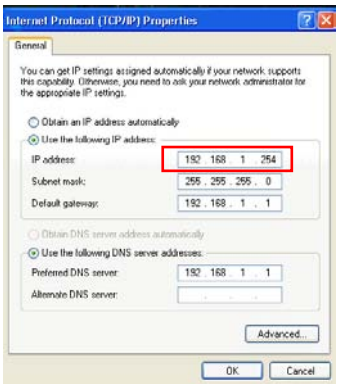
1. Transfira as versões mais recentes do firmware e do utilitário a partir do nosso Web site (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Descomprima o ficheiro do utilitário, depois execute o ficheiro **Setup.exe.** Clique em **Next (Seguinte)** para concluir a instalação.

Definir manualmente o endereço IP

Clique em **Start (Iniciar) > Control Panel (Painel de controlo) >Network Connection (Ligações de rede)**. Clique com o botão direito do rato em **Local Area Connection (Ligação de área local)** e seleccione **Properties (Propriedades)**.

Defina manualmente o endereço IP (192.168.1.254).

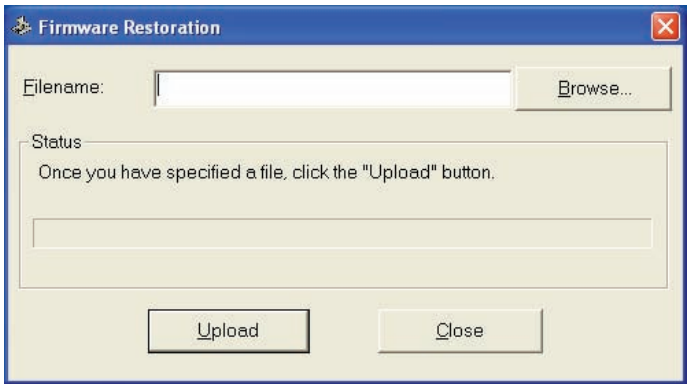
- Sugerimos que utilize a ligação com fios e defina manualmente o endereço IP para obter um ambiente de transmissão ideal.
- Certifique-se que a firewall do PC está desactivada.



3. Desligue o router sem fios, prima e mantenha premido o botão **reset (reiniciar)** e ligue novamente o dispositivo. O dispositivo sem fios entrará em modo de recuperação quando o LED WLAN piscar.

NÃO desligue ou reinicie o dispositivo durante a actualização do firmware! Se o fizer poderá provocar falhas no arranque do sistema.

4. A partir do ambiente de trabalho do Windows® , clique em **Start (Iniciar) > All programs (Todos os programas) > ASUS Utility (Utilitário ASUS) > RT-G32 Wireless Router (Router sem fios RT-G32) > Firmware Restoration (Restauro do firmware)**.
5. Clique em **Browse (Procurar)** para seleccionar o ficheiro de firmware e depois clique em **Upload (Enviar)**.



6. Depois do envio com êxito do firmware, o dispositivo reiniciará automaticamente.

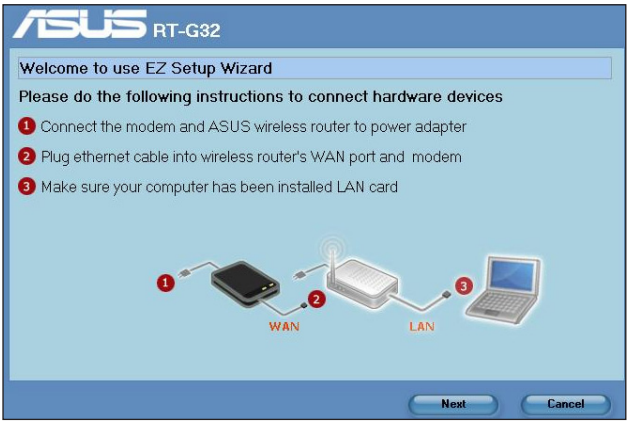
EZSetup

O EZSetup é um utilitário que lhe permite configurar facilmente a sua rede sem fios

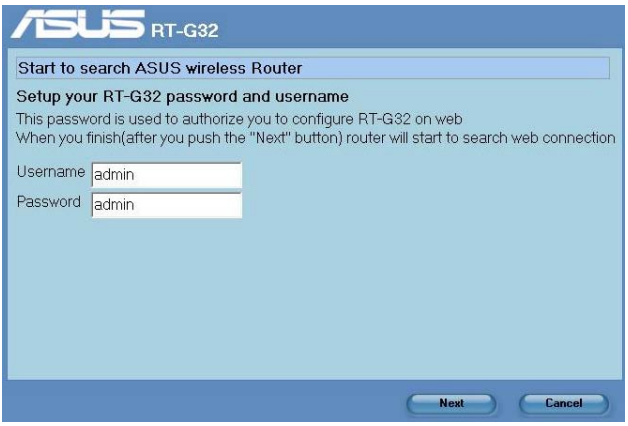
Antes de instalar o EZSetup, certifique-se que o RT-G32 está ligado ao modem ou ao PC por um cabo RJ45.

Pokyny pro používání nástroje EZSetup:

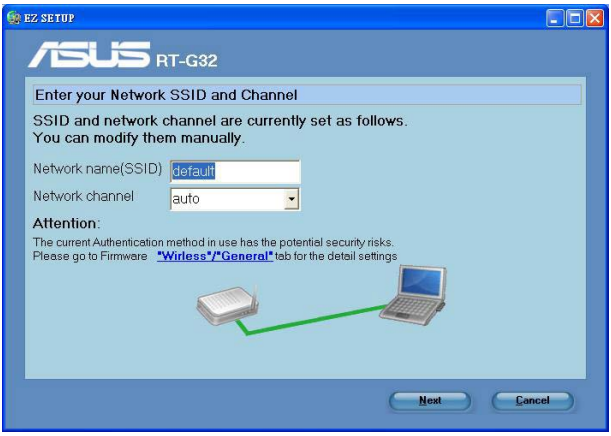
1. Siga as instruções para ligar o dispositivo de hardware. Po dokončení klepněte na tlačítko **Next (Další)**.



2. Introduza o nome de utilizador e a palavra-passe para configurar o router sem fios na Web. Po dokončení klepněte na tlačítko **Next (Další)**.

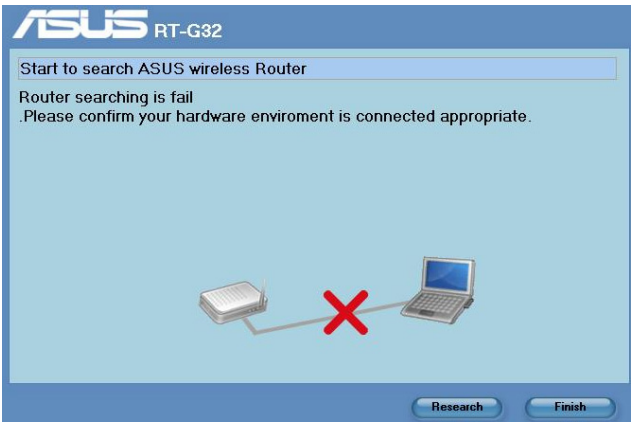


3. Depois de configurar o nome de rede SSID e o canal, clique em **Next (Seguinte)** para continuar.



(A ligar)

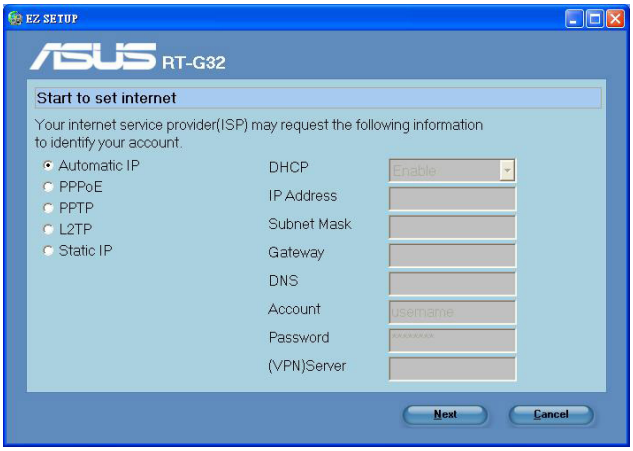
Se a ligação falhar, certifique-se que o hardware está devidamente ligado e clique em **Re-search (Procurar novamente)** para procurar novamente.



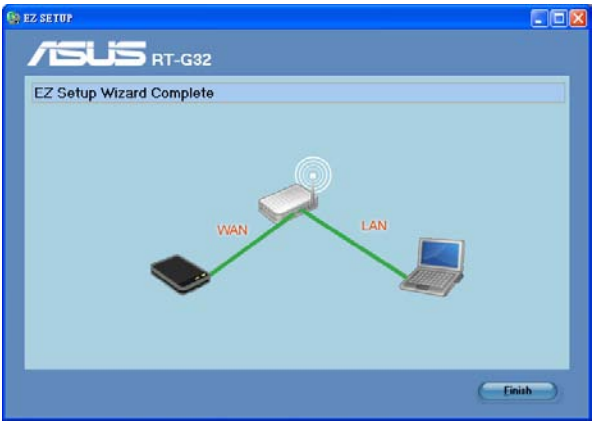
(A ligação falhou)

4. Clique em **Next (Seguinte)** para configurar as definições de ligação básicas do ISP. Clique em **Finish (Concluir)** para terminar as definições das redes internas.

5. Seleccione o seu tipo de ligação a partir dos seguintes tipos de serviços de ISP: **Automatic IP (IP automático), PPPoE, PPTP, L2TP, e Static IP (IP estático)**. Introduza as informações necessárias para o tipo de ligação do seu ISP. Quando terminar, clique em **Next (Seguinte)**.



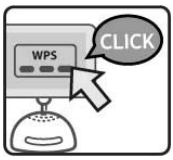
6. Quando terminar, clique em **Finish (Concluir)**.



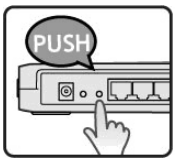
Tlačítko rychlého nastavení WPS

Při připojování počítače s bezdrátovým adaptérem (například s adaptérem ASUS USB-N11 a PCI-G31) s funkcí WPS, podle následujících pokynů aktivujte rychlé nastavení WPS.

1. Aby bylo možné WPS používat, musí být aktivována softwarové funkce WPS bezdrátového směrovače RT-G32 a dalšího počítače.



2. Stiskněte tlačítko WPS na zadním panelu bezdrátového směrovače RT-G32.



3. Po navázání spojení WPS se může indikátor LED WLAN směrovače RT-G32 WLAN LED rozsvítit a pomalu blikat.

Odstraňování problémů 6

Odstraňování problémů

Tento průvodce odstraňováním problémů poskytuje řešení některých běžných problémů, se kterými se můžete setkat při instalaci nebo používání bezdrátového směrovače ASUS. Tyto problémy můžete snadno odstranit vlastními silami. Setkáte-li se s problémy, které nejsou v této kapitole uvedeny, obraťte se na odbornou pomoc společnosti ASUS.

Problém	Akce
Nelze získat přístup k webovému prohlížeči pro konfiguraci směrovače.	1. Spusťte webový prohlížeč a potom klepněte na **Tools (Nástroje)** > **Internet Options... (Možnosti Internetu...)** 2. V části **Temporary Internet fines (Dočasné soubory Internetu)** klepněte na **Delete Cookies... (Vymazat soubory cookie...)** a **Delete Files... (Odstranit soubory...)**
Klient nemůže navázat bezdrátové připojení ke směrovači.	**Mimo dosah:** • Umístěte směrovač blíže k bezdrátovému klientovi. • Zkuste změnit nastavení kanálu. **Autentifikace:** • Připojte se ke směrovači pomocí kabelu. • Zkontrolujte nastavení bezdrátového zabezpečení. • Stiskněte a podržte tlačítko Restore (Obnovit) na zadním panelu déle než pět sekund. **Směrovač nelze nalézt:** • Stiskněte a podržte tlačítko Restore (Obnovit) na zadním panelu déle než pět sekund. • Zkontrolujte nastavení v bezdrátovém adaptéru, například SSID a nastavení šifrování.

Problém	Akce
Nelze přistupovat k Internetu prostřednictvím bezdrátového síťového adaptéru LAN	• Přemístěte směrovač blíže k bezdrátovému klientovi. • Zkontrolujte, zda je bezdrátový adaptér připojen k správnému bezdrátovému směrovači. • Zkontrolujte, zda používaný bezdrátový kanál vyhovuje kanálům dostupným ve vaší zemi/oblasti. • Zkontrolujte nastavení šifrování. • Zkontrolujte, zda je připojení ADSL nebo kabelové připojení správné. • Zkuste použít jiný ethernetový kabel.
Nelze přistupovat k Internetu	• Zkontrolujte stavové indikátory na modemu ADSL a bezdrátovém směrovači. • Zkontrolujte, zda indikátor WAN LED na bezdrátovém směrovači SVÍTÍ. Pokud indikátor LED NESVÍTÍ, vyměňte kabel a akci zopakujte.
Když indikátor „Link“ modemu ADSL SVÍTÍ (nebliká), znamená to, že lze přistupovat k Internetu.	• Restartujte počítač. • Překonfigurujte nastavení podle Stručného návodu k obsluze bezdrátového směrovače. • Zkontrolujte, zda indikátor WAN LED na bezdrátovém směrovači SVÍTÍ. • Zkontrolujte nastavení bezdrátového šifrování. • Zkontrolujte, zda počítač může získat adresu IP (prostřednictvím pevné i bezdrátové sítě). • Zkontrolujte, zda je váš webový prohlížeč nakonfigurován pro používání místní sítě LAN a zda není nakonfigurován pro používání serveru proxy.

Problém	Akce
Pokud indikátor ADSL „LINK“ souvisle bliká nebo nesvítí, nelze přistupovat k Internetu – směrovač nemůže navázat připojení se sítí ADSL.	• Zkontrolujte, zda jsou všechny kabely správně připojené. • Odpojte napájecí kabel od modemu ADSL nebo kabelového modemu, několik minut počkejte a potom kabel znovu připojte. • Pokud indikátor ADSL nadále bliká nebo NESVÍTÍ, obraťte se na vašeho poskytovatele služeb ADSL.
Zapomenutý název sítě nebo šifrovací klíče	• Zkuste znovu nakonfigurovat pevné připojení a bezdrátové šifrování. • Stiskněte a podržte tlačítko Restore (Obnovit) na zadním panelu bezdrátového směrovače déle než pět sekund.
Pokyny pro obnovení výchozích nastavení systému	• Stiskněte a podržte tlačítko Restore (Obnovit) na zadním panelu bezdrátového směrovače déle než pět sekund. • Viz část Firmware Restoration (Obnova firmwaru) v Kapitole 5 této uživatelské příručky. Mezi výchozí tovární nastavení patří: **Uživatelské jméno:** admin **Heslo:** admin **Povolit DHCP:** Yes (Ano) (pokud je připojen kabel WAN) **Adresa IP:** 192.168.1.1 **Název domény:** (Prázdné) **Maska podsítě:** 255.255.255.0 **Server DNS 1:** 192.168.1.1 **Server DNS 2:** (Prázdné) **SSID:** default

Poznámky

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Version 2, June 1991

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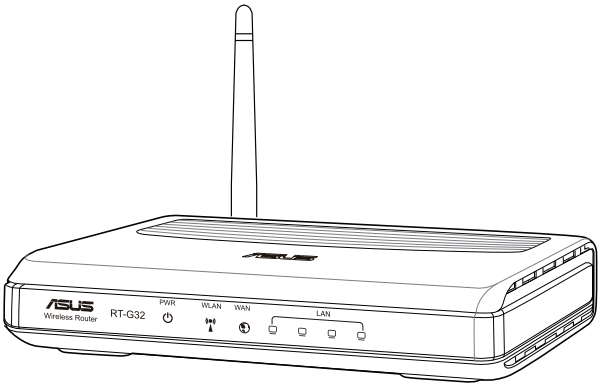
RT-G32
Draadloze Router



Gebruikershandleiding

Du4264
Eerste editie
November 2008

Inhoudsopgave

Inhoudsopgave

Over deze gids

Deze gebruikershandleiding bevat de informatie die u nodig hebt om de draadloze router van ASUS te installeren en te configureren.

Indeling van deze handleiding

Deze handleiding bevat de volgende onderdelen:

- **Hoofdstuk 1: Kennismaken met uw draadloze router**

  Dit hoofdstuk biedt informatie over de inhoud van de verpakking, de systeemvereisten, de hardwarefuncties en LED-indicators van de draadloze router van ASUS.

- **Hoofdstuk 2: De hardware instellen**

  Dit hoofdstuk biedt instructies over de instelling, toegang en configuratie van de draadloze router van ASUS.

- **Hoofdstuk 3: De netwerkclients configureren**

  Dit hoofdstuk biedt instructies over het instellen van de clients in uw netwerk om met uw draadloze router van ASUS te werken.

- **Hoofdstuk 4: Configureren via de grafische webinterface**

  Dit hoofdstuk biedt instructies over het configureren van de draadloze router van ASUS via de grafische gebruikersinterface op het internet (web-GUI).

- **Hoofdstuk 5: De hulpprogramma's installeren**

  Dit hoofdstuk biedt informatie over de hulpprogramma's die beschikbaar zijn op de ondersteunings-cd.

- **Hoofdstuk 6: Probleemoplossing**

  Dit hoofdstuk biedt u een gids waarmee u gebruikelijke problemen die zich kunnen voordoen tijdens het gebruik van de draadloze router van ASUS, kunt oplossen.

- **Bijlagen**

  In dit hoofdstuk vindt u de regelgevende mededelingen en veiligheidsverklaringen.

Conventies die in deze handleiding worden gebruikt

WAARSCHUWING: informatie om lichamelijke letsels te voorkomen wanneer u een taak probeert uit te voeren.

OPGELET: Informatie om schade aan de onderdelen te voorkomen wanneer u een taak probeert uit te voeren.

BELANGRIJK: Instructies die u MOET volgen om een taak te voltooien.

OPMERKING: tips en extra informatie om u te helpen bij het voltooien van uw taak.

1 Kennismaken met uw draadloze router

Inhoud verpakking

Controleer of de volgende items aanwezig zijn in de verpakking van uw draadloze router van ASUS.

- ☑ RT-G32 draadloze router
- ☑ Voedingsadapter
- ☑ Ondersteunings-cd (handleiding, hulpprogramma's)
- ☑ RJ45-kabel
- ☑ Snelstartgids

Opmerking: als een van de items beschadigd is of ontbreekt, moet u contact opnemen met uw leverancier.

Systeemvereisten

Voordat u de draadloze router van ASUS installeert, moet u controleren of uw systeem/netwerk voldoet aan de volgende vereisten:

- Een ethernet RJ-45-poort (10Base-T/100Base-TX)
- Minstens één IEEE 802.11b/g-apparaat met draadloze capaciteit
- Een geïnstalleerde TCP/IP en internetbrowser
- Ondersteuning voor Internet Explorer 6.0 of hoger

Voordat u doorgaat

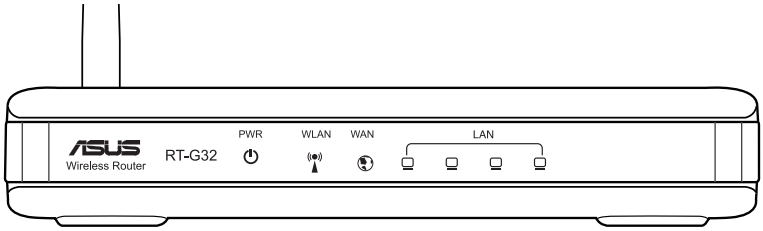
Houd rekening met de volgende richtlijnen voordat u de draadloze router van ASUS installeert.

- De ethernetkabel die het apparaat met het netwerk verbindt (hub, ADSL/kabelmodem, router, muurpatch) mag niet langer zijn dan 100 meter.
- Plaats het apparaat op een plat, stabiel oppervlak, zo ver van de grond als mogelijk.
- Houd het apparaat op afstand van metalen obstakels en uit direct zonlicht.
- Houd het apparaat uit de buurt van transformators, zware motoren, TL-lampen, magnetrons, koelkasten en andere industriële apparatuur om signaalverlies te voorkomen.

- Installeer het apparaat in een centraal gebied om een ideale dekking te bieden voor alle draadloze mobiele apparaten.
- Installeer het apparaat minstens 20 cm van een persoon om zeker te zijn dat het product wordt bediend in overeenstemming met de RF-richtlijnen voor Menselijke blootstelling, zoals aangenomen door de Federale Communicatiecommissie.

Hardware-eigenschappen

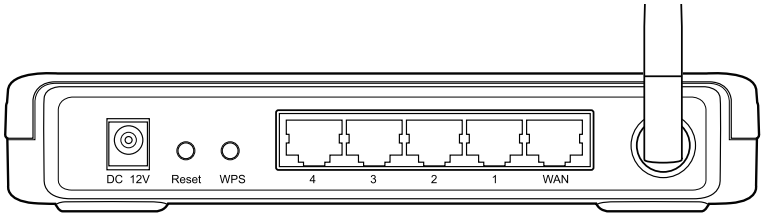
Voorpaneel



Statusindicators

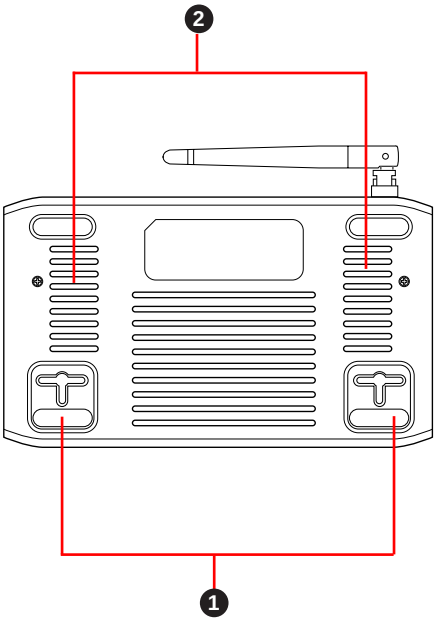
LED	Status	Aanduiding
⏻ (Voeding)	Uit	Geen voeding
	Aan	Systeem gereed
WLAN (draadloos LAN)	Uit	Geen voeding
	Aan	Draadloos systeem gereed
	Knipperend	Gegevens verzenden of ontvangen (draadloos)
LAN 1-4 (lokaal netwerk)	Uit	Geen stroom of geen fysieke verbinding
	Aan	Heeft een fysieke verbinding met een ethernet-netwerk
	Knipperend	Gegevens verzenden of ontvangen (via een ethernetkabel)
WAN (Wide Area Network)	Uit	Geen stroom of geen fysieke verbinding
	Aan	Heeft een fysieke verbinding met een ethernet-netwerk
	Knipperend	Gegevens verzenden of ontvangen (via een ethernetkabel)

Achterpaneel



Label	Beschrijving
ANTENNE	Stel de antenne handmatig in voor een betere signaalontvangst
WPS	Druk op deze knop om de Wi-Fi-beveiligde instelling (WPS) te starten.
Reset	Drie seconden indrukken om de standaard fabrieksinstellingen te herstellen.
WAN	Sluit een RJ-45-ethernetkabel aan op deze poort om een WAN-verbinding te maken.
LAN1-LAN4	Sluit RJ-45-ethernetkabels aan op deze poorten om een LAN-verbinding te maken.
12V gelijkstroom	Stop de gelijkstroomadapter in deze poort om uw router aan te sluiten op een stroombron.

Achterpaneel

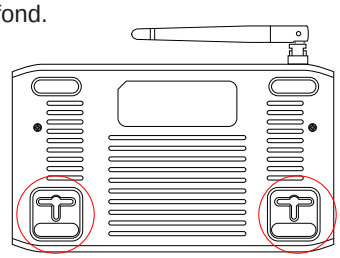


Item	Beschrijving
1	**Montagehaken** Gebruik de montagehaken om uw router te monteren op betonnen of houten oppervlakken met de twee bolkopschroeven.
2	**Ventilatieopeningen** Deze ventilatieopeningen bieden ventilatie aan uw router.

Opmerking: raadpleeg het hoofdstuk **Mounting options (Montageopties)** op de volgende pagina van deze gebruikershandleiding voor details over het monteren van uw router aan een muur of plafond.

Montageopties

De draadloze router van ASUS is bij de levering ingesteld voor installatie op een verhoogd plat oppervlak zoals een dossierkast of een boekenplank. Het apparaat kan ook worden omgevormd om te worden gemonteerd tegen een muur of aan het plafond.



De draadloze router van ASUS monteren:

1. Zoek de twee montagehaken aan de onderzijde.
2. Markeer de twee bovenste gaten in een plat oppervlak.
3. Maak de twee schroeven vast tot u 1/4" kunt zien.
4. Haak de haken van de draadloze router van ASUS in de schroeven.

Opmerking: pas de schroeven opnieuw aan als u de draadloze ASUS-router niet op de schroeven kunt haken of als ze te los zijn.

2 De hardware instellen

De draadloze router instellen

De draadloze router van ASUS voldoet aan verschillende werkscenario's met eigen configuraties. U zult mogelijk de standaardinstellingen van de draadloze router moeten wijzigen om te voldoen aan de vereisten in uw draadloze omgeving. Hierbij krijgt u ook EZSetup, een hulpprogramma waarmee u gemakkelijk een veilig en draadloos netwerk kunt instellen.

Opmerkingen:

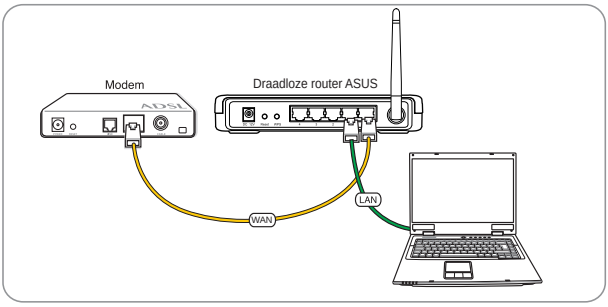
- Raadpleeg sectie **EZSetup** in hoofdstuk 5 van deze gebruikershandleiding voor meer details over EZSetup.

Een bekabelde verbinding instellen

De draadloze router van ASUS wordt geleverd met een ethernetkabel. De draadloze router heeft een automatische kruislingse functie geïntegreerd. Gebruik een rechte of gekruiste kabel voor een bekabelde verbinding.

De bekabelde verbinding instellen:

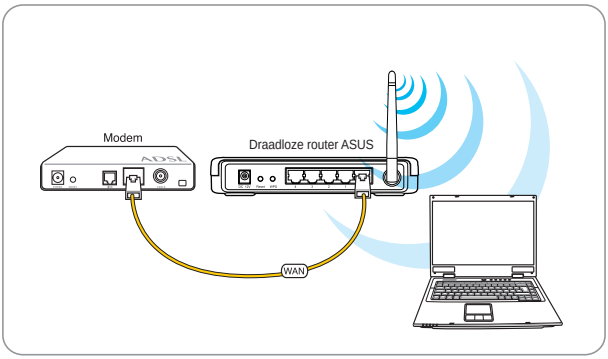
1. Schakel uw router en de modem in.
2. Gebruik een ethernetkabel om de WAN-poort van de router met de modem te verbinden.
3. Gebruik een andere ethernetkabel om de LAN-poort van de router aan te sluiten op de LAN-poort van de pc.



Een draadloze verbinding maken

Een draadloze verbinding maken:

1. Schakel uw router en de modem in.
2. Gebruik een ethernetkabel om de modem aan te sluiten op de WAN-poort van de router.
3. Sluit een IEEE 802.11b/g-compatibele WLAN-kaart aan. Raadpleeg de handleiding van uw draadloze adapter voor informatie over het maken van een draadloze verbinding. De standaard SSID van de draadloze router van ASUS is "default" (in kleine letters), de codering is uitgeschakeld en de open systeemverificatie wordt gebruikt.



De draadloze router configureren

De draadloze router van ASUS bevat een grafische webgebruikersinterface (web-GUI) waarmee u de draadloze router kunt configureren via een webbrowser op uw computer.

De web-GUI gebruiken

Als uw pc op de router is aangesloten met een kabel, wordt een webbrowser gestart en verschijnt de aanmeldingspagina van de webinterface van de router automatisch.

Als uw pc draadloos is verbonden met de router, moet u eerst het netwerk selecteren.

Het netwerk selecteren:

1. Klik op **Start** > **Control Panel (Configuratiescherm)** > **Network Connections (Netwerkverbindingen)** > **Wireless Network Connection (Draadloze netwerkverbinding)**.
2. Selecteer een netwerk in het venster **Choose a wireless network (Een draadloos netwerk kiezen)**. Wacht tot de verbinding is gemaakt.

Opmerking: De standaard SSID van de draadloze router is **default**. Maak een verbinding met deze standaard SSID.

3. Start een webbrowser nadat u een draadloze verbinding hebt gemaakt.

Opmerkingen:

- U kunt ook het standaard IP-adres van de router (**192.168.1.1**) handmatig invoeren om de webinterface van de router te starten.
- Meer details over het configureren van uw draadloze router vindt u op de web-GUI vindt u in **Hoofdstuk 4: Configureren via de grafische webinterface**.

3 De netwerkclients configureren

De draadloze router starten

Een IP-adres instellen voor een bekabelde of draadloze client

Om toegang te krijgen tot de draadloze router van ASUS, moet u de correcte TCP/IP-instellingen hebben opgegeven op uw bekabelde of draadloze clients. Controleer of de IP-adressen van de clients binnen hetzelfde subnetwerk van de draadloze router van ASUS liggen.

De draadloze router van ASUS bevat standaard de DHCP-serverfuncties die automatisch IP-adressen toewijzen aan de clients in uw netwerk.

In sommige gevallen zult u echter liever handmatig statische IP-adressen willen toewijzen aan enkele clients of computer in uw netwerk dan automatisch IP-adressen op te halen van uw draadloze router.

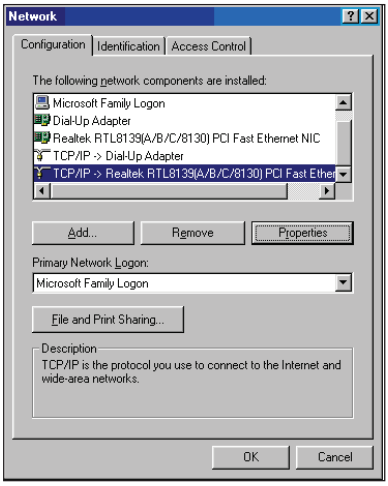
Volg de onderstaande instructies die overeenkomen met het besturingssysteem dat op uw client of computer is geïnstalleerd.

Opmerking: als u een IP-adres handmatig wilt toewijzen aan uw client, raden wij u aan de volgende instellingen te gebruiken:

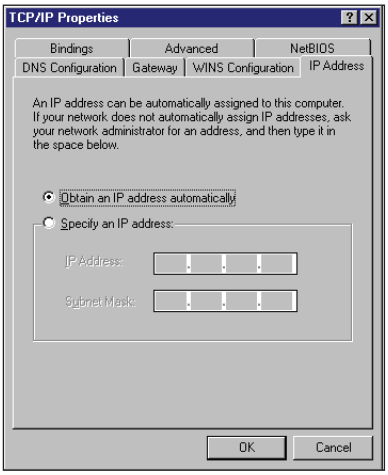
- **IP-adres**: 192.168.1.xxx (xxx kan elk getal tussen 2 en 254 zijn. Controleer of het IP-adres niet door een ander apparaat wordt gebruikt)
- **Subnetmasker**: 255.255.255.0 (idem als de draadloze router van ASUS)
- **Gateway**: 192.168.1.1 (IP-adres van de draadloze router van ASUS)
- **DNS**: 192.168.1.1 (draadloze router van ASUS) of wijs een bekende DNS-server toe aan uw netwerk

Windows® 9x/ME

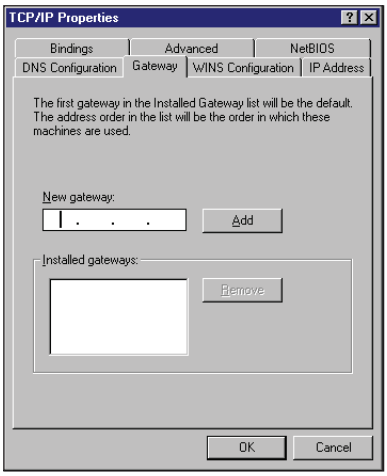
1. Klik op **Start** > **Control Panel (Configuratiescherm)** > **Network (Netwerk)** om het venster Network Setup (Netwerkinstellingen) weer te geven.
2. Selecteer **TCP/IP** en klik vervolgens op **Properties (Eigenschappen)**.



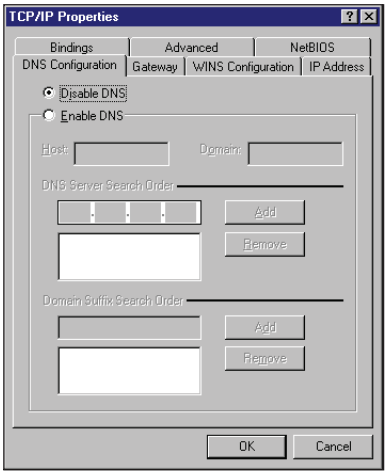
3. Als u wilt dat uw computer automatisch een IP-adres ophaalt, klikt u op **Obtain an IP address automatically (Automatisch een IP-adres verkrijgen)** en vervolgens op OK. Klik anders op **Specify an IP address (Een IP-adres opgeven)** en vul vervolgens de velden **IP address (IP-adres)** en **Subnet Mask (Subnetmasker)** in.



4. Selecteer het tabblad **Gateway**, voer **New gateway (Nieuwe gateway)** in en klik vervolgens op **Add (Toevoegen)**.

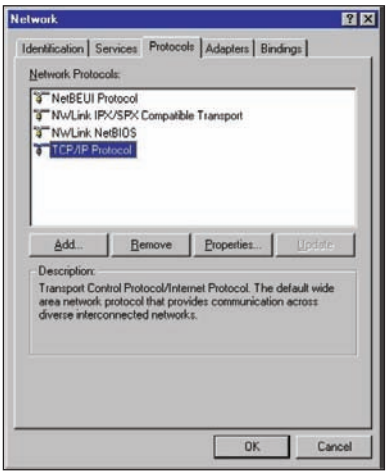


5. Selecteer het tabblad **DNS configuration (DNS-configuratie)** en klik op **Enable DNS (DNS inschakelen)**. Vul **Host**, **Domain (Domein)** en **DNS Server Search Order (zoekvolgorde DNS-server)** in en klik vervolgens op **Add (Toevoegen)**.
6. Klik op **OK**.

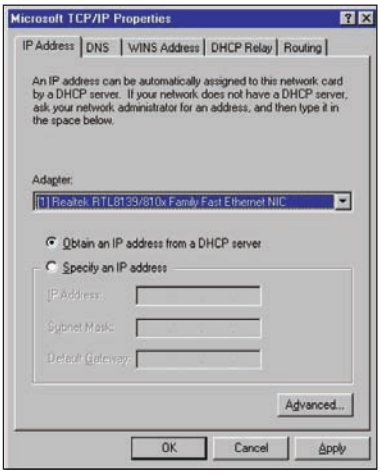


Windows® NT4.0

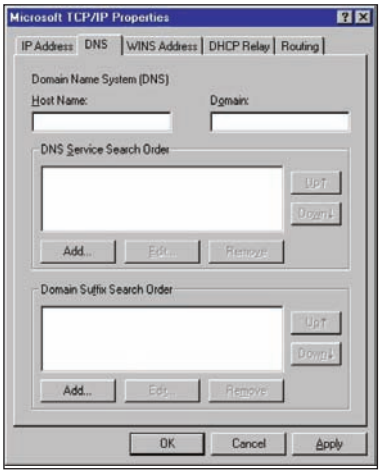
1. Ga naar **Control Panel (Configuratiescherm)** > **Network (Netwerk)** om het venster Network setup (Netwerkinstelling) weer te geven en selecteer vervolgens het tabblad **Protocols (Protocollen)**.
2. Selecteer **TCP/IP Protocol** in de lijst Network Protocols (Netwerkprotocollen) en klik vervolgens op **Properties (Eigenschappen)**.



3. Op het tabblad IP Address (IP-adres) van de vensters Microsoft TCP/IP Properties (Microsoft TCP/IP-eigenschappen), kunt u het volgende doen:
   - Selecteer het type netwerkadapter dat op uw systeem is geïnstalleerd.
   - Stel de router in om automatisch een IP-adres toe te wijzen.
   - Stel het IP-adres, het subnetmasker en de standaard gateway handmatig in.

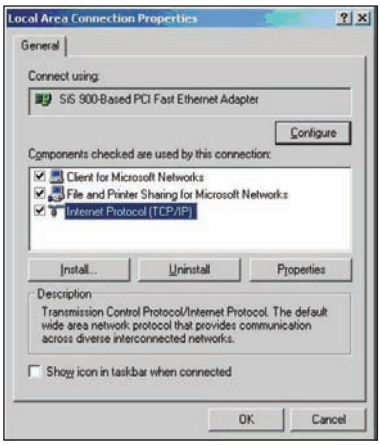


4. Selecteer het tabblad DNS en klik vervolgens op **Add (Toevoegen)** onder **DNS Service Search Order (Zoekvolgorde DNS-service)** en vul de DNS in.

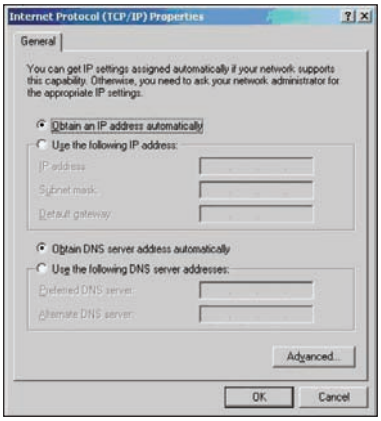


Windows® 2000

1. Klik op **Start** > **Control Panel (Configuratiescherm)** > **Network and Dial-up Connection (Netwerk- en inbelverbindingen)**. Klik met de rechtermuisknop op **Local Area Connection (LAN-verbinding)** en selecteer **Properties (Eigenschappen)**.

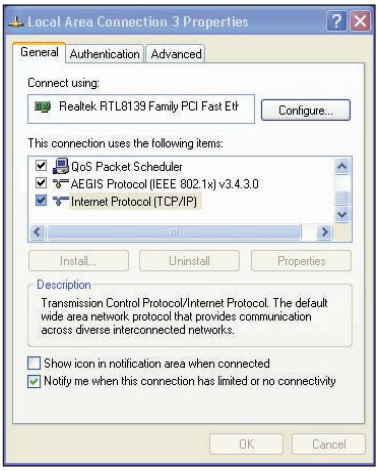


2. Selecteer **Internet Protocol (TCP/IP)** en klik vervolgens op **Properties (Eigenschappen)**.
3. Selecteer **Obtain an IP address automatically (Automatisch een IP-adres verkrjgen)** als u wilt dat de IP-instellingen automatisch worden toegewezen. Selecteer anders **Use the following IP address (Het volgende IP-adres gebruiken)**: en voer **IP address (IP-adres)**, **Subnet mask (Subnetmasker)** en **Default gateway (Standaard gateway)** in.
4. Selecteer **Obtain an IP address automatically (Automatisch een IP-adres verkrjgen)** als u wilt dat de DNS-serverinstellingen automatisch worden toegewezen. Selecteer anders **Use the following DNS server address (Het volgende DNS-serveradres gebruiken)**: en voer de **Preferred (Voorkeurs)** en **Alternate DNS server (Alternatieve DNS-server)** in.
5. Klik op **OK** als u klaar bent.

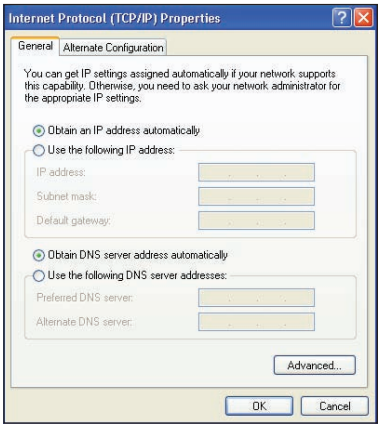


Windows® XP

1. Klik op **Start** > **Control Panel (Configuratiescherm)** > **Network Connection (Netwerkverbinding)**. Klik met de rechtermuisknop op **Local Area Connection (LAN-verbinding)**en selecteer Properties (Eigenschappen).



2. Selecteer **Internet Protocol (TCP/IP)** en klik vervolgens op **Properties (Eigenschappen)**.
3. Selecteer **Obtain an IP address automatically (Automatisch een IP-adres verkrjgen)** als u wilt dat de IP-instellingen automatisch worden toegewezen. Selecteer anders **Use the following IP address (Het volgende IP-adres gebruiken)**: en voer **IP address (IP-adres)**, **Subnet mask (Subnetmasker)** en **Default gateway (Standaard gateway)** in.
4. Selecteer **Obtain DNS server address automatically (Automatisch een DNS-serveradres verkrjgen)** als u wilt dat de DNS-serverinstellingen automatisch worden toegewezen. Selecteer anders **Use the following DNS server addresses (De volgende DNS-serveradressen gebruiken)**: en voer de **Preferred and Alternate DNS server (Voorkeurs- en alternatieve DNS-server)** in.
5. Klik op **OK** als u klaar bent.



4 Configureren via de grafische webinterface

Configureren via de grafische webinterface

Via de grafische webinterface (web-GUI) kunt u de functie configureren: **Setting (Instelling)**.

Configureren via de grafische webinterface:

1. Start een webbrowser nadat u een bekabelde of draadloze verbinding hebt ingesteld. De aanmeldingspagina wordt automatisch gestart.

Opmerking: U kunt ook het standaard IP-adres van de router (**192.168.1.1**) handmatig invoeren om de webinterface van de router te starten.

2. Voer de standaard gebruikersnaam (**admin**) en het wachtwoord (**admin**) in op de aanmeldingspagina.
3. Klik in de hoofdpagina op het navigatiemenu of op de koppelingen om de verschillende functies van de draadloze router van ASUS te configureren.

De instelling configureren

Via deze pagina kunt u de instelling voor de router en uw netwerk configureren. Hier kunt u de instelling configureren voor de volgende items: **Wireless (Draadloos)**, **LAN**, **WAN**, **Firewall**, **Administration (Beheer)** en **System Log (Systeemlogboek)**.

De pagina Instelling starten:

- Klik in het navigatiemenu aan de linkerzijde van uw scherm op **Setting (Instelling)**.

De firmware upgraden

Opmerking: download de recentste firmware van de ASUS-website op **http://www.asus.com**

De firmware upgraden:

1. Klik in het navigatiemenu aan de linkerzijde van uw scherm op **Setting (Instelling)**.
2. Klik onder het menu **Administration (Beheer)** op **Firmware Upgrade**.
3. Klik in het veld **New Firmware File (Nieuw firmwarebestand)** op **Browse (Bladeren)** om de nieuwe firmware op uw computer te zoeken.
4. Klik op **Upload (Uploaden)**. Het uploaden duurt ongeveer drie minuten.

Opmerking: Als de upgrade mislukt, gaat de draadloze router automatisch naar de noodmodus of defectmodus en knippert de LED-indicator voor de voeding op het voorpaneel langzaam. Gebruik het hulpprogramma Firmware Restoration (Firmwareherstel) om het systeem te herstellen of terug te zetten. Raadpleeg sectie **Firmware Restoration (Firmwareherstel)** in hoofdstuk 5 van deze gebruikershandleiding voor meer details over dit hulpprogramma

Instellingen herstellen/opslaan/uploaden

De instellingen herstellen/opslaan/uploaden:

1. Klik in het navigatiemenu aan de linkerzijde van uw scherm op **Setting (Instelling)**.
2. Klik onder het menu **Administration (Beheer)** op **Restore/Save/Upload Setting (Instelling Herstellen/opslaan/uploaden)**.

3. Selecteer de taken die u wilt uitvoeren:
   - Om de standaard fabrieksinstellingen te herstellen, klikt u op **Restore (Herstellen)** en klikt u vervolgens in het bevestigingsbericht op **OK**.
   - Om de huidige systeeminstellingen op te slaan, klikt u op **Save (Opslaan)**. Klik in het venster voor het downloaden van bestanden op **Save (Opslaan)** om het systeembestand in het pad van uw voorkeur op te slaan.
   - Om de voorgaande systeeminstellingen te herstellen, klikt u op **Browse (Bladeren)** om het systeembestand dat u wilt herstellen, te zoeken. Klik vervolgens op **Upload (Uploaden)**.

5 De hulpprogramma's installeren

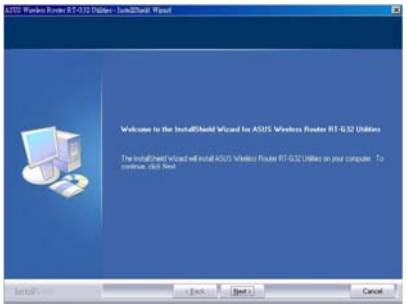
De hulpprogramma's installeren

De ondersteunings-cd bevat de hulpprogramma's voor het configureren van de draadloze router van ASUS. Om de WLAN-hulpprogramma's van ASUS onder Microsoft® Windows te installeren, plaatst u de ondersteunings-cd in het cd-romstation. Als Autorun is uitgeschakeld, moet u **setup.exe** uitvoeren vanaf de hoofdmap van de ondersteunings-cd.

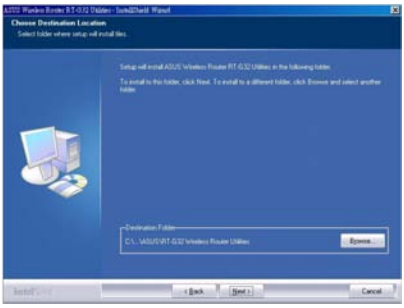
De hulpprogramma's installeren:

1. Klik op **Install ASUS Wireless Router Utilities (Hulpprogramma's draadloze router ASUS installeren)**.

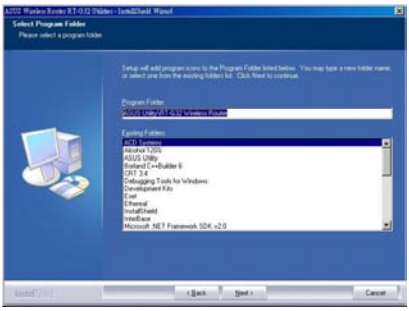
2. Klik op **Next (Volgende)**.



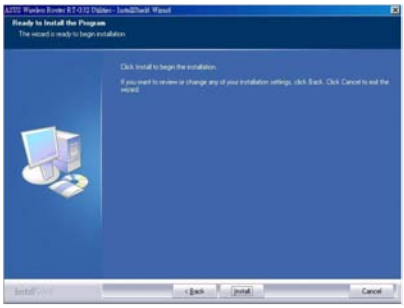
3. Klik op **Next (Volgende)** om de standaard doelmap te accepteren of klik op **Browse (Bladeren)** om een ander pad op te geven.



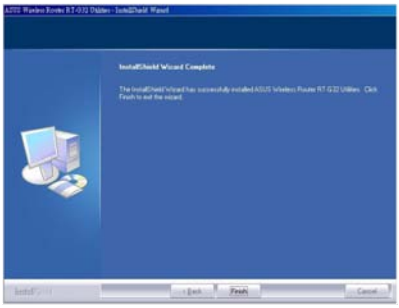
4. Klik op **Next (Volgende)**.



5. Klik op **Install (Installeren)** om het hulpprogramma te installeren.



6. Klik op **Finish (Voltooien)** nadat de instelling is voltooid.

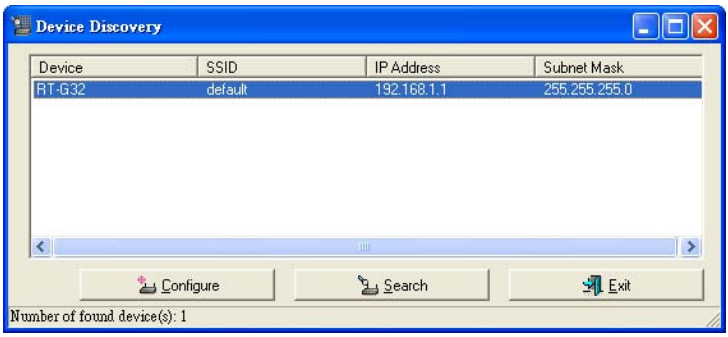


Apparaatopsporing

Device Discovery (Apparaatopsporing) is een WLAN-hulpprogramma van ASUS dat een draadloze router van ASUS kan detecteren en waarmee u het apparaat kunt configureren.

Het hulpprogramma Apparaatopsporing starten:

- Klik op het bureaublad van uw computer op **Start > All Programs (Alle programma's) > ASUS Utility (ASUS-hulpprogramma) > RT-G32 Wireless Router (RT-G32 draadloze router) > Device Discovery (Apparaatopsporing)**.



Firmwareherstel

Firmware Restoration (Firmwareherstel) is een hulpprogramma dat een draadloze router van ASUS zoekt die tijdens het upgraden van de firmware is defect geraakt. Daarna zorgt dit programma dat de firmware die u hebt opgegeven wordt hersteld of opnieuw wordt geüpload. Dit proces duurt drie tot vier minuten.

Gebruik dit hulpprogramma **NIET** tenzij er abnormale situaties optreden, zoals beschadigde firmware, een fout bij het upgraden of een systeemcrash.

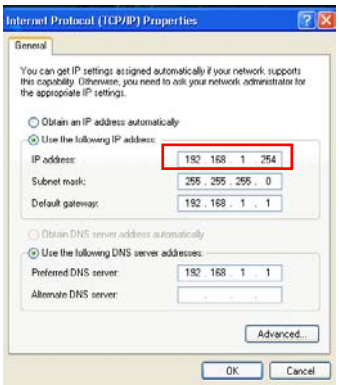
1. Download de laatste firmwareversie en het recentste hulpprogramma van onze website op (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Decomprimeer het hulpprogrammabestand en voer vervolgens **Setup.exe** uit. Klik op **Next (Volgende)** om de installatie te voltooien.

Het IP-adres handmatig instellen

Klik op **Start** > **Control Panel (Configuratiescherm)** > **Network Connection (Netwerkverbinding)**. Klik met de rechtermuisknop op **Local Area Connection (LAN-verbinding)** en selecteer vervolgens **Properties (Eigenschappen)**.

Stel het IP-adres handmatig in (192.168.1.254).

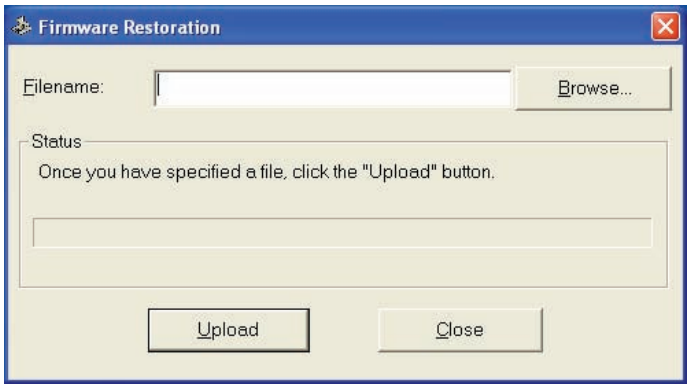
- Wij raden u aan een bekabelde verbinding te gebruiken en het IP-adres handmatig in te stellen om een ideale omgeving voor de verzending te verkrijgen.
- Zorg dat de firewall op de pc is uitgeschakeld.



3. Schakel de draadloze router uit, houdt de resetknop ingedrukt en schakel het apparaat opnieuw in. Het draadloze apparaat gaat naar de reddingsmodus nadat de WLAN-LED begint te knipperen.

Sluit het apparaat **NIET** af of voer geen reset uit van het apparaat terwijl de firmware-update wordt uitgevoerd. Hierdoor kan een opstartfout van het systeem worden veroorzaakt.

4. Klik op het bureaublad van Windows® op **Start** > **All programs (Alle programma's)** > **ASUS Utility (ASUS-hulpprogramma)** > **RT-G32 Wireless Router (RT-G32 draadloze router)** > **Firmware Restoration (Firmwareherstel)**.
5. Klik op **Browse (Bladeren)** om het firmwarebestand te kiezen en klik op **Upload (Uploaden)**.



6. Nadat de firmware is geüpload, wordt het apparaat automatisch opnieuw opgestart.

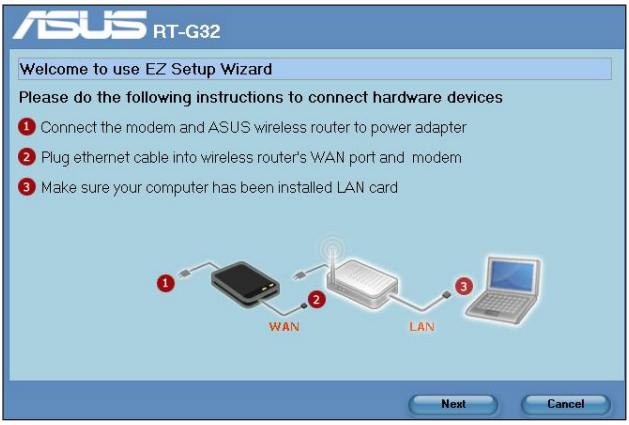
EZSetup

EZSetup is een hulpprogramma waarmee u uw draadloos netwerk gemakkelijk kunt instellen.

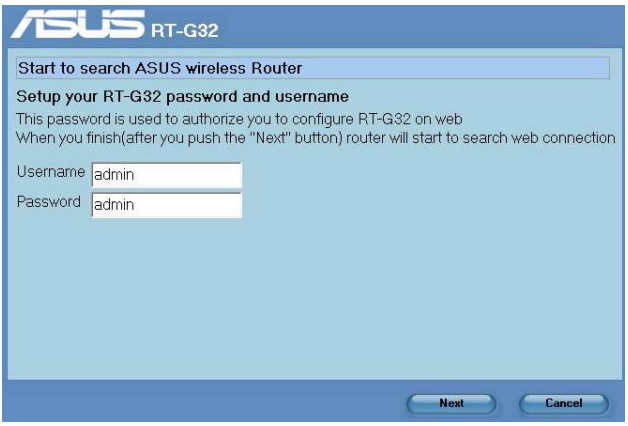
Voordat u EZSetup installeert, moet u controleren of uw RT-G32 is aangesloten op de modem of pc via de RJ45-kabel.

EZSetup gebruiken:

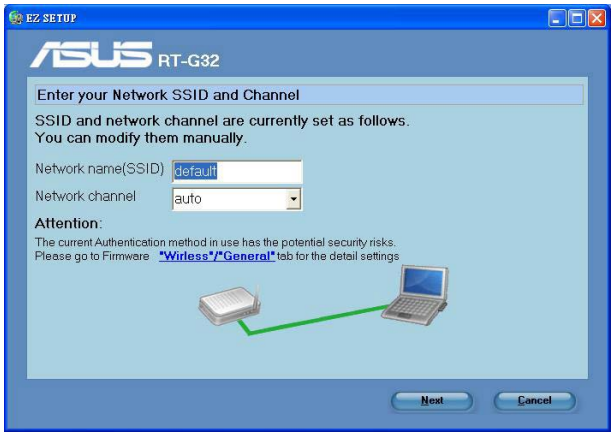
1. Volg de instructie om het hardwareapparaat aan te sluiten. Klik op **Next (Volgende)** wanneer u klaar bent.



2. Voer de gebruikersnaam en het wachtwoord in om de draadloze router op het web te configureren. Klik op **Next (Volgende)** wanneer u klaar bent.

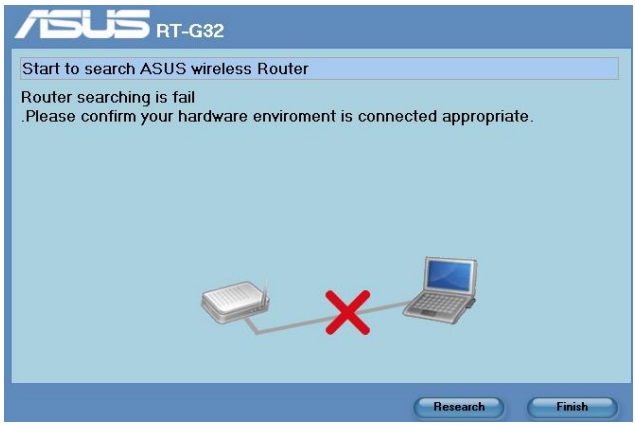


3. Nadat de verbinding van de netwerk-SSID en het kanaal zijn ingesteld, klikt u op **Next (Volgende)** om door te gaan.



(Verbinden)

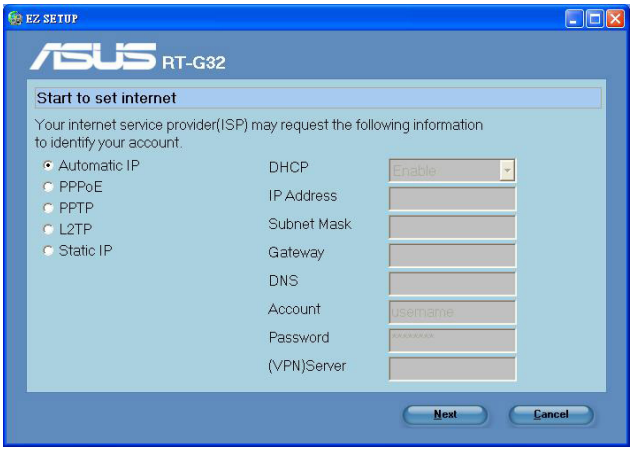
Als de verbinding is mislukt, moet u controleren of de hardwareomgeving correct is aangesloten en moet u klikken op **Re-search (Opnieuw zoeken)** om het zoeken opnieuw te starten.



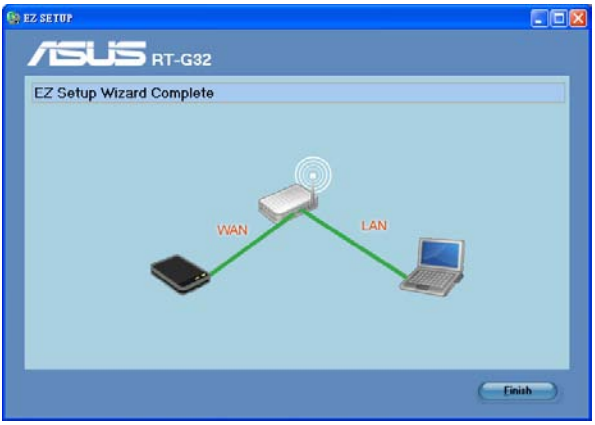
(Verbinding mislukt)

4. Klik op **Next (Volgende)** om de standaard ISP-verbindingsinstellingen te configureren. Klik op **Finish (Voltooien)** om de interne netwerkinstellingen te voltooien.

5. Selecteer uw verbindingstype uit deze types ISP-services: **Automatic IP (Automatisch IP)**, **PPPoE**, **PPTP**, **L2TP** en **Static IP**. Voer de informatie in die nodig is voor uw ISP-verbindingstype. Klik op **Next (Volgende)** wanneer u klaar bent.



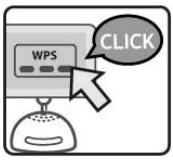
6. Klik op **Finish (Voltooien)** wanneer u klaar bent.



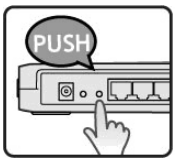
Sneltoets WPS-instelling

Wanneer u een pc of draadloze adapter (zoals ASUS USB-N11- en PCI-G31-adapter) met een WPS-functie aansluit, moet u de onderstaande instructies volgen om de snelle WPS-installatie mogelijk te maken.

1. Om WPS te gebruiken, moet u controleren of de RT-G32 draadloze router en de draadloze WPS-softwarefunctie van een andere computer zijn ingeschakeld.



2. Duw op het achterpaneel van de RT-G32 draadloze router op de WPS-knop.



3. De RT-G32 WLAN-LED kan oplichten en trager knipperen nadat de WPS-verbinding is gemaakt.

6 Probleemoplossing

Probleemoplossing

Deze gids voor het oplossen van problemen biedt antwoorden op enkele algemene problemen die u kunt ondervinden tijdens de installatie of het gebruik van de draadloze router van ASUS. Deze problemen vereisen enkele eenvoudige oplossingen die u zelf kunt uitvoeren. Neem contact op met de technische ondersteuning van ASUS als u problemen ondervindt die niet in dit hoofdstuk zijn vermeld.

Probleem	Actie
I kan geen toegang krijgen tot een webbrowser voor het configureren van de router.	1. Start een webbrowser en klik vervolgens op **Tools (Extra)** > **Internet Options... (Internet-opties...)** 2. Klik onder **Temporary Internet files (Tijdelijke internetbestanden)** op **Delete Cookies... (Cookies verwijderen...)** en **Delete Files... (Bestanden verwijderen...)**
De client kan geen draadloze verbinding maken met de router.	**Buiten bereik:** • Plaats de router dichter bij de draadloze client. • Probeer de kanaalinstellingen te wijzigen. **Verificatie:** • Gebruik een bekabelde verbinding om de router te verbinden. • Controleer de draadloze beveiligingsinstellingen. • Houd de Reset-knop op het achterpaneel langer dan vijf seconden ingedrukt. **Kan de router niet vinden:** • Houd de Reset-knop op het achterpaneel langer dan vijf seconden ingedrukt. • Controleer de instelling van de draadloze adapter, zoals de SSID-en coderingsinstellingen.

Probleem	Actie
Kan geen toegang krijgen tot het internet via de draadloze LAN-adapter	• Plaats de router dichter bij de draadloze client. • Controleer of de draadloze adapter verbonden is met de correcte draadloze router. • Controleer of het draadloze kanaal dat wordt gebruikt, overeenstemt met de kanalen die beschikbaar zijn in uw land/regio. • Controleer de codeerinstellingen. • Controleer of de ADSL-of kabelverbinding correct is. • Probeer het opnieuw met een andere ethernetkabel.
Internet is niet toegankelijk	• Controleer de statusindicators op de ADSL-modem en de draadloze router. • Controleer of de WAN-LED op de draadloze router AAN is. Als de LED niet is opgelicht, vervangt u de kabel en probeert u het opnieuw.
Wanneer het "Link"-lampje van de ADSL-modem AAN is (niet knipperend), betekent dit dat er geen internettoegang mogelijk is.	• Start uw computer opnieuw op. • Raadpleeg de Snelstarthandleiding van de draadloze router en configureer de instellingen opnieuw. • Controleer of de WAN-LED op de draadloze router AAN is. • Controleer de draadloze codeerinstellingen. • Controleer of de computer het IP-adres kan verkrijgen (zowel via bekabeld als draadloos netwerk). • Controleer of uw webbrowser is geconfigureerd om het lokale LAN te gebruiken en niet is geconfigureerd om een proxyserver te gebruiken.
Als het "LINK"-lampje van de ADSL blijft knipperen of uit blijft, is er geen internettoegang mogelijk. De router kan geen verbinding maken met het ADSL-netwerk.	• Controleer of al uw kabels correct zijn aangesloten. • Koppel de voedingskabel van de ADSL- of kabelmodem los, wacht enkele minuten en sluit de kabel vervolgens opnieuw aan. • Als het ADSL-lampje blijft knipperen of UIT blijft, moet u contact opnemen met uw ADSL-serviceprovider.

Probleem	Actie
Netwerknaam of coderingssleutels vergeten	• Probeer de bekabelde verbinding in te stellen en configureer de draadloze codering opnieuw. • Houd de knop Restore (Herstel) op het achterpaneel van de draadloze router langer dan vijf seconden ingedrukt.
Het systeem herstellen naar zijn standaardinstellingen	• Houd de knop Restore (Herstel) op het achterpaneel van de draadloze router langer dan vijf seconden ingedrukt. • Raadpleeg de paragraaf **Restoring to the default settings (Herstellen naar de standaardinstellingen)** in hoofdstuk 4 van deze gebruikershandleiding. Hieronder vindt u de standaard fabrieksinstellingen: **Gebruikersnaam:** admin **Wachtwoord:** admin **DHCP inschakelen:** Ja (als WAN-kabel is aangesloten) **IP-adres:** 192.168.1.1 **Domeinnaam:** (blanco) **Subnetmasker:** 255.255.255.0 **DNS-server 1:** 192.168.1.1 **DNS-server 2:** (blanco) **SSID:** default

Bijlagen

Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Version 2, June 1991

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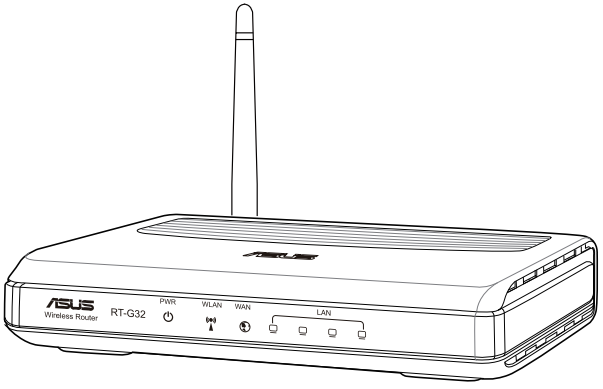
RT-G32
Routeur sans fil



Manuel de l'utilisateur

F4264
Première édition
Novembre 2008

Table des matières

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A propos de ce manuel

Ce manuel de l'utilisateur contient les informations dont vous aurez besoin pour installer et configurer votre routeur sans fil ASUS.

Comment ce guide est organisé

Ce guide contient les sections suivantes:

- **Chapitre 1 : Présentation du routeur sans fil**

  Ce chapitre fournit des informations sur le contenu de l'emballage, les configurations système requises, les caractéristiques matérielles et les indicateurs lumineux du routeur sans fil ASUS.

- **Chapitre 2 : Configurer le matériel**

  Ce chapitre fournit des instructions sur l'installation, la configuration et l'accès au routeur sans fil ASUS.

- **Chapitre 3 : Configurer les clients réseau**

  Ce chapitre fournit des instructions sur la configuration des ordinateurs de votre réseau utilisant le routeur sans fil ASUS.

- **Chapitre 4 : Configuration via l'interface Web**

  Ce chapitre fournit des informations sur la configuration du routeur sans fil ASUS à l'aide de l'interface utilisateur en ligne.

- **Chapitre 5 : Installer les utilitaires**

  Ce chapitre fournit des informations sur les utilitaires disponibles sur le CD de support.

- **Chapitre 6 : Dépannage**

  Ce chapitre inclut un guide de dépannage permettant de résoudre les problèmes fréquement rencontrés lors de l'utilisation du routeur sans fil ASUS.

- **Appendice**

  Ce chapitre décrit les normes et déclarations de sécurité.

Conventions utilisées dans ce manuel

Pour être sûr que vous procédiez à certaines tâches correctement, retenez les symboles suivants, utilisés tout au long de ce manuel.

DANGER/AVERTISSEMENT : Information vous évitant de vous blesser lorsque vous effectuez une tâche .

ATTENTION : Information vous évitant d'endommager les composants lorsque vous effectuez une tâche.

IMPORTANT : Instructions que vous DEVEZ suivre afin de mener à bien une tâche.

NOTE : Astuces et informations additionnelles pour vous aider à mener à bien une tâche.

1 Présentation du routeur sans fil

Contenu de la boîte

Vérifiez que les éléments suivant soient bien inclus dans l'emballage de votre routeur sans fil ASUS.

- ☑ Routeur sans fil RT-G32
- ☑ Adaptateur secteur
- ☑ CD de support (manuel, utilitaires)
- ☑ Câble RJ45
- ☑ Guide de démarrage rapide

Note: Si l'un des éléments ci-dessus venait à manquer ou à être endommagé, contactez votre revendeur.

Configuration système requise

Avant d'installer votre routeur sans fil ASUS, assurez-vous que votre système/ réseau réponde aux critères suivants :

- Un port Ethernet RJ-45 (10Base-T/100Base-TX)
- Au moins un périphérique sans fil IEEE 802.11b/g
- Des paramètres TCP/IP et un explorateur Web installés
- Supporte Internet Explorer 6 ou version ultérieure

Avant de commencer

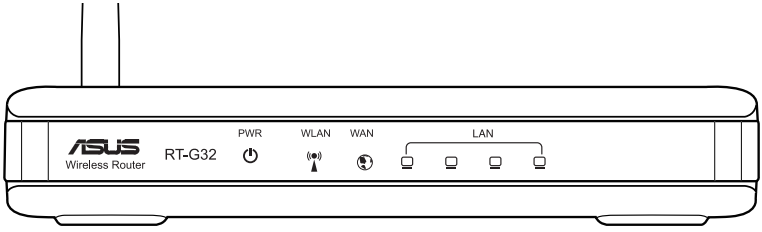
Veuillez prendre en compte les indications suivantes avant d'installer votre routeur sans fil ASUS :

- La longueur du câble raccordant l'appareil au réseau (hub, modem ADSL/ câble, routeur, patch mural) ne doit pas excéder 100 mètres.
- Placez l'appareil sur une surface plane et stable le plus éloigné possible du sol.
- Gardez l'appareil à l'écart des obstructions métalliques et de la lumière du soleil.
- Gardez l'appareil à l'écart des transformateurs, moteurs, éclairages fluorescents, fours à micro-ondes, réfrigérateurs et autres produits industriels afin d'éviter les pertes de signal.

- Intsallez l'appareil dans un endroit central afin d'obtenir une couverture idéale pour tous les périphériques sans fil mobiles.
- Installez l'appareil à une distance minimum de 20 cm des personnes afin qu'il soit utilisé en conformité avec les directives concernant l'exposition des personnes aux fréquences radio adoptées par la Commission Fédérale des Communications (FCC).

Caractéristiques matérielles

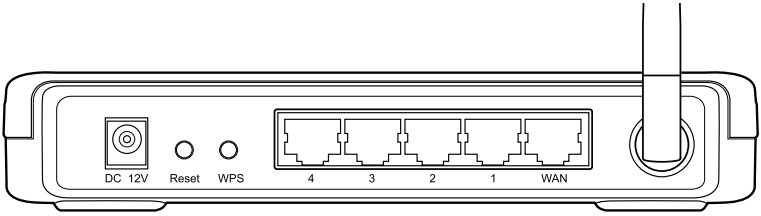
Face avant



Indicateurs d'état

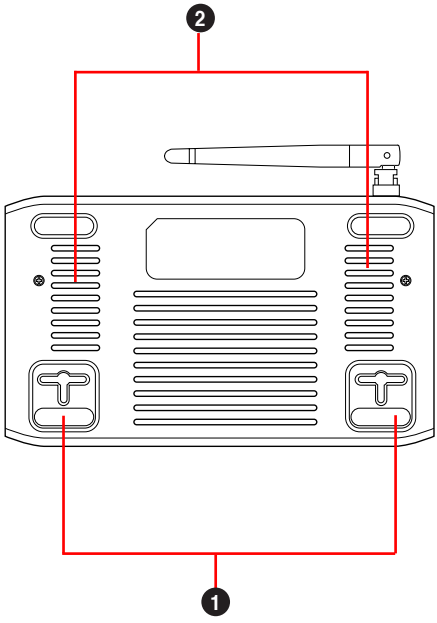
LED	Etat	Indication
⏻ (Alim)	Eteint	Pas d'alimentation
	Allumé	Système prêt
WLAN (réseau sans fil)	Eteint	Pas d'alimentation
	Allumé	Système sans fil prêt
	Clignotement	Transmission ou réception de données en cours (par le réseau sans fil)
LAN 1-4 (Réseau local)	Eteint	Pas d'alimentation ou de connexion physique
	Allumé	Connexion physique à un réseau Ethernet
	Clignotement	Transmission ou réception de données en cours (par le câble Ethernet)
WAN (Réseau étendu)	Eteint	Pas d'alimentation ou de connexion physique
	Allumé	Connexion physique à un réseau Ethernet
	Clignotement	Transmission ou réception de données en cours (par le câble Ethernet)

Face arrière



Annotation	Description
ANTENNA	Ajustez manuellement l'antenne afin d'obtenir une meilleure réception du signal.
WPS	Appuyez sur ce bouton pour lancer l'utilitaire WPS (Wi-Fi Protected Setup).
Reset	Appuyez sur ce bouton pendant 3 secondes pour restaurer les paramètres par défaut du routeur.
WAN	Connectez un câble Ethernet RJ-45 sur ce port pour établir une connexion au réseau étendu (WAN).
LAN1-LAN4	Raccordez des câbles RJ-45 à ces ports pour établir une connexion au réseau local (LAN).
DC 12V	Branchez l'adaptateur secteur sur ce port pour connecter le routeur à une source d'alimentation.

Dessous



Elément	Description
1	**Crochet de fixation** Utilisez les crochets de fixation pour installer votre routeur sur un mur ou une surface en bois à l'aide des deux vis à tête ronde.
2	**Ouvertures de ventilation** Ces ouvertures permettent de refroidir efficacement votre routeur

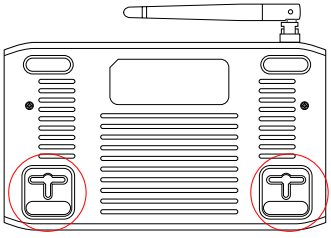
Note : pour plus de détails sur comment installer le routeur sur un mur ou au plafond, référez-vous à la section **Options de montage** située à la page suivante.

Options de montage

Une fois sorti de son emballage, le routeur sans fil ASUS est conçu pour être installé sur une surface plane comme un meuble ou une étagère. L'unité peut également être fixée à un mur ou au plafond.

Pour monter le routeur sans fil ASUS :

1. Localisez les deux crochets de fixation situés sur le dessous du routeur.
2. Définissez deux trous sur un mur ou sur une autre surface plane.
3. Serrez les deux vis jusqu'à ce qu'un quart seulement soit visible.
4. Faites passer puis posez les crochets du routeur sans fil ASUS sur les vis.



Note : réajustez les vis si vous ne pouvez pas installer le routeur sans fil ASUS sur les vis ou si l'installation est instable.

2 Configurer le matériel

Configurer le routeur sans fil

Le routeur sans fil ASUS peut être configuré pour répondre à divers scénarios d'utilisation. Certains paramètres d'usine peuvent convenir à votre usage ; cependant, d'autres devront éventuellement être modifié. Il fournit également l'utilitaire EZSetup qui vous permet de configurer facilement un réseau sécurisé.

Notes:

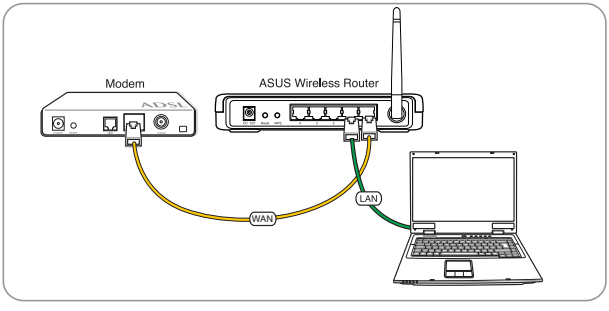
- Pour plus de détails sur EZSetup, référez-vous à la section **EZSetup** du chapitre 5 de ce manuel de l'utilisateur.

Configurer une connexion filaire

Un câble Ethernet est fourni avec le routeur sans fil ASUS. La fonction Auto-crossover est intégrée au routeur sans fil pour que vous puissiez aussi bien utiliser un câble Ethernet droit que croisé.

Pour configurer une connexion filaire :

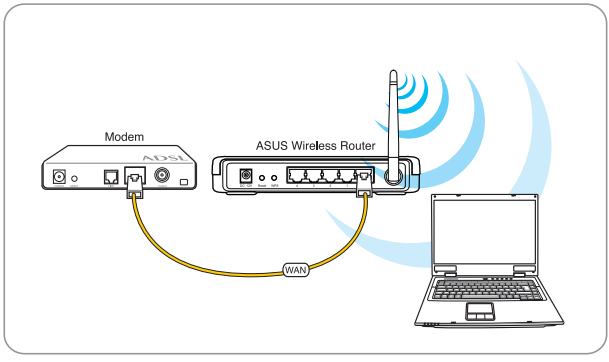
1. Allumez le routeur et le modem.
2. A l'aide du câble Ethernet, connectez le port WAN du routeur au modem.
3. A l'aide d'un autre câble Ethernet, connectez le port LAN du routeur au port LAN du PC.



Configurer une connexion sans fil

Pour configurer une connexion sans fil :

1. Allumez le routeur et le modem.
2. A l'aide d'un câble Ethernet, raccordez le modem au port WAN du routeur.
3. Connectez une carte réseau sans fil compatible avec le standard IEEE 802.11b/g. Référez-vous au manuel de la carte réseau sans fil pour la procédure de configuration de la connexion sans fil. Par défaut, le SSID du routeur sans fil ASUS est "default" (en lettres minuscules), le cryptage est désactivé et l'authentification à système ouvert est utilisée.



Configurer le routeur sans fil

Le routeur sans fil ASUS inclut un interface utilisateur en ligne qui permet de configurer le routeur sans fil sur votre ordinateur à l'aide d'un explorateur Web.

Utiliser l'interface Web

Si votre PC se connecte au routeur via un câble, lancez un explorateur Web ; la fenêtre de connexion à l'interface utilisateur en ligne s'affichera automatiquement.

Si votre PC est relié au routeur via une connexion sans fil, vous devez tout d'abord sélectionner le réseau.

Pour sélectionner le réseau :

1. Cliquez sur **Démarrer > Panneau de configuration > Connexions réseau > Connexion réseau sans fil.**
2. Sélectionnez un réseau dans la fenêtre **Choisir un réseau sans fil**. Attendez que la connexion soit établie.

Note : Le SSID par défaut du routeur sans fil est **default**. Connectez-vous à ce SSID.

3. Une fois la connexion sans fil établie, lancez un explorateur Web.

Notes :

- Vous pouvez également saisir manuellement l'adresse IP par défaut du routeur (**192.168.1.1**) pour lancer l'interface de configuration en ligne du routeur.
- Pour plus de détails sur la configuration de votre routeur sans fil via l'interface utilisateur en ligne, référez-vous au chapitre **4 : Configuration via l'interface Web**.

3 Configurer les clients réseau

Accéder au routeur sans fil

Définir l'adresse IP d'un client avec ou sans fil

Pour accéder au routeur sans fil ASUS, vos clients (avec ou sans fil) doivent disposer de paramètres TCP/IP corrects. Définissez les adresses IP des clients sur le même masque de sous-réseau que le routeur sans fil ASUS.

Le routeur sans fil ASUS intègre des fonctions de serveur DHCP. Votre ordinateur peut ainsi obtenir une adresse IP automatiquement du routeur sans fil ASUS.

Malgré tout, dans certains cas, il est préférable d'assigner manuellement une adresse IP statique à certains clients ou ordinateurs de votre réseau.

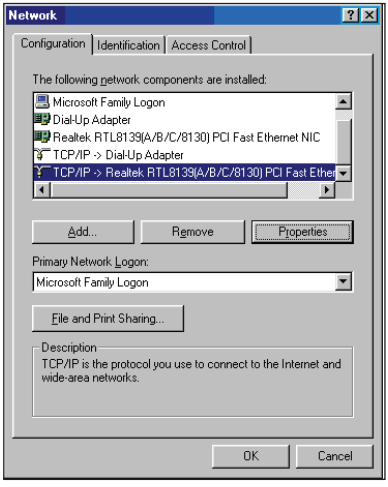
Suivez ci-dessous correspondant au système d'exploitation installé sur votre client ou ordinateur.

Note : Si vous souhaitez assigner manuellement une adresse IP à un client, nous vous recommandons d'utiliser les paramètres suivants :

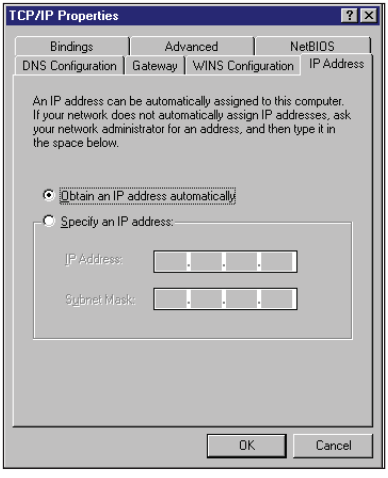
- **Adresse IP** : 192.168.1.xxx (xxx est un nombre compris entre 2 et 254. Assurez-vous que l'adresse IP ne soit pas utilisée par un autre périphérique)
- **Masque de sous-réseau** : 255.255.255.0 (identique à celui du routeur sans fil ASUS)
- **Passerelle** : 192.168.1.1 (adresse IP du routeur sans fil ASUS)
- **DNS** : 192.168.1.1 (routeur sans fil ASUS) ou assignez un serveur DNS connu à votre réseau

Windows® 9x/ME

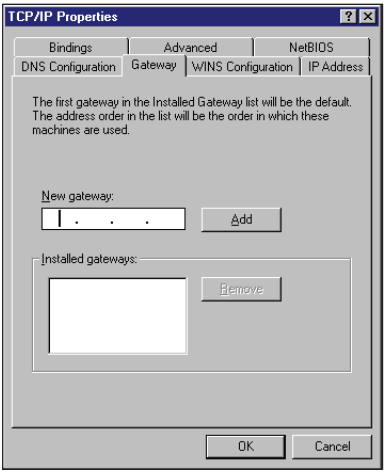
1. Cliquez sur **Démarrer** (Start) > **Panneau de configuration** (Control Panel) > **Connexions réseau** (Network), la fenêtre ci-contre apparaît.
2. Dans l'onglet Configuration, cliquez sur **Propriétés** (Properties).



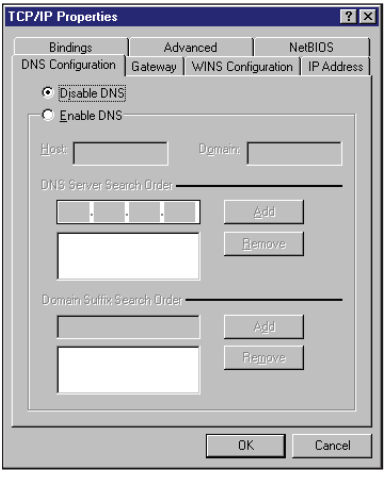
3. Si vous souhaitez que votre ordinateur obtienne automatiquement une adresse IP, cliquez sur **Obtenir une adresse IP automatiquement** (Obtain an IP address automatically) puis cliquez sur OK. Sinon, cliquez sur **Utiliser l'adresse IP suivante** (Specify an IP address), puis saisissez l'adresse IP (**IP address) et le masque de sous-réseau** (**Subnet Mask)**.



4. Sélectionnez l'onglet Passerelle (**Gateway)**, saisissez la Nouvelle passerelle (**New gateway)** puis cliquez sur Ajouter **(Add)**.

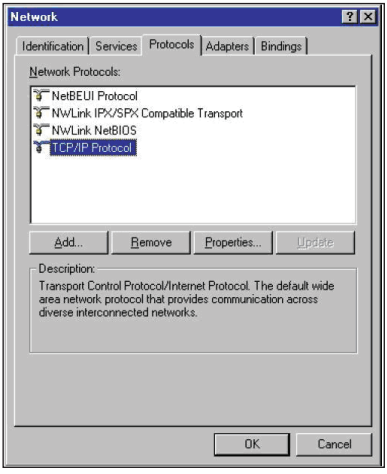


5. Sélectionnez l'onglet de configuration DNS (**DNS configuration)** puis cliquez sur Activer le service DNS (**Enable DNS)**. Saisissez le nom d'hôte (**Host)**, le Domaine (**Domain)**, et l'ordre de recherche du serveur DNS (**DNS Server Search Order)**, puis cliquez sur Ajouter (**Add)**.
6. Cliquez sur **OK**.

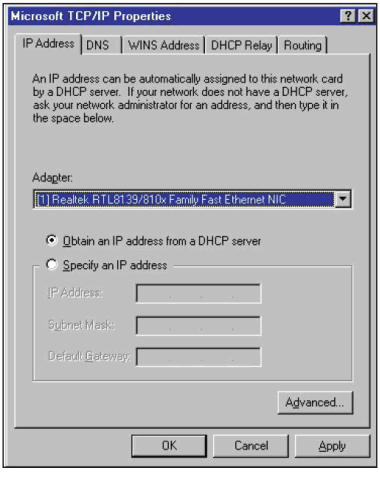


Windows® NT4.0

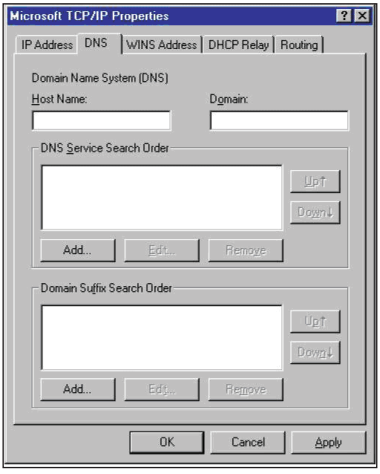
1. Cliquez sur **Démarrer** > **Panneau de configuration** > **Réseau** pour afficher la fenêtre de configuration Réseau.
2. Sélectionnez **TCP/IP** puis cliquez sur **Propriétés**.



3. Dans l'onglet Adresse IP (IP Address) de la fenêtre des propriétés TCP/IP de Microsoft, vous pouvez :
   - Sélectionner le type d'adaptateur réseau installé sur votre système.
   - Configurer le routeur pour qu'il assigne des adresses IP automatiquement.
   - Configurer manuellement les adresse IP, le masque de sous-réseau et la Passerelle par défaut.

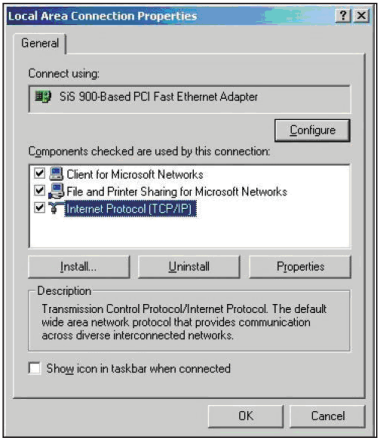


4. Sélectionnez l'onglet DNS puis cliquez sur Ajouter (**Add)** en dessous de l'Ordre de recherche du service DNS (**DNS Service Search Order)** et saisissez le nom de domaine.

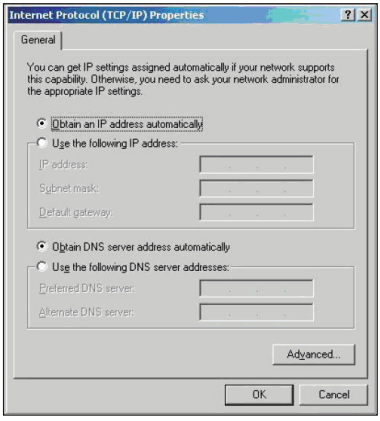


Windows® 2000

1. Cliquez sur **Démarrer** > **Panneau de configuration** > **Réseau** > **Connexions Réseau et accès à distance** (Network and dial-up connection), faites un clic droit sur **Connexion à un réseau local** (Local Area Connection) puis cliquez sur **Propriétés** (Properties).



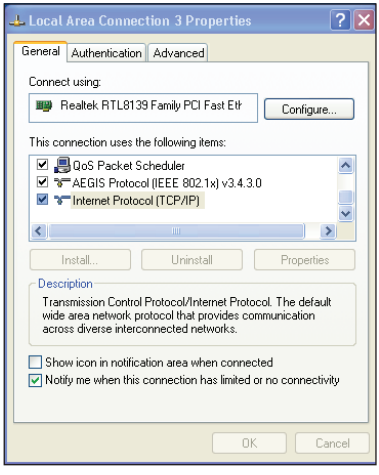
2. Sélectionnez **Protocole Internet (TCP/IP)** (Internet Protocol (TCP/IP)), puis cliquez sur **Propriétés** (Properties).
3. Si vous souhaitez que votre ordinateur obtienne une adresse IP automatiquement, cliquez sur **Obtenir une adresse IP automatiquement** (Obtain an IP address automatically) puis cliquez sur **OK**. Sinon, cliquez sur **Utilisez l'adresse IP suivante** (Use the following IP address) puis saisissez les adresses IP, le masque sous-réseau et de passerelle par défaut appropriés.



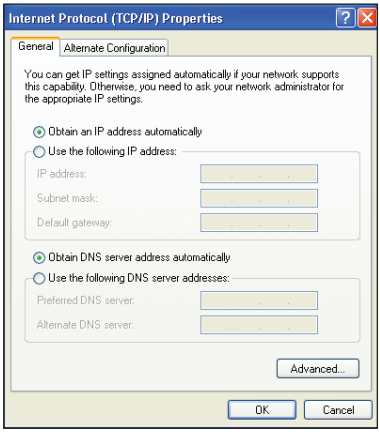
4. Si vous souhaitez que les paramètres de serveur DNS soient assignés automatiquement, sélectionnez **Obtenir l'adresse de serveur DNS automatiquement** (Obtain DNS serveraddress automatically). Sinon, sélectionnez **Utiliser l'adresse de serveur DNS suivante** (Use the following DNS server address) et saisissez les adresses du **serveur DNS Favori** (Preferred) et du **serveur DNS alternatif** (Alternate DNS server).
5. Cliquez sur **OK** une fois terminé.

Windows® XP

1. Cliquez sur **Démarrer** > **Panneau de configuration** > **Connexions réseau**. Faites un clic droit sur Connexion réseau local (**Local Area Connection)** puis sélectionnez Propriétés.



2. Sélectionnez **Protocole Internet (TCP/IP)** (Internet Protocol (TCP/IP)), puis cliquez sur **Propriétés** (Properties)**.**
3. Si vous souhaitez que votre ordinateur obtienne une adresse IP automatiquement, cliquez sur **Obtenir une adresse IP automatiquement** (Obtain an IP address automatically) puis cliquez sur **OK**. Sinon, cliquez sur **Utilisez l'adresse IP suivante** (Use the following IP address) puis saisissez les adresses IP, du masque sous-réseau et de la passerelle par défaut.
4. Si vous souhaitez que les paramètres de serveur DNS soient assignés automatiquement, sélectionnez **Obtenir l'adresse de serveur DNS automatiquement** (Obtain DNS serveraddress automatically). Sinon, sélectionnez **Utiliser l'adresse de serveur DNS suivante** (Use the following DNS server address) et saisissez les adresses du **serveur DNS Favori** (Preferred) et du **serveur DNS alternatif** (Alternate DNS server).
5. Cliquez sur **OK** une fois terminé.



4 Configuration via l'interface Web

Configuration via l'interface Web

L'interface utilisateur en ligne vous permet de configurer les fonctions suivantes : **Setting** (Paramètres).

Pour configurer le routeur via l'interface Web :

1. Après avoir établi une connexion filaire ou sans fil, lancez un explorateur Web. La page de connexion s'affiche automatiquement.

Note : Vous pouvez également saisir manuellement l'adresse IP par défaut du routeur (**192.168.1.1**) pour lancer l'interface de configuration en ligne.

2. Dans la fenêtre de connexion, saisissez le nom d'utilisateur par défaut (**admin**) et le mot de passe (**admin**).
3. Depuis la page principale, cliquez sur les menus de navigation ou sur les liens pour configurer les différentes fonctions du routeur sans fil ASUS.

Configurer les paramètres

Cette page vous permet de configurer les paramètres du routeur et du réseau. Elle permet de configurer les paramètres pour : le sans fil (**Wireless)**, le réseau local (**LAN)**, le réseau étendu (**WAN)**, le pare-feu (**Firewall)**, la gestion (**Administration)**, et l'historique du système (**System Log)**.

Pour lancer la page des paramètres :

- Cliquez sur **Setting** dans le menu de navigation situé sur la gauche de l'écran.

Mise à jour du Firmware

Note : Téléchargez le dernier firmware sur le site Web d'ASUS : **http://www.asus.com**

Pour mettre à jour le firmware:

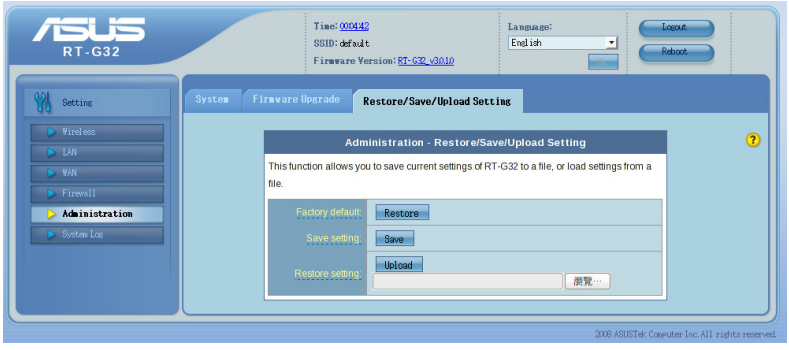
1. Cilquez sur **Setting** dans le menu de navigation situé sur la gauche de l'écran.
2. Dans le menu **Administration**, cliquez sur **Firmware Upgrade**.
3. Dans le champ **New Firmware File** (Nouveau Fichier de Firmware), cliquez sur **Browse** (Parcourir) pour localiser le nouveau firmware sur votre ordinateur.
4. Cliquez sur **Upload (Charger)**. le chargement prend environ trois minutes.

Note : Si le processus de mise à jour échoue, le routeur sans fil entre automatiquement en mode d'urgence ou mode panne et le témoin lumineux situé sur le panneau avant se met à clignoter lentement. Pour récupérer ou restaurer le système, utilisez l'utilitaire de restauration du Firmware. Pour plus de détails sur cet utilitaire, référez-vous à la section **Restauration du Firmware** du chapitre 5 de ce manuel.

Restaurer / Sauvegarder / Charger des paramètres

Pour restaurer / sauvegarder / charger des paramètres :

1. Cilquez sur **Setting** dans le menu de navigation situé sur la gauche de l'écran.
2. Dans le menu **Administration**, cliquez sur **Restore/Save/Upload Setting**.



3. Sélectionnez les tâches que vous souhaitez effectuer :
   - Pour restaurer les paramètres par défaut, cliquez sur **Restore** puis cliquez sur **OK** lorsque le message de confirmation apparaît.
   - Pour sauvegarder les paramètres système actuels, cliquez sur **Save**, puis cliquez sur **Save** dans la fenêtre de téléchargement de fichiers pour sauvegarder le fichier système à l'emplacement désiré.
   - Pour restaurer les paramètres système précédents, cliquez sur Parcourir (**Browse)** pour localiser le fichier système que vous souhaitez restaurer, puis cliquez sur Charger (**Upload)**.

5 Installer les utilitaires

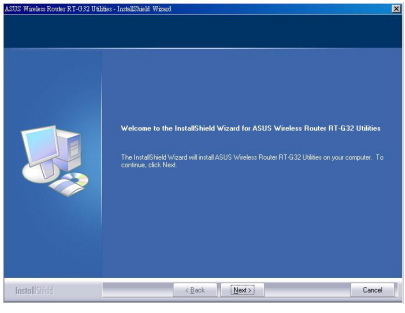
Installer les utilitaires

Le CD de support contient les utilitaires de permettant de configurer le routeur sans fil ASUS. Pour installer les utilitaires sans fil ASUS sous Microsoft® Windows, insérez le CD de support dans le lecteur CD de vote PC. Si l'exécution automatique est désactivée, exécutez le fichier **setup.exe** depuis le répertoire racine du CD de support.

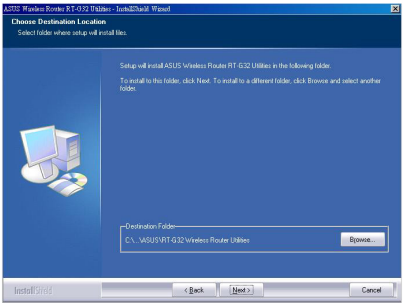
Pour installer les utilitaires :

1. Cliquez sur **Install...Utilities**.

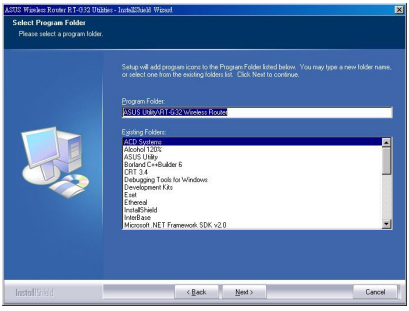
2. Cliquez sur **Suivant.**



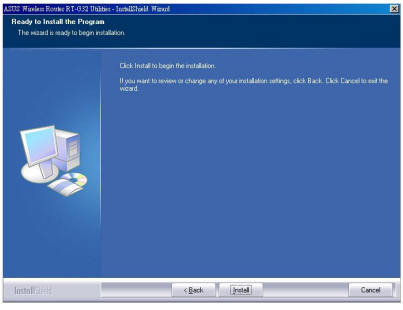
3. Cliquez sur **Suivant** pour utiliser le dossier de destination par défaut ou cliquez sur **Parcourir**.



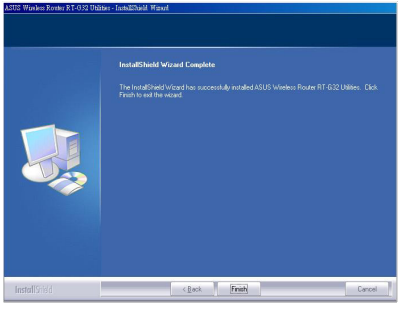
4. Cliquez sur **Next**



5. Cliquez sur **Install** (Installer) pour installer l'utilitaire.



5. Cliquez sur **Terminer** une fois l'installation effectuée.

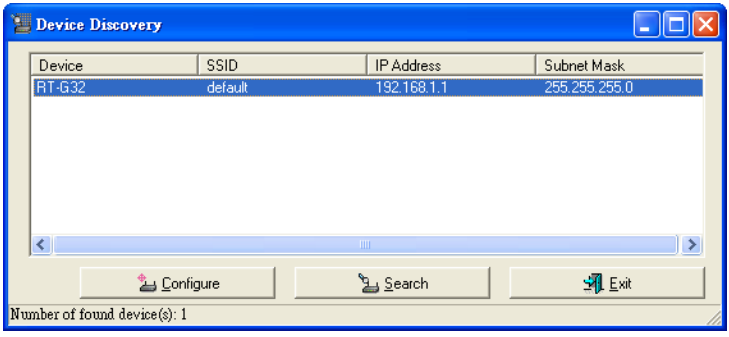


Device Discovery

Device Discovery est un utilitaire sans fil ASUS qui détecte les routeurs sans fil ASUS et permet de les configurer facilement.

Pour lancer l'utilitaire Device Discovery :

- Depuis le bureau de votre ordinateur, cliquez sur **Démarrer > Tous les programmes > > ASUS Utility > RT-G32 Wireless Router > Device Discovery**.



Restauration du Firmware

Cet utilitaire recherche automatiquement les routeurs sans fil ASUS dont la mise à niveau du firmware a échoué puis restaure ou charge le Firmware que vous avez spécifié. Le processus prend de 3 à 4 minutes.

N'UTILISEZ PAS cet utilitaire si vous ne rencontrez aucun des problèmes de firmware suivants : firmware corrompu, échec de la mise à jour ou crash du système.

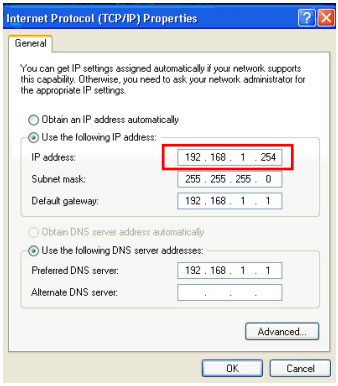
1. Téléchargez la dernière version du firmware depuis notre site web (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Décompressez le fichier de l'utilitaire, puis exécutez le fichier **Setup.exe**. Cliquez sur **Next** (Suivant) pour terminer l'installation.

Définir manuellement les adresses IP

Cliquez sur **Démarrer** > **Panneau de configuration** > **Connexions réseau**. Faites un clic droit sur l'icône **Connexion réseau local** puis sélectionnez **Propriétés**.

Définissez manuellement l'adresse IP (192.168.1.254).

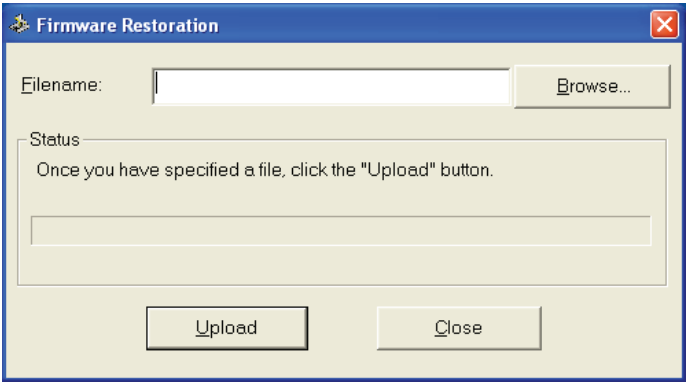
- Il est recommandé d'utiliser une connexion filaire pour la configuration initiale afin d'éviter des problèmes d'installation causés par l'instabilité du réseau sans fil.
- Assurez-vous que le pare-feu du PC soit désactivé.



3. Eteignez le routeur, maintenez enfoncé le bouton Reset puis rallumez le routeur. Le routeur entre en mode de secours lorsque la LED WAN se met à clignoter.

N'ETEIGNEZ PAS le routeur pendant la réinitialisation du routeur ou pendant la mise à jour du firmware ! Ceci pourrait entraîner des erreurs de démarrage !

4. Depuis le bureau de Windows®, cliquez sur > **Démarrer > Tous les programmes > > ASUS Utility > RT-G32 Wireless Router** > **Firmware Restoration**.
5. Cliquez sur **Browse** (Parcourir) pour choisir le fichier du firmware puis cliquez sur **Upload (Charger)**.



6. Une fois le firmware chargé, le routeur redémarre automatiquement.

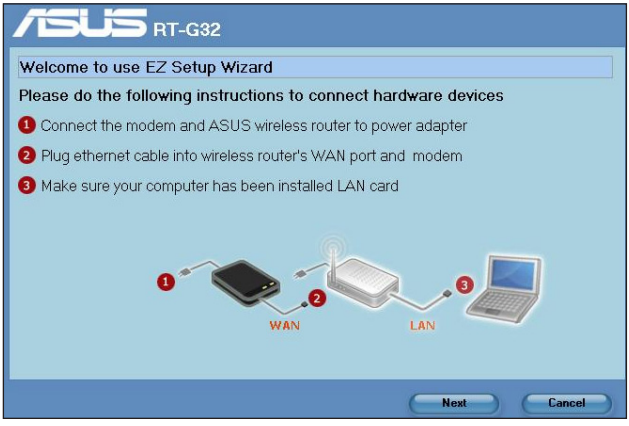
EZSetup

EZSetup est utilitaire supportant le Wi-Fi Protected Setup (WPS). Il vous permet de configurer rapidement un réseau sans fil sécurisé.

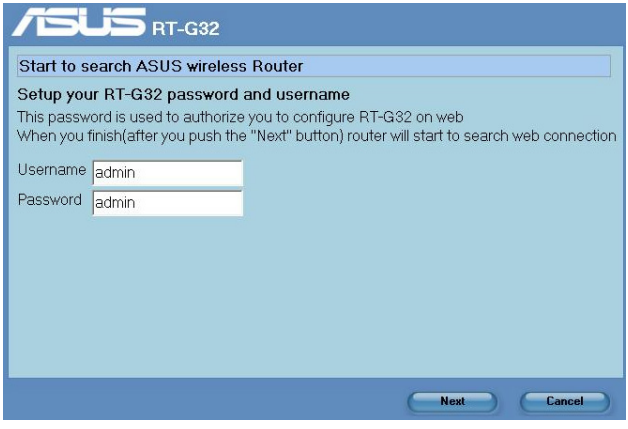
Avant d'installez EZSetup, assurez-vous que le RT-G32 soit connecté au modem ou au PC à l'aide d'un câble RJ45..

Pour utiliser EZSetup :

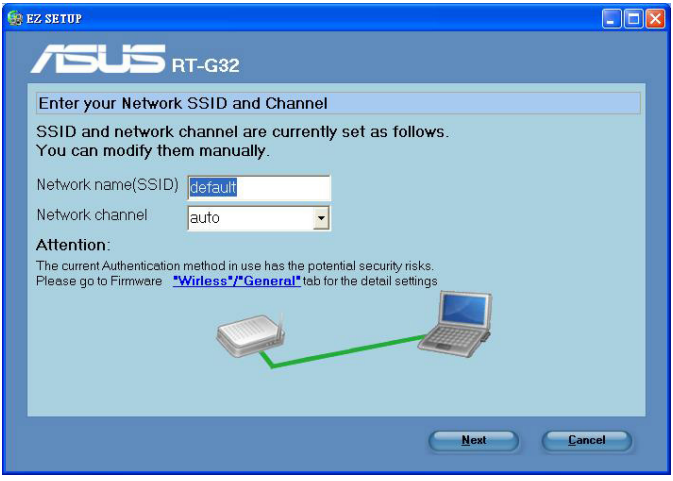
1. Suivez les instructions à l'écran pour configurer votre matériel, puis cliquez sur **Next**.



2. Saisissez votre nom d'utilisateur et mot de passe pour configurer votre routeur sans fil via l'interface Web. Une fois terminé, cliquez sur **Next**.



3. Une fois que le SSID du réseau est défini que le canal est connecté, cliquez sur **Next**.

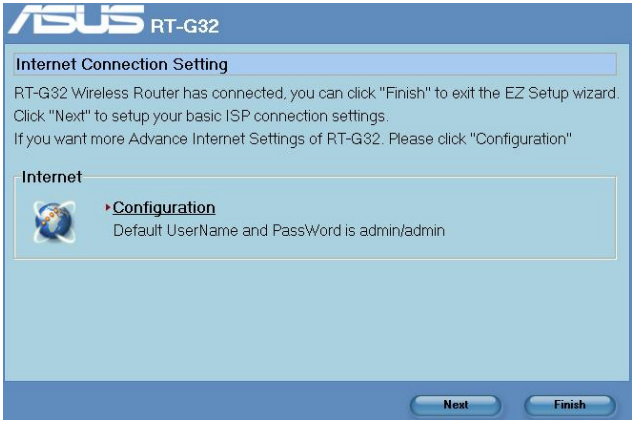


(connexion en cours)

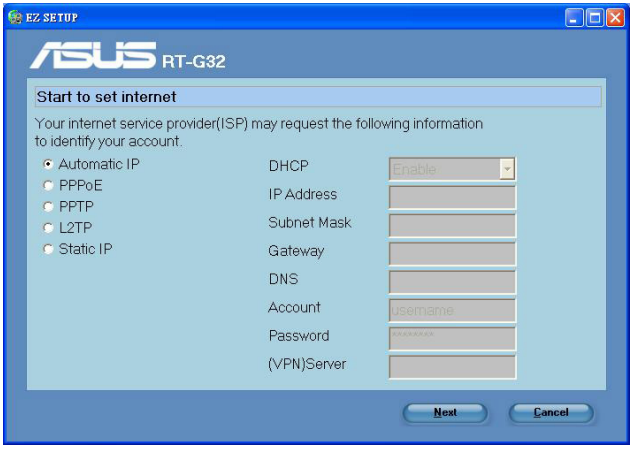
Si la connexion échoue, assurez-vous que les connexion sont correctes puis cliquez sur **Re-search** (Nouvelle recherche) pour détecter le routeur.

(Echec de la connexion)

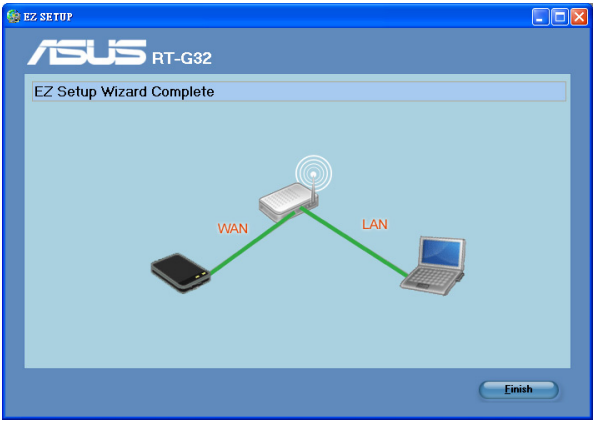
4. Cliquez sur **Next** pour configurer les paramètres de connexion de base de votre fournisseur d'accès à Internet. Cliquez sur **Finish** (Terminer) pour finir la configuration des paramètres réseaux.



5. Sélectionnez votre type de connexion dans la liste suivante : **Automatic IP (Adresse IP automatique)**, **PPPoE**, **PPTP**, **L2TP** et **Static IP (Adresse Ip statique)**. Saisissez les informations requises concernant votre fournisseur d'accès à Internet. Cliquez sur **Next** une fois terminé.



6. Une fois terminé, cliquez sur **Finish**.

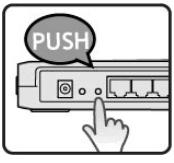


Bouton de configration rapide WPS

Lorsque vous connectez un PC ou un adaptateur sans fil (tel que le ASUS USB-N11 et PCI-G31) intégrant la fonction WPS, suivez les instructions suivantes pour activer WPS Quick setup.

1. Afin d'utiliser le WPS, assurez-vous que la fonction WPS du routeur RT-G32 soit activée et que le logiciel WPS de l'ordinateur soit activé.

2. Appuyez sur le bouton WPS situé sur l'arrière du routeur sans fil RT-G32.



3. La LED WLAN (réseau sans fil) du RT-G32 s'allume et clignote lentement lorsque la connexion WPS est établie.

6 Dépannage

Dépannage

Ce guide de dépannagevous fournit des solutions aux problèmes les plus fréquement rencontrés lors de l'utilisation du routeur sans fil ASUS. Ces problèmes nécessite un dépannage simple que vous pouvez effectuer par vous même. Contactez le service technique d'ASUS si vous rencontrez des problèmes non mentionnés dans ce chapitre.

Problème	Solution
Impossible d'accéder à un explorateur Web pour configurer le routeur.	1. Lancez votre navigateur Web, puis ouvrez la boîte de dialogue **"Options Internet"** du menu **Outils.** **2. Cliquez sur "Supprimer les Cookies" et "Supprimer les fichiers" dans Temporary Internet files.**
Le client ne peut pas établir de connexion sans fil avec le routeur.	**Hors de portée :** • Rapprochez le client du routeur. • Essayez d'autres paramètres de canaux. **Authentification :** • Utilisez une connexion filaire pour vous connecter au routeur. • Vérifiez les paramètres de sécurité sans fil, • Appuyez sur le bouton Restore situé sur l'arrère du routeur pendant plus de 5 secondes. **Impossible de trouver le routeur :** • Appuyez sur le bouton Restore situé sur l'arrère du routeur pendant plus de 5 secondes. • Vérifiez les paramètres SSID et de cryptage de l'adaptateur sans fil.

Problème	Solution
Impossible d'accéder à Internet via l'adaptateur sans fil	• Rapprochez le client du routeur. • Vérifiez que l'adaptateur sans fil est connecté au bon routeur sans fil. • Vérifiez que le canal sans fil que vous utilisez appartient aux canaux disponibles dans votre pays/région. • Vérifiez les paramètres de cryptage. • Vérifiez que le câble ADSL est relié au bon port. • Procédez au branchement via un autre câble Ethernet.
Internet n'est pas disponible	• Vérifiez les voyants lumineux du modem ADSL et du routeur sans fil. • Vérifiez l'état de la LED "WAN" du routeur. Si celle-ci n'est pas allumée, utilisez un autre câble réseau et réessayez.
Quand la LED "LINK" du modem ADSL est allumée, cela signifie qu'il est possible d'accéder à Internet.	• Redémarrez votre ordinateur. • Référez-vous au guide de configuration rapide du routeur et reconfigurez les paramètres. • Vérifiez que la LED WAN du routeur est allumée. • Vérifiez les paramètres de chiffrement sans fil. • Vérifiez si l'ordinateur peut obtenir une adresse IP (via un réseau Ethernet ou sans fil). • Vérifiez que votre navigateur Internet est configuré pour utiliser le réseau local, et non un serveur proxy.
Si la LED "LINK" du modem ADSL clignote ou reste éteinte en permanence, cela signifie alors qu'il n'est pas possible d'accéder à Internet - le routeur n'est pas en mesure d'établir une connexion au réseau ADSL.	• Vérifiez que les câbles sont correctement connectés. • Débranchez le câble d'alimentation du modem. Patientez quelques secondes, puis reconnectez le câble. • SI la LED ADSL clignote ou reste éteinte en permanence, contactez votre fournisseur d'accès ADSL.

Problème	Solution
Nom de réseau ou clé de cryptage oublié	• Essayez de configurer une connexion filaire et configurez à nouveau les paramètres de cryptage sans fil. • Appuyez sur le bouton Restore situé sur l'arrère du routeur pendant plus de 5 secondes.
Comment restaurer les paramètres par défaut du système	• Appuyez sur le bouton Restore situé sur l'arrère du routeur pendant plus de 5 secondes. • Référez-vous à la section **Restaurer les paramètres par défaut** du chapitre 3. Les éléments suivants sont les paramètres par défaut du routeur : **Nom d'utilisateur :** admin **Mot de passe :** admin **Enable DHCP (activer le service DHCP) :** Oui si un câble WAN est connecté) **Adresse IP :** 192.168.1.1 **Nom de Domaine :** (vide) **Masque de sous-réseau :** 255.255.255.0 **Serveur DNS 1 :** 192.168.1.1 **Serveur DNS 2 :** (vide) **SSID :** default

Appendice

Notes

Avertissement de la FCC

Cet appareil est conforme à l'alinéa 15 des règles établies par la Comission Fédérale des Communications (FCC). L'opération est sujette aux deux conditions suivantes :

- Ce dispositif ne peut causer d'interférence nuisible, et
- Ce dispositif se doit d'accepter toute interférence reçue, incluant toute interférence pouvant causer des résultats indesirés.

Cet équipement a été testé et s'est avéré être conforme aux limites établies pour un dispositif numérique de classe B, conformément à l'alinéa 15 des règles de la FCC.Ces limites sont conçues pour assurer une protection raisonnable contre les interférences nuisibles à une installation réseau.

Cet équipement génère, utilise et peut irradier de l'énergie à fréquence radio et, si non installé et utilisé selon les instructions du fabricant, peut causer une interférence nocive aux communications radio.Cependant, il n'est pas exclu qu'une interférence se produise lors d'une installation particulière. Si cet équipement cause une interférence nuisible au signal radio ou télévisé, ce qui peut-être déterminé par l'arrêt puis le réamorçage de celui-ci, l'utilisateur est encouragé à essayer de corriger l'interférence en s'aidant d'une ou plusieurs des mesures suivantes :

- Réorientez ou replacez l'antenne de réception.
- Augmentez l'espace de séparation entre l'équipement et le récepteur.
- Reliez l'équipement à une sortie sur un circuit différent de celui auquel le récepteur est relié.
- Consultez le revendeur ou un technicien spécialisé radio/TV pour de l'aide.

Attention ! Les changements ou les modifications apportés à cette unité qui n'ont pas expressément approuvés par la partie responsable de la conformité pourraient annuler l'autorité de l'utilisateur à manipuler cet équipement.

Exposition aux fréquence radio

Ce dispositif et son(ses) antenne(s) ne doivent pas être placé(s) ensemble ni opérer conjointement avec d'autres antennes ou émetteurs.

Informations de sécurité

Afin de se conformer aux directives de la FCC en matière d'exposition aux fréquences radio, cet appareil doit être installé et fonctionner en respectant une distance minimale de 20 cm entre le radiateur et votre corps. Veuillez utiliser uniquement l'antenne fournie.

Déclaration de conformité (R&TTE directive 1999/5/EC)

Les articles suivants ont été complétés et sont considérés pertinents et suffisants :

- Conditions essentielles telles que dans [Article 3]
- Conditions de protection pour la salubrité et la sûreté tels que dans [Article 3.1a]
- Test de la sécurité électrique en conformité avec [EN 60950]
- Conditions de protection pour la compatibilité électromagnétique dans [Article 3.1b]
- Test de la compatibilité électromagnétique dans [EN 301 489-1] & [EN 301]
- Tests en accord avec [489-17]
- Utilisation efficace du spectre des radiofréquences tel que dans [Article 3.2]
- Tests radio en accord avec [EN 300 328-2]

Marque CE

Ceci est un produit de classe B; dans un environnement domestique, ce produit peut causer des interférences radio, auquel cas l'utilisateur pourra être amené à prendre les mesure adéquates.

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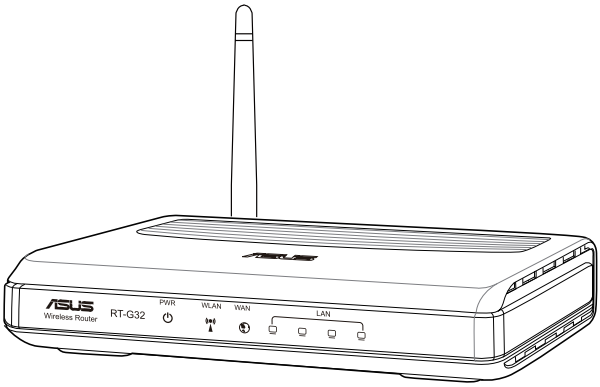
RT-G32
Wireless Router



Benutzerhandbuch

G4264

Erste Ausganbe
Januar 2009

Inhaltsverzeichnis

Inhaltsverzeichnis

Über diese Anleitung

Diese Benutzeranleitung enthält Informationen, die Sie benötigen, um den ASUS Wireless Router zu installieren und zu konfigurieren.

Wie ist diese Anleitung aufgebaut?

Diese Anleitung enthält folgende Abschnitte:

- **Kapitel 1: Kennenlernen Ihres Wireless Routers**
  Dieses Kapitel stellt Informationen über den Lieferumfang, die Systemanforderungen, die Hardware-Funktionen und die LED-Anzeigen des ASUS Wireless Routers zur Verfügung.

- **Kapitel 2: Einrichten der Hardware**
  In diesen Kapitel erfahren Sie, wie Sie den ASUS Wireless Router einrichten, konfigurieren und darauf zugreifen können.

- **Kapitel 3: Konfiguration der Netzwerk-Clients**
  Dieses Kapitel bietet Ihnen Anleitungen zur Einrichtung der Clients in Ihrem Netzwerk zur Verfügung, damit diese mit Ihren ASUS Wireless Router zusammenarbeiten können.

- **Kapitel 4: Konfiguration über die grafische Web-Schnittstelle**

  In diesen Kapitel erfahren Sie, wie Sie den ASUS Wireless Router über die grafische Web-Schnittstelle konfigurieren können.

- **Kapitel 5: Installieren der Programme**

  In diesen Kapitel erfahren Sie, wie Sie die Programme, die auf der Support-CD zur Verfügung gestellt werden, installieren können.

- **Kapitel 6: Fehlerbehandlung**

  In diesen Kapitel erfahren Sie, wie Sie bekannte Probleme lösen können, die bei der Installation des ASUS Wireless Routers auftreten können.

- **Anhang**

  In diesen Kapitel finden Sie die behördlichen Hinweise und Sicherheitserklärungen.

Im Handbuch verwendete Symbole

WARNUNG: Informationen zur Verhinderung von Verletzungen bei der Fertigstellung einer Aufgabe.

VORSICHT: Informationen zur Verhinderung von Schäden an den Komponenten bei der Fertigstellung einer Aufgabe.

WICHTIG: Anweisungen denen Sie folgen MÜSSEN, um eine Aufgabe fertigzustellen.

HINWEIS: Tipps und zusätzliche Informationen, die helfen ein Aufgabe fertigzustellen.

1 Kennenlernen Ihres Wireless Routers

Lieferumfang

Überprüfen Sie die die Verpackung Ihres ASUS Wireless Routers auf folgenden Inhalt.

- ☑ RT-G32 Wireless Router
- ☑ Netzteil
- ☑ Support-CD (Handbuch, Programme)
- ☑ RJ45-Kabel
- ☑ Schnellstartanleitung

Hinweis: Wenn ein Teil fehlt oder beschädigt ist, kontaktieren Sie bitte sofort Ihren Händler.

Systemanforderungen

Bevor Sie den ASUS Wireless Router installieren, vergewissern Sie sich, dass Ihr System/Netzwerk folgende Anforderungen erfüllt:

- Ein Ethernet RJ-45-Anschluss (10Base-T/100Base-TX)
- Mindestens ein IEEE 802.11b/g-Gerät mit Wireless-Fähigkeiten
- Installiertes TCP/IP und ein Webbrowser
- Dieses Programm unterstützt Internet Explorer 6.0 oder neuere Versionen.

Bevor Sie fortfahren

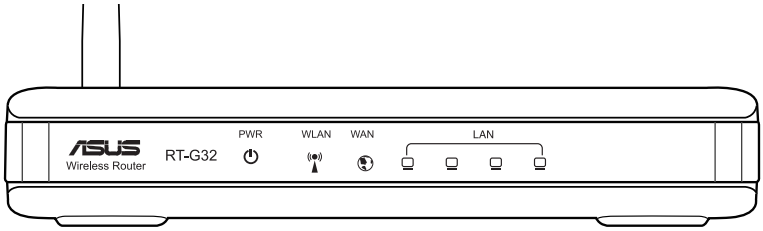
Beachten Sie die folgenden Richtlinien, bevor Sie den ASUS Wireless Router installieren:

- Die Länge des Ethernet-Kabels zur Verbindung des Gerätes mit einem Netzwerk (Hub, DSL/Kabelmodem, Router) darf 100 Meter nicht überschreiten.
- Stellen Sie das Gerät auf eine stabile ebene Oberfläche, so weit vom Boden entfernt wie möglich.
- Halten Sie das Gerät vor direktem Sonnenlicht und metallischen Hindernissen fern.
- Stellen Sie das gerät nicht in der Nähe von Transformatoren, großen Elektromotoren, fluoreszierenden Lichtquellen, Mikrowellenöfen, Kühlschränken und industrieller Ausrüstung auf, um die Signalqualität nicht zu beeinträchtigen.

- Installieren Sie das Gerät an einem zentralen Ort, um eine optimale Abdeckung für alle mobilen geräte zu erreichen.
- Installieren Sie das Gerät mindestens 20 cm von Personen entfernt, um zu gewährleisten, dass es in Übereinstimmung mit den FCC-Funkrichtlinien zur Aussetzung von Personen zu Funkstrahlung arbeitet.

Hardware-Funktionen

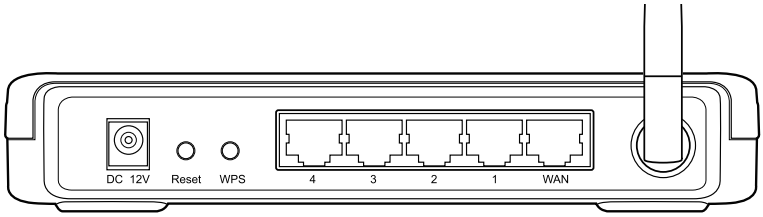
Frontseite



Statusanzeigen

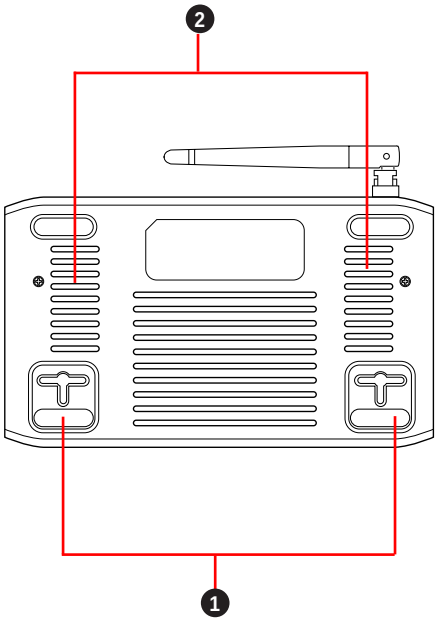
LED	Status	Beschreibung
⏻ (Strom)	Aus	Keine Stromversorgung
	Ein	System bereit
WLAN (Wireless LAN)	Aus	Kein Strom
	Ein	Wireless-System bereit
	Blinkend	Daten werden drahtlos gesendet oder empfangen
LAN 1-4 (Local Area Network)	Aus	Kein Strom oder keine physische Verbindung vorhanden
	Ein	Physische Verbindung zu einem Ethernet-Netzwerk besteht
	Blinkend	Daten werden über das Ethernet-Kabel gesendet oder empfangen
WAN (Wide Area Network)	Aus	Kein Strom oder keine physische Verbindung vorhanden
	Ein	Physische Verbindung zu einem Ethernet-Netzwerk besteht
	Blinkend	Daten werden über das Ethernet-Kabel gesendet oder empfangen

Rückseite



Beschriftung	Beschreibung
ANTENNA	Richten Sie für besseren Signalempfang die Antenne manuell aus.
WPS	Das Drücken dieser Taste startet Wi-Fi Protected Setup (WPS).
Reset	Für 3 Sekunden drücken, um die Werkseinstellungen wiederherzustellen.
WAN	Anschluss für ein RJ-45 Ethernet-Kabel, um eine WAN-Verbindung herzustellen.
LAN1-LAN4	Anschlüsse für RJ-45 Ethernet-Kabel, um LAN-Verbindungen herzustellen.
DC 12V	Anschluss für das Netzteil zur Stromversorgung Ihres Routers.

Unterseite



Element	Beschreibung
1	**Befestigungshaken** Mit diesen Befestigungshaken können Sie den Router an einer Wand mittels zweier Schrauben aufhängen.
2	**Lüftungsöffnungen** Diese Lüftungsöffnungen bieten eine Belüftung des Routers.

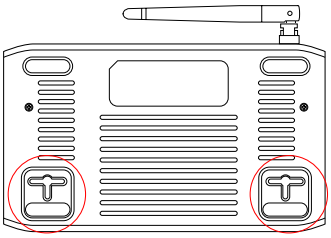
Hinweis: Für Details zur Befestigung des Routers an einer Wand oder der Decke beziehen Sie sich bitte auf den Abschnitt **Befestigungsoptionen** auf der nächsten Seite dieses Handbuches.

Befestigungsoptionen

Der ASUS Wireless Router wurde entwickelt, um direkt aus der Verpackung heraus auf einer erhöhten Oberfläche, wie z.B. Schrank, Regal, aufgestellt werden zu können. Das Gerät kann auch für die Wand- oder Deckenmontage eingesetzt werden.

So befestigen Sie den ASUS Wireless Router:

1. Suchen Sie an der Unterseite die beiden Befestigungshaken.
2. Markieren Sie die beiden oberen Löcher auf der zu befestigten Oberfläche.
3. Drehen Sie zwei Schauben hinein, bis nur noch 1/4 der Länge herausschaut.
4. Hängen Sie den ASUS Wireless Router mit den befestigungshaken in die Schrauben ein.



Hinweis: Richten Sie die Schrauben neu aus, wenn Sie den ASUS Wireless Router nicht einhängen können oder er zu locker hängt.

2 Einrichten der Hardware

Einrichten des Wireless-Routers

Der ASUS Wireless Router kann mit der richtigen Konfiguration für die verscheidensten Arbeitsszenarien eingesetzt werden. Sie müssen ggf. die Standardeinstellungen des Routers verändern, um den Anforderungen Ihres Wireless-Netzwerks gerecht zu werden. Der Router bietet Ihnen auch EZSetup, ein Hilfsprogramm mit dem Sie ganz einfach ein sicheres Wireless-Netzwerk einrichten können.

Hinweis:

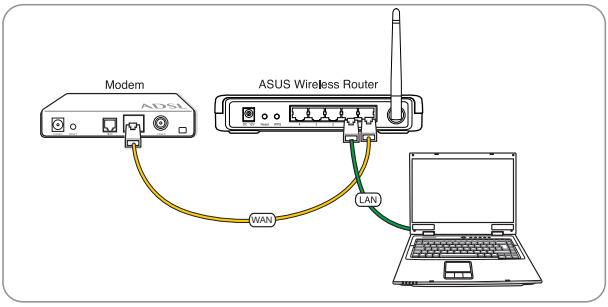
- Für mehr Details über EZSetup beziehen Sie sich bitte auf den Abschnitt **EZSetup** in Kapitel 5 dieses Handbuches.

Einrichten einer Kabelverbindung

Der ASUS Wireless Router wird zusammen mit einem Ethernet-Kabel geliefert. Der Wireless Router besitzt eine integrierte automatische Crossover-Funktion. Dadurch können Sie für eine Kabelverbindung entweder gerade durchgeführte oder Crossover-(gekreuzte) Kabel verwenden.

So richten Sie eine Kabelverindung ein:

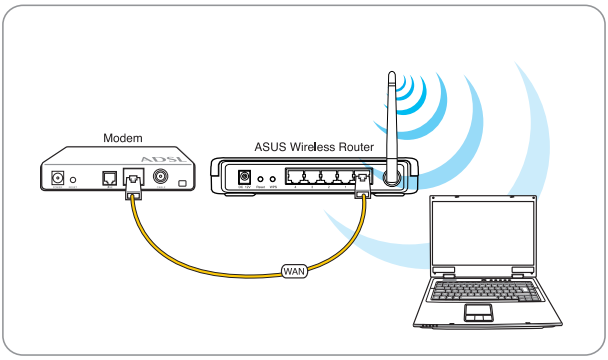
1. Schalten Sie Ihren Router und das Modem ein.
2. Benutzen Sie ein Ethernet-Kabel, um den WAN-Port des Routers mit dem Modem zu verbinden.
3. Benutzen Sie ein anderes Ethernet-Kabel, um den LAN-Port des Routers mit den LAN-Port Ihres PCs zu verbinden.



Einrichten einer Wireless-Verbindung

So richten Sie eine Wireless-Verbindung ein:

1. Schalten Sie Ihren Router und das Modem ein.
2. Benutzen Sie ein Ethernet-Kabel, um den WAN-Port des Routers mit dem Modem zu verbinden.
3. Verbinden Sie sich mit einer IEEE 802.11b/g-kompatible WLAN-Karte. Beziehen Sie sich auf das Handbuch des Wireless-Adapters für die ordnungsgemäße Wireless-Verbindungsprozedur. Standardmäßig lautet die SSID des ASUS Wireless Routers “default” (klein geschrieben), die Verschlüsselung ist deaktiviert und es wird eine offene Authentifikation verwendet.



Konfiguration des Wireless Routers

Der ASUS Wireless Router besitzt eine grafische Web-benutzerschnittstelle (Web GUI), mir deren Hilfe Sie über einen Webbrowser auf Ihren Wireless Router konfigurieren können.

Benutzen der Web-GUI

Wenn Ihr PC über ein Kabel mit Ihrem Router verbunden ist, starten Sie einen Webbrowser und es erscheint daraufhin Automatisch die Anmeldeseite der Web-GUI des Routers.

Wenn Ihr PC drahtlos mit Ihrem Router verbunden ist, müssen Sie zuerst das Netzwerk auswählen.

So wählen Sie das Netzwerk aus:

1. Klicken Sie auf **Start** > **Systemsteuerung** > **Netzwerkverbindungen** > **Drahtlosnetzwerkverbindungen**.
2. Wählen Sie ein Netzwerk aus dem Fenster **Drahtlosnetzwerk auswählen** aus und warten Sie auf die Verbindung.

Hinweis: Standardmäßig ist die SSID des Wireless Routers **default**. Verbinden Sie sich mit dieser SSID.

3. Starten Sie Ihren Webbrowser nach dem Herstellen einer Wireless-Verbindung.

Hinweise:

- Sie können die Standard-IP-Adresse des Routers (**192.168.1.1**) auch manuell in die Adresszeile des Webbrowsers eingeben, um die Web-Schnittstelle zu öffen.
- Weitere Details zum Konfigurieren des drahtlosen Routers über die webbasierte Benutzeroberfläche finden Sie in **Kapitel 4: Konfigurieren über die webbasierte grafische Benutzeroberfläche**.

3 Konfigurieren der Netzwerk-Clients

Zugreifen auf den drahtlosen Router

Einstellen einer IP-Adresse für einen verdrahteten oder drahtlos verbundenen Client

Die verdrahteten oder drahtlos verbundenen Clients müssen die richtigen TCP/IP-Einstellungen haben, um auf den drahtlosen Router von ASUS zuzugreifen. Stellen Sie sicher, dass die Clients und der drahtlose Router von ASUS dasselbe IP-Subnetz haben.

In der Standardeinstellung benutzt der drahtlose Router von ASUS die DHCP-Serverfunktion, die automatisch den Clients in Ihrem Netzwerk IP-Adressen zuweist.

Dennoch mögen Sie vielleicht in manchen Fällen manuell bestimmten Client-Geräten bzw. Computern in Ihrem Netzwerk statische IP-Adressen zuweisen, statt die Geräte automatisch IP-Adressen von dem drahtlosen Router beziehen zu lassen.

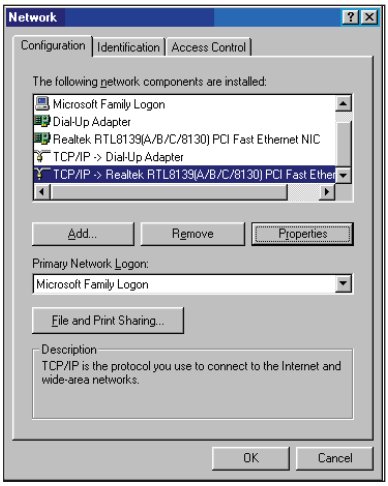
Folgen Sie den entsprechenden Anweisungen je nach dem Betriebssystem Ihres Client-Gerätes bzw. Computers.

Hinweis: Falls Sie manuell Ihrem Client-Gerät eine IP-Adresse zuweisen möchten, empfehlen wir Ihnen die folgenden Einstellungen zu verwenden:

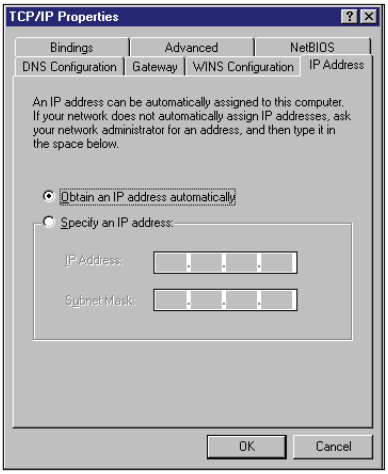
- **IP-Adresse**: 192.168.1.xxx (xxx kann eine beliebige Zahl zwischen 2 und 254 sein. Stellen Sie sicher, dass die IP-Adresse nicht von einem Gerät verwendet wird.)
- **Subnetzmaske**: 255.255.255.0 (wie die des drahtlosen Routers von ASUS)
- **Gateway**: 192.168.1.1 (IP-Adresse des drahtlosen Routers von ASUS)
- **DNS**: 192.168.1.1 (IP-Adresse des drahtlosen Routers von ASUS), oder geben Sie einen bekannten DNS-Server in Ihrem Netzwerk an

Windows® 9x/ME

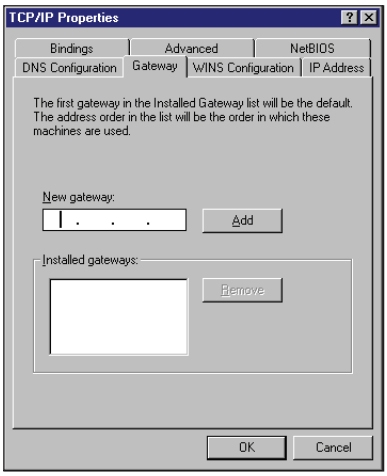
1. Klicken Sie auf **Start > Control Panel (Systemsteuerung) > Network (Netzwerk)**, um das Netzwerkeinstellungsfenster zu öffnen.
2. Wählen Sie **TCP/IP** und klicken anschließend auf **Properties (Eigenschaften)**.



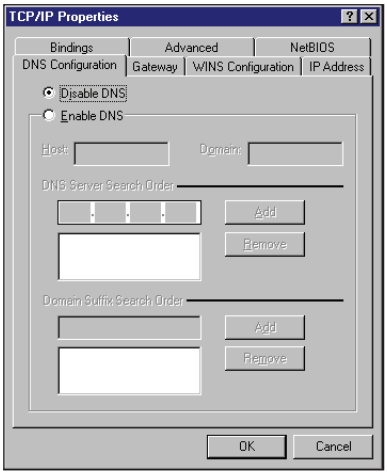
3. Möchten Sie den Computer automatisch eine IP-Adresse beziehen lassen, dann klicken Sie bitte auf **Obtain an IP address automatically (IP-Adresse automatisch beziehen)** und dann auf „OK“. Klicken Sie ansonsten auf **Specify an IP address (IP-Adresse angeben)** und geben die entsprechenden Daten in die Felder **IP address (IP-Adresse)** und **Subnet Mask (Subnetzmaske)** ein.



4. Öffnen Sie die Registerkarte **Gateway**, füllen das Feld **New gateway (Neuer Gateway)** aus und klicken anschließend auf **Add (Hinzufügen)**.

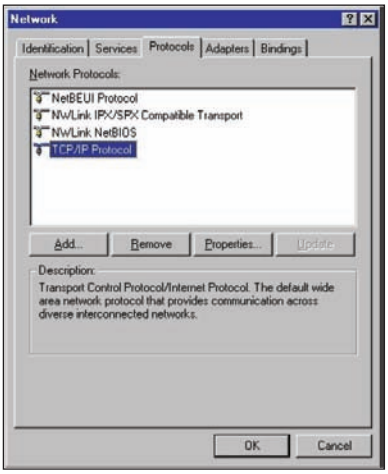


5. Öffnen Sie die Registerkarte **DNS configuration (DNS-Konfiguration)** und klicken auf **Enable DNS (DNS aktivieren)**. Füllen Sie die Felder **Host**, **Domain** und **DNS Server Search Order (DNS-Server Suchordner)** aus und klicken anschließend auf **Add (Hinzufügen)**.
6. Klicken Sie auf **OK**.

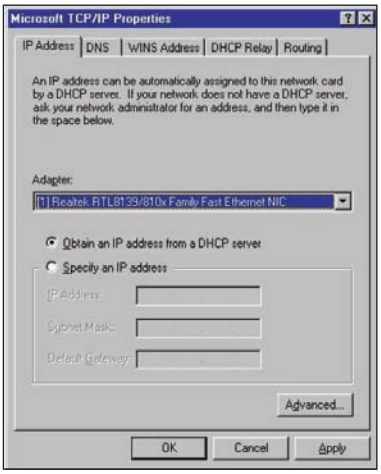


Windows® NT4.0

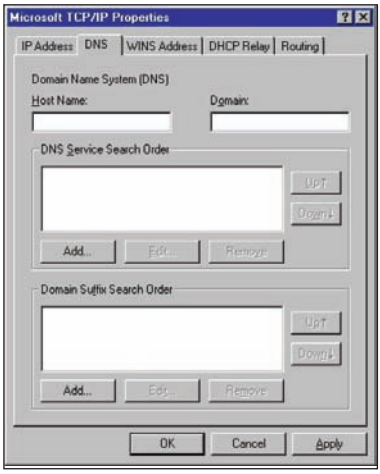
1. Klicken Sie auf **Control Panel (Systemsteuerung) > Network (Netzwerk)**, um das Netzwerkeinstellungsfenster zu öffnen. Öffnen Sie anschließend die Registerkarte **Protocols (Protokolle)**.
2. Wählen Sie **TCP/IP Protocol (TCP/IP-Protokoll)** aus der Netzwerkprotokollliste aus und klicken anschließend auf **Properties (Eigenschaften)**.



3. Auf der Registerkarte „IP-Adresse“ auf dem Fenster „Microsoft TCP/IP-Eigenschaften“ können Sie Folgendes vornehmen:
   - Den Typ des im System installierten Netzwerkadapters wählen.
   - Den Router dazu veranlassen, automatisch IP-Adressen zuzuweisen.
   - Die IP-Adresse, Subnetzmaske und den Standardgateway manuell einstellen.

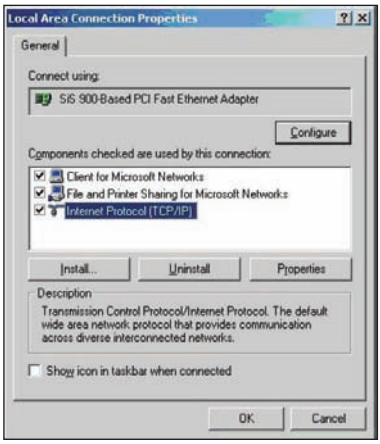


4. Öffnen Sie die Registerkarte **DNS** und klicken auf **Add (Hinzufügen)** unter **DNS Service Search Order (DNS-Dienst Suchordner)**. Geben Sie den DNS an.

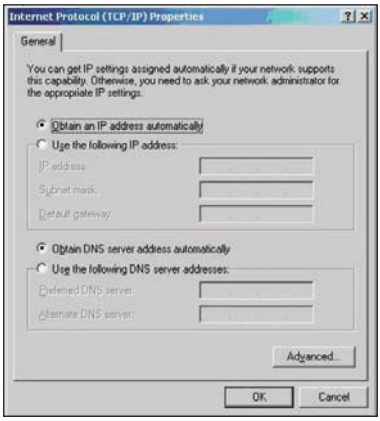


Windows® 2000

1. Klicken Sie auf **Start > Control Panel (Systemsteuerung) > Network and Dial-up Connection (Netzwerk- und DFÜ-Verbindungen)**. Rechtsklicken Sie auf **Local Area Connection (LAN-Verbindung)** und klicken anschließend auf **Properties (Eigenschaften)**.

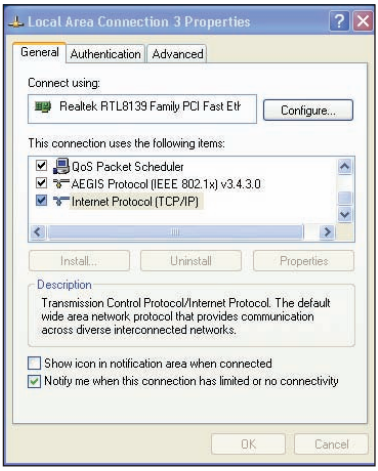


2. Wählen Sie **Internet Protocol (Internetprotokoll) (TCP/IP)** und klicken anschließend auf **Properties (Eigenschaften)**.
3. Möchten Sie die IP-Einstellungen automatisch zuweisen lassen, dann klicken Sie bitte auf **Obtain an IP address automatically (IP-Adresse automatisch beziehen)**. Klicken Sie ansonsten auf **Use the following IP address (Folgende IP-Adresse verwenden)** und geben die entsprechenden Daten in die Felder **IP address (IP-Adresse)**, **Subnet mask (Subnetzmaske)**, und **Default gateway** (**Standardgateway)** ein.
4. Möchten Sie die DNS-Servereinstellungen automatisch zuweisen lassen, dann klicken Sie bitte auf **Obtain an IP address automatically (DNS-Serveradresse automatisch beziehen)**. Klicken Sie ansonsten auf **Use the following IP address (Folgende IP-Adresse verwenden)** und geben den **Preferred (Bevorzugten)** und **Alternate DNS server (Alternativen DNS-Server)** an.
5. Klicken Sie auf **OK**, wenn Sie mit der Einstellung fertig sind.

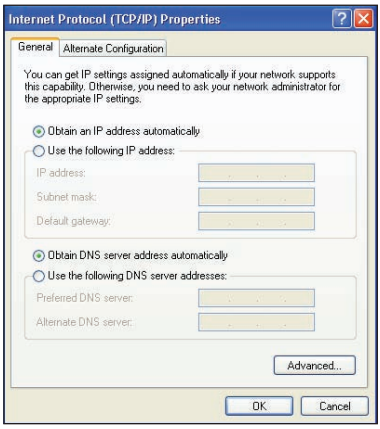


Windows® XP

1. Klicken Sie auf **Start > Control Panel (Systemsteuerung) > Network and Dial-up Connection (Netzwerk- und DFÜ-Verbindungen)**. Rechtsklicken Sie auf **Local Area Connection (LAN-Verbindung)** und wählen anschließend .
2. Wählen Sie **Internet Protocol (Internetprotokoll) (TCP/IP)** und klicken anschließend auf **Properties (Eigenschaften)**.



3. Möchten Sie die IP-Einstellungen automatisch zuweisen lassen, dann klicken Sie bitte auf **Obtain an IP address automatically (IP-Adresse automatisch beziehen)**. Klicken Sie ansonsten auf **Use the following IP address (Folgende IP-Adresse verwenden)** und geben die entsprechenden Daten in die Felder **IP address (IP-Adresse)**, **Subnet mask (Subnetzmaske)**, und **Default gateway (Standardgateway)** ein.
4. Möchten Sie die DNS-Servereinstellungen automatisch zuweisen lassen, dann klicken Sie bitte auf **Obtain DNS server address automatically (DNS-Serveradresse automatisch beziehen)**. Klicken Sie ansonsten auf **Use the following DNS server addresses (Folgende DNS-Serveradresse verwenden)** und geben den **Preferred and Alternate DNS server (Bevorzugten und Alternativen DNS-Server)** an.
5. Klicken Sie auf **OK**, wenn Sie mit der Einstellung fertig sind.



4 Konfigurieren über die webbasierte grafische Benutzeroberfläche

Konfigurieren über die webbasierte grafische Benutzeroberfläche

Die webbasierte grafische Benutzeroberfläche des Routers bietet die folgenden Hauptfunktionen: **Network Map (Netzwerkübersicht)**, **UPnP Media Server (UPnP-Medienserver)**, **AiDisk**, und **EZQoS Bandwidth Management (EZQoS-Bandbreitenverwaltung).**

So nehmen Sie die Konfiguration über die webbasierte grafische Benutzeroberfläche vor:

1. Starten Sie nach dem Einrichten einer verdrahteten oder drahtlosen Verbindung einen Webbrowser. Die Anmeldeseite wird automatisch geöffnet.

Hinweis: Sie können ebenfalls manuell die vorgegebene IP-Adresse des Routers (**192.168.1.1**) eingeben, um die webbasierte Benutzeroberfläche des Routers zu öffnen.

2. Geben Sie den vorgegebenen Benutzernamen **(admin)** und das Kennwort **(admin)** ein **(admin**).
3. Klicken Sie auf der Hauptseite das Navigationsmenü oder die Links an, um verschiedene Funktionen des drahtlosen Routers von ASUS zu konfigurieren.

Konfigurieren der Einstellungen

Hier können Sie die Einstellungen für Ihren Router und Ihr Netzwerk konfigurieren. Konfigurierbare Einstellungen sind: **Wireless**, **LAN**, **WAN**, **Firewall**, **Administration**, und **System Log**.

So öffnen Sie die Einstellungsseite:

- Klicken Sie im Navigationsmenü auf der linken Seite auf **Setting**.

Aktualisieren der Firmware

Hinweis: Laden Sie die neueste Firmware von der ASUS-Website unter **http://www.asus.com** herunter

So aktualisieren Sie die Firmware:

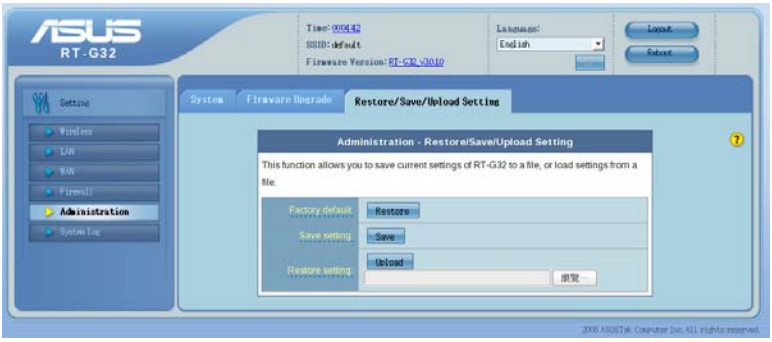
1. Klicken Sie auf **Setting (Einstellungen)** im Navigationsmenü auf der linken Seite.
2. Klicken Sie auf **Firmware Upgrade (Firmware aktualisieren)** im Menü **Administration**.
3. Klicken Sie auf **Browse (Durchsuchen)** im Feld **New Firmware File (Neue Firmwaredatei)**.
4. Klicken Sie auf **Upload (Hochladen)**. Der Upload-Vorgang kann ca. drei Minuten dauern.

Hinweis: Falls der Aktualisierungsvorgang misslungen ist, wechselt der drahtlose Router automatisch in den Not- bzw. Fehlermodus und die Betriebs-LED-Anzeige an der Vorderseite blinkt langsam. Verwenden Sie das Firmwarewiederherstellungs-Hilfsprogramm, um das System wiederherzustellen. Weitere Details zu diesem Hilfsprogramm finden Sie im Abschnitt **Firmware Restoration** in Kapitel 5 dieser Gebrauchsanleitung.

Wiederherstellen/Speichern/Uploaden der Einstellungen

So werden die Einstellungen wiederhergestellt/gespeichert/hochgeladen:

1. Klicken Sie auf **Advanced Setting** (**Erweiterte Einstellungen)** im Navigationsmenü auf der linken Seite.
2. Klicken Sie auf **Restore/Save/Upload Setting (Einstellungen wiederherstellen/ speichern/hochladen)** im Menü **Administration**.



3. Wählen Sie die Aufgaben, die Sie vornehmen möchten:
   - Um die werkseitigen Standardeinstellungen wiederherzustellen, klicken Sie auf **Restore (Wiederherstellen)** und dann auf **OK** auf dem Bestätigungsaufforderungsfenster.
   - Um die aktuellen Systemeinstellungen zu speichern, klicken Sie auf **Save (Speichern)**. Klicken Sie anschließend auf **Save (Speichern)** auf dem Dateidownload-Fenster, um die Systemdatei unter dem gewünschten Ordner zu speichern.
   - Um die vorherigen Systemeinstellungen wiederherzustellen, klicken Sie auf **Browse (Durchsuchen)**, um die wiederherzustellende Systemdatei zu suchen. Klicken Sie anschließend auf **Upload (hochladen)**.

5 Installieren der Hilfsprogramme

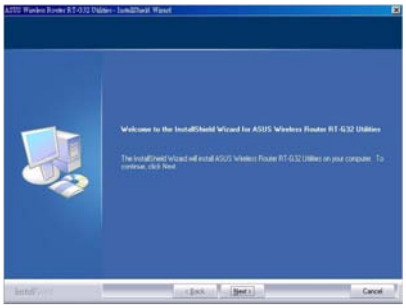
Installieren der Hilfsprogramme

Die Unterstützungs-CD enthält Hilfsprogramme zum Konfigurieren des drahtlosen Routers von ASUS. Legen Sie die Unterstützungs-CD in Ihr optisches Laufwerk ein, um die ASUS WLAN-Hilfsprogramme unter Microsoft® Windows zu installieren. Falls die Autorun-Funktion deaktiviert ist, führen Sie bitte die Datei **setup.exe** im Stammordner auf der Unterstützungs-CD aus.

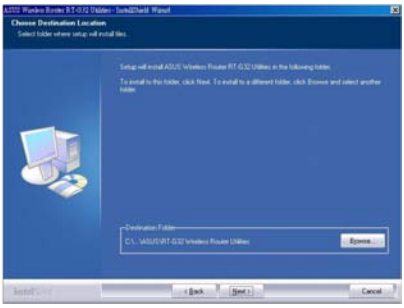
So installieren Sie die Hilfsprogramme:

1. Klicken Sie auf **Install...ASUS Wireless Router Utilities (ASUS Wireless Router... installieren).**

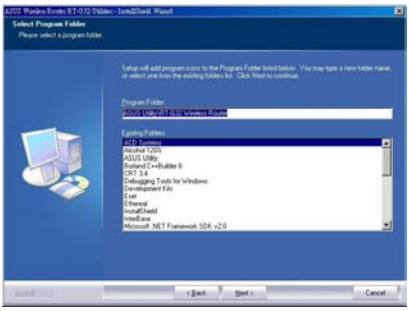
2. Klicken Sie auf **Next (Weiter).**



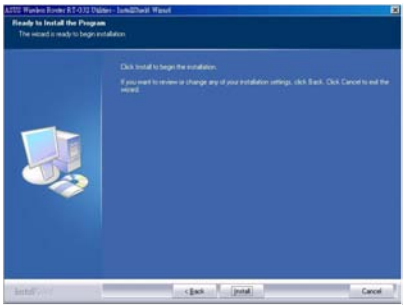
3. Klicken Sie auf **Next (Weiter)**, um den vorgegebenen Zielordner anzunehmen. Oder klicken Sie auf **Browse (Durchsuchen)**, um einen anderen Ordner anzugeben.



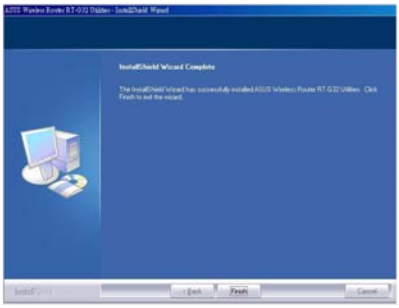
4. Klicken Sie auf **Next (Weiter)**.



5. Klicken Sie auf **Install (Installieren)**, um das Hilfsprogramm zu installieren.



6. Klicken Sie auf **Finish (Fertig stellen)**, wenn die Einstellung fertig gestellt wurde.

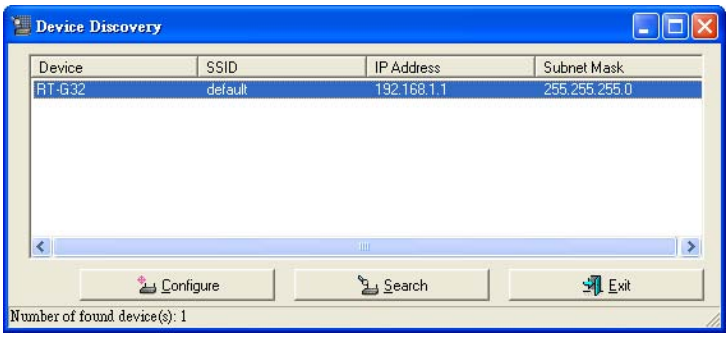


Device Discovery (Geräteerkennung)

Device Discovery ist eines der ASUS WLAN-Hilfsprogramme, das einen drahtlosen Router von ASUS erkennen kann und Ihnen das Gerät zu konfigurieren erlaubt.

So starten Sie das Hilfsprogramm Device Discovery:

- Klicken Sie auf **Start > Alle Programme > ASUS Utility > RT-G32 Wireless Router > Device Discovery**.



Firmware Restoration

Firmware Restoration ist ein Hilfsprogramm, das nach einem drahtlosen Router von ASUS, der während eines Firmwareaktualisierungsvorgangs ausgefallen ist, sucht und die von Ihnen angegebene Firmare wiederherstellt bzw. neu hochlädt. Der Vorgang kann drei bis vier Minuten dauern.

Benutzen Sie das Programm **NICHT**, es sei denn, Sie entdecken eine unnormale Situation, z.B. defekte Firmware, Aktualisierungsfehler oder Systemabsturz.

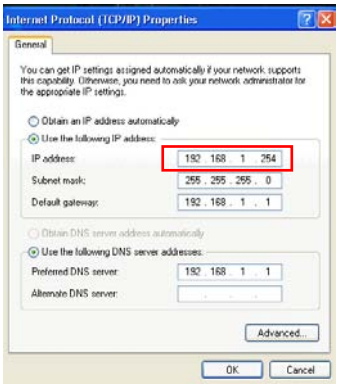
1. Laden Sie die neuste Firmware- und Programmversion von unserer Webseite unter: http://support.asus.com/download/download.aspx?SLanguage=en-us herunter.
2. Entpacken Sie die Programmdatei und führen Sie dann die Datei **Setup.exe** aus. Klicken Sie auf **Next (Weiter)**, um die Installation fertigzustellen.

IP-Adresse manuell einstellen

Klicken Sie auf **Start** > **Systemsteuerung** > **Netzwerkverbindungen**. Rechtsklicken Sie auf **Local Area Connection** und wählen Sie **Eigenschaften**.

Stellen Sie die IP-Adresse manuell ein (192.168.1.254).

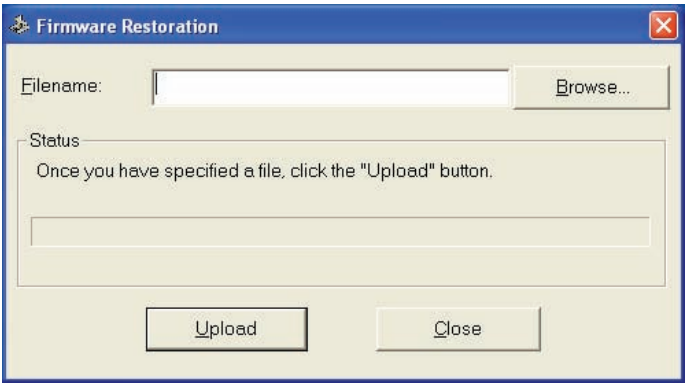
- Wir empfehlen, dass Sie eine Kabelverbindung benutzen, wenn Sie die IP-Adresse einstellen, um eine ideale Umgebung für Ihre Übertragung zu erhalten.
- Vergewissern Sie sich, dass die Firewall Ihres PCs deaktiviert ist.



3. Schalten Sie den Wireless Router aus, drücken und halten Sie die Reset-Taste und schalten Sie den Wireless Router wieder ein. Das Wireless-Gerät begibt sich in den Rettungsmodus, wenn die WLAN-LED blinkt.

Schalten Sie das Gerät **NICHT** aus und drücken Sie **NICHT** die Reset-Taste, während die Firmware aktualisiert wird, dies kann zu Systemstartfehlern führen!

4. Klicken Sie auf > **Start** > **Alle Programme** > **ASUS Utility** > **RT-G32 Wireless Router** > **Firmware Restoration**.
5. Klicken Sie auf **Browse** (**Durchsuchen)**, um die Firmeware-Datei auszuwählen und klicken Sie dann auf **Upload**.



6. Nach der erfolgreichen Firmeware-Aktualisierung startet das Gerät automatisch neu.

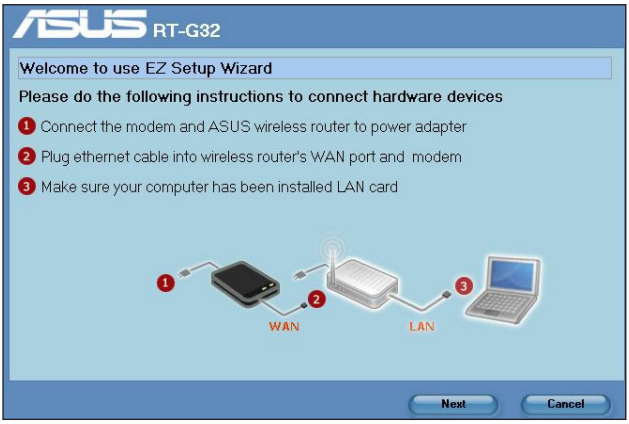
EZSetup

EZSetup ist ein Programm mit dem Sie Ihr Wireless-Netzwerk einfach einrichten können

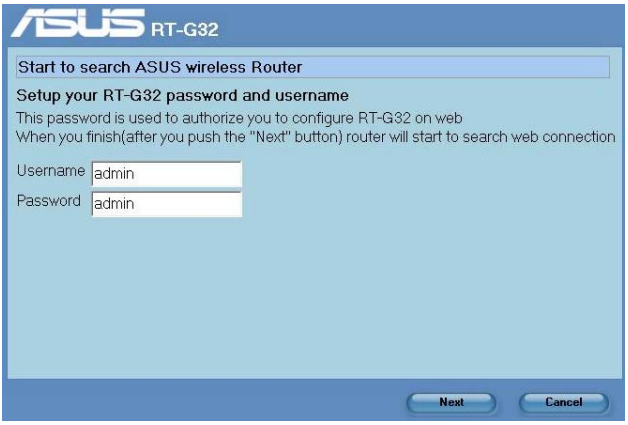
Bevor Sie EZSetup installieren, vergewissern Sie sich, dass Ihr RT-G32 über ein RJ45-Kabel mit einem PC oder Modem verbunden ist..

So benutzen Sie EZSetup:

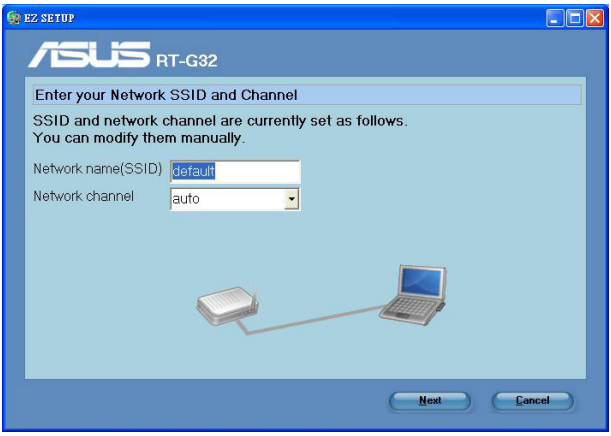
1. Befolgen Sie die Anweisungen auf dem Bildschirm und verbinden Sie Ihre Geräte. Wenn Sie damit fertig sind, klicken Sie auf **Next (Weiter)**.



2. Geben Sie den Benutzernamen und das Passwort ein, um den Wireless Ruter über das Netzwerk zu konfigurieren. Klicken Sie auf **Next (Weiter)**, wenn Sie fertig sind.

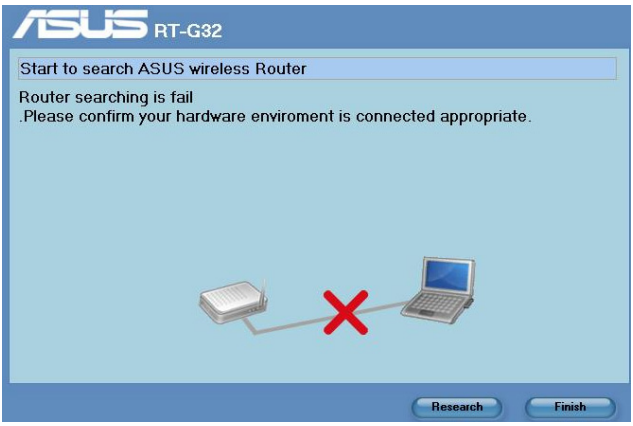


3. After setting up the network SSID and channel are connected, click **Next** to continue.



(Verbunden)

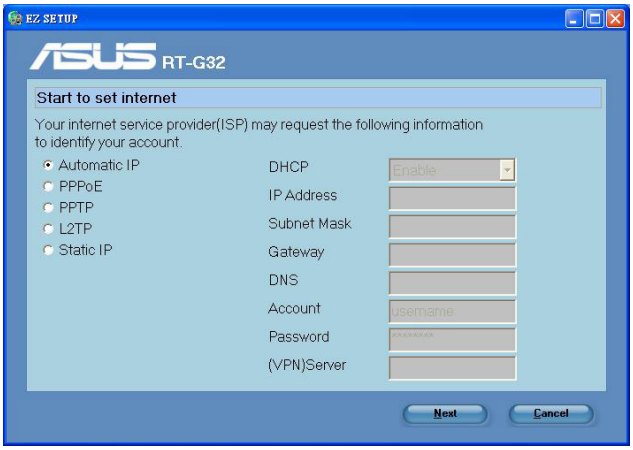
Wenn die Verbindung fehlschägt, vergewissern Sie sich, dass Ihre Hardware richtig verbunden ist und klicken Sie dann auf **Re-search (Neue Suche)**, um erneut zu suchen.



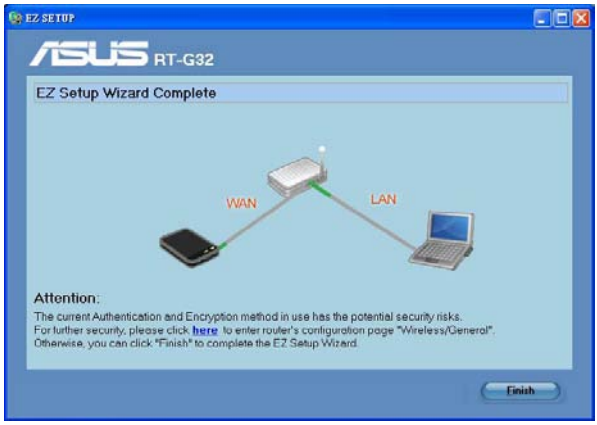
(Verbindung fehlgeschlagen)

4. Klicken Sie auf **Next**, um die grundlegenden ISP-Verbindungseinstellungen zu konfigurieren. Klicken Sie auf **Finish (Fertig)**, um internen Netzwerkeinstellungen zu beenden.

5. Wählen Sie eine der folgenden Verbindungsarten aus: **Automatic IP**, **PPPoE**, **PPTP**, **L2TP** und **Static IP**. Geben Sie die notwendigen Daten für Ihre IP-Verbindungsart ein und klicken Sie danach auf **Next**.



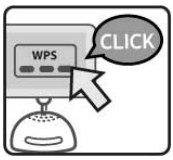
6. Klicken Sie auf **Finish**.



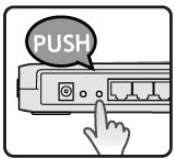
WPS-Einstellung über Schnelleinstellungstaste

Wenn Sie einen PC mit Wireless-Adapter (z.B. ASUS USB-N11 und PCI-G31) mit WPS-Funktion haben, folgen Sie bitte deb nachstehenden Anweisungen, um die WPS-Schnelleinstellung zu aktivieren.

1. Um WPS benutzen zu können, vergewissern Sie sich, dass der RT-G32 Wireless Router UND die Wireless-Software-WPS-Funktion des Computers aktiviert sind.



2. Drücken Sie die WPS-Taste an der Rückseite des RT-G32 Wireless Routers.



3. Die WLAN-LED des RT-G32 leuchtet auf und blinkt langsam, nachdem die WPS-Verbindung hergestellt wurde.

Fehlerbehebung 6

Fehlerbehebung

Die Fehlerbehebungsanleitung gibt Lösungen zum Beheben üblicher Probleme, die während des Installierens oder Benutzens des drahtlosen Routers von ASUS auftreten können. Diese Probleme erfordern eine einfache Fehlersuche, die Sie selber durchführen können. Nehmen Sie mit der technischen Unterstützung von ASUS Kontakt auf, wenn die aufgetretenen Probleme nicht in diesem Kapitel beschrieben sind.

Problem	Aktion
Der Router lässt sich nicht über einen Webbrowser konfigurieren.	1. Öffnen Sie einen Webbrowser und klicken anschließend auf Extras > Internetoptionen. 2. Klicken Sie unter „Temporäre Internetdateien“ auf „Cookies löschen“ und dann auf „Dateien löschen“.
Der Client kann eine drahtlose Verbindung mit dem Router herstellen.	Außerhalb der Reichweite: • Stellen Sie den Router näher an den drahtlosen Client. • Versuchen Sie, die Kanaleinstellungen zu ändern. Authentifizierung: • Stellen Sie eine verdrahtete Verbindung mit dem Router her. • Prüfen Sie die Drahtlos-Sicherheitseinstellungen. • Drücken Sie den Knopf „Restore“ an der Rückseite für mindestens fünf Sekunden. Der Router wird nicht erkannt. • Drücken Sie den Knopf „Restore“ an der Rückseite für mindestens fünf Sekunden. • Prüfen Sie die Einstellung im drahtlosen Adapter wie z.B. die SSID- und Verschlüsselungseinstellungen.

Problem	Aktion
Es kann keine Verbindung mit dem Internet über den Drahtlos-LAN-Adapter hergestellt werden.	• Stellen Sie den Router näher an den drahtlosen Client. • Prüfen Sie, ob der drahtlose Adapter mit dem richtigen drahtlosen Router verbunden ist. • Prüfen Sie, ob der verwendete Funkkanal konform mit den verfügbaren Kanälen in Ihrem Land/Ihrer Region ist. • Prüfen Sie die Verschlüsselungseinstellungen. • Prüfen Sie, ob die ADSL- oder Kabelverbindung richtig ist. • Verwenden Sie ein anderes Ethernet-Kabel und versuchen es neu.
Das Internet ist nicht zugänglich.	• Prüfen Sie die Statusanzeigen an dem ADSL-Modem und dem drahtlosen Router. • Prüfen Sie, ob die WAN-LED an dem drahtlosen Router leuchtet. Falls diese LED nicht leuchtet, dann wechseln Sie bitte das Kabel aus und versuchen es neu.
Wenn die LED „Link“ am DSL-Modem leuchtet (nicht blinkt), bedeutet es, dass das Internet zugänglich ist.	• Starten Sie den Computer neu. • Sehen Sie in der Schnellstartanleitung des drahtlosen Routers nach, um die Einstellungen zu ändern. • Prüfen Sie, ob die WAN-LED an dem drahtlosen Router leuchtet. • Prüfen Sie die Drahtlos-Verschlüsselungseinstellungen. • Prüfen Sie, ob der Computer die IP-Adresse erhält (über das verdrahtete Netzwerk sowie das drahtlose Netzwerk). • Prüfen Sie die Einstellung Ihres Webbrowsers und stellen sicher, dass der Webbrowser das lokale LAN statt einen Proxy-Server verwendet.

Problem	Aktion
Wenn die LED „Link“ am ADSL-Modem blinkt oder erlischt, bedeutet es, dass das Internet nicht zugänglich ist. Der Router kann keine Verbindung mit dem ADSL-Netzwerk herstellen.	• Stellen Sie sicher, dass sämtliche Kabel richtig verbunden sind. • Trennen Sie das Netzkabel von dem ADSL- oder Kabel-Modem, warten für ein paar Minuten und schließen das Kabel wieder an. • Falls die LED am ADSL-Modem weiterhin nur blinkt oder erlischt, wenden Sie sich bitte an Ihren ADSL-Dienstanbieter.
Der Netzwerkname oder das Verschlüsselungskennwort wurde vergessen	• Versuchen Sie, eine verdrahtete Verbindung herzustellen und die Drahtlos-Verschlüsselung erneut zu konfigurieren. • Drücken Sie den Knopf „Restore“ an der Rückseite des drahtlosen Routers für mindestens fünf Sekunden.
So stellen Sie die Standardeinstellungen des Systems her	• Drücken Sie den Knopf „Restore“ an der Rückseite des drahtlosen Routers für mindestens fünf Sekunden. • Lesen Sie den Abschnitt **Firmware Restoration** in Kapitel 5 dieser Gebrauchsanleitung. Die werkseitigen Standardeinstellungen sind wie folgt: **Benutzername:** admin **Kennwort:** admin **DHCP aktivieren:** Ja (wenn das WAN-Kabel angeschlossen ist) **IP-Adresse:** 192.168.1.1 **Domänenname:** (Leer) **Subnetzmaske:** 255.255.255.0 **DNS-Server 1:** 192.168.1.1 **DNS-Server 2:** (Leer) **SSID:** default

Anhang

Hinweise

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

ACHTUNG: Jede Änderung oder Modifikation, die nicht ausdrücklich von verantwortlichen Parteien genehmigt wurden, können die Betriebserlaubnis für das Gerät erlöschen lassen.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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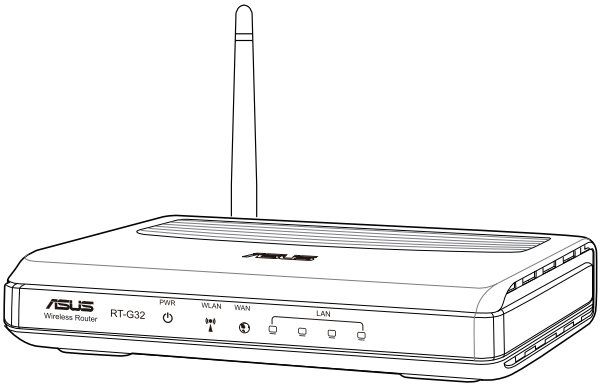
RT-G32
Ασύρματος Δρομολογητής



Εγχειρίδιο Χρήστη

GK4264

Πρώτη Έκδοση
November 2008

Περιεχόμενα

Περιεχόμενα

Σχετικά με αυτό τον οδηγό

Αυτός ο οδηγός χρήσης περιέχει πληροφορίες που χρειάζεστε για να εγκαταστήσετε και να διαμορφώσετε τον Ασύρματο Δρομολογητή ASUS.

Οργάνωση του εγχειριδίου

Αυτό το εγχειρίδιο περιέχει τα ακόλουθα μέρη:

- **Κεφάλαιο 1: Γνωρίζοντας τον ασύρματο δρομολογητή**

  Το κεφάλαιο αυτό παρέχει πληροφορίες για τα περιεχόμενα της συσκευασίας, τις απαιτήσεις του συστήματος, τα χαρακτηριστικά του υλικού και τις λυχνίες ένδειξης (LED) του Ασύρματου Δρομολογητή ASUS.

- **Κεφάλαιο 2: Εγκατάσταση του υλικού**

  Το κεφάλαιο αυτό παρέχει οδηγίες για την εγκατάσταση, διαμόρφωση και πρόσβαση στον Ασύρματο Δρομολογητή ASUS.

- **Κεφάλαιο 3: Διαμόρφωση των δικτυακών συσκευών**

  Το κεφάλαιο αυτό παρέχει οδηγίες για την εγκατάσταση των συσκευών του δικτύου, πρόσβαση και διαμόρφωση του Ασύρματου Δρομολογητή ASUS.

- **Κεφάλαιο 4: Διαμόρφωση μέσω της διαδικτυακής γραφικής διεπαφής χρήστη (GUI)**

  Το κεφάλαιο αυτό παρέχει οδηγίες για τη διαμόρφωση του Ασύρματου Δρομολογητή ASUS μέσω της παρεχόμενης διαδικτυακής γραφικής διεπαφής χρήστη (web GUI).

- **Κεφάλαιο 5: Εγκατάσταση των βοηθητικών προγραμμάτων**

  Το κεφάλαιο αυτό παρέχει πληροφορίες για τα βοηθητικά προγράμματα που διατίθενται στο CD υποστήριξης.

- **Κεφάλαιο 6: Αντιμετώπιση προβλημάτων**

  Το κεφάλαιο αυτό παρέχει έναν οδηγό αντιμετώπισης προβλημάτων για επίλυση συνηθισμένων προβλημάτων που ενδέχεται να αντιμετωπίσετε όταν χρησιμοποιείτε τον Ασύρματο Δρομολογητή ASUS.

- **Παραρτήματα**

  Το κεφάλαιο αυτό περιλαμβάνει κανονιστικές γνωστοποιήσεις και δηλώσεις ασφαλείας.

Συμβάσεις που χρησιμοποιούνται στον παρόντα οδηγό

ΠΡΟΕΙΔΟΠΟΙΗΣΗ: Πληροφορίες για αποφυγή τραυματισμού σας όταν προσπαθείτε να ολοκληρώσετε μια εργασία.

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ΣΗΜΑΝΤΙΚΟ: Οδηγίες που ΠΡΕΠΕΙ να ακολουθήσετε για να ολοκληρώσετε μια εργασία.

ΣΗΜΕΙΩΣΗ: Συμβουλές και πρόσθετες πληροφορίες για να σας βοηθήσουν να ολοκληρώσετε μια εργασία.

1 Γνωρίζοντας τον ασύρματο δρομολογητή

Περιεχόμενα συσκευασίας

Ελέγξτε αν υπάρχουν τα ακόλουθα στοιχεία στη συσκευασία του Ασύρματου Δρομολογητή ASUS

- ☑ Ασύρματος δρομολογητής RT-G32
- ☑ Μετασχηματιστής ρεύματος
- ☑ CD Υποστήριξης (εγχειρίδιο, βοηθητικά προγράμματα)
- ☑ Καλώδιο RJ45
- ☑ Οδηγός Γρήγορης Έναρξης

Note: If any of the items is damaged or missing, contact your retailer.

Απαιτήσεις συστήματος

Πριν εγκαταστήσετε τον Ασύρματο Δρομολογητή ASUS, διασφαλίστε ότι το σύστημα/δίκτυο ικανοποιεί τις ακόλουθες προδιαγραφές:

- Μια θύρα Ethernet RJ-45 (10BaseT/100BaseTX)
- Τουλάχιστον μία συσκευή συμβατή με το πρότυπο IEEE 802.11b/g με ασύρματη δυνατότητα
- Εγκατεστημένο TCP/IP και πρόγραμμα περιήγησης στο Internet
- Υποστηρίζει Internet Explorer 6.0 ή νεότερη έκδοση.

Πριν προχωρήσετε

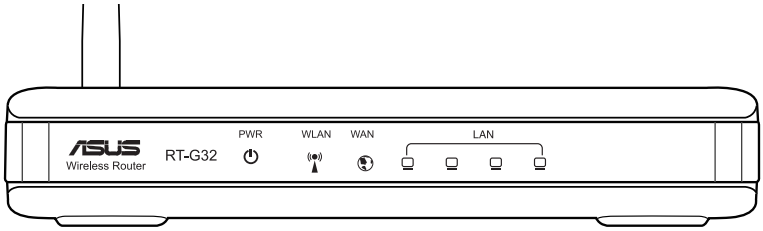
Take note of the following guidelines before installing the ASUS Wireless Router:

- Το μήκος του καλωδίου Ethernet που συνδέει τη συσκευή στο δίκτυο (διανομέα, καλωδιακό/ADSL μόντεμ, δρομολογητή, επιτοίχιο πίνακα συνδέσεων) δεν πρέπει να υπερβαίνει τα 100 μέτρα.
- Τοποθετήστε τη συσκευή σε μια επίπεδη, σταθερή επιφάνεια όσο το δυνατόν πιο μακριά από το έδαφος.
- Να διατηρείτε τη συσκευή μακριά από μεταλλικά εμπόδια και μακριά από το άμεσο ηλιακό φως.
- Να διατηρείτε τη συσκευή μακριά από μετασχηματιστές, κινητήρες ισχύος, λαμπτήρες φθορισμού, φούρνους μικροκυμάτων, ψυγεία και

- Εγκαταστήστε τη συσκευή σε μια κεντρική περιοχή για να εξασφαλίσετε ιδανική κάλυψη σε όλες τις κινητές ασύρματες συσκευές.
- Εγκαταστήστε τη συσκευή σε απόσταση τουλάχιστον 20 εκ. από τους ανθρώπους για να διασφαλίσετε ότι το προϊόν θα λειτουργεί σύμφωνα με τις οδηγίες έκθεσης των ανθρώπων σε ραδιοσυχνότητες (RF) οι οποίες υιοθετήθηκαν από την Ομοσπονδιακή Επιτροπή Επικοινωνιών (FCC).

Χαρακτηριστικά υλικού

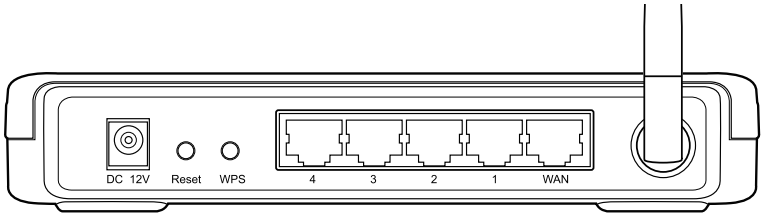
Μπροστινή πλευρά



Ενδείξεις κατάστασης

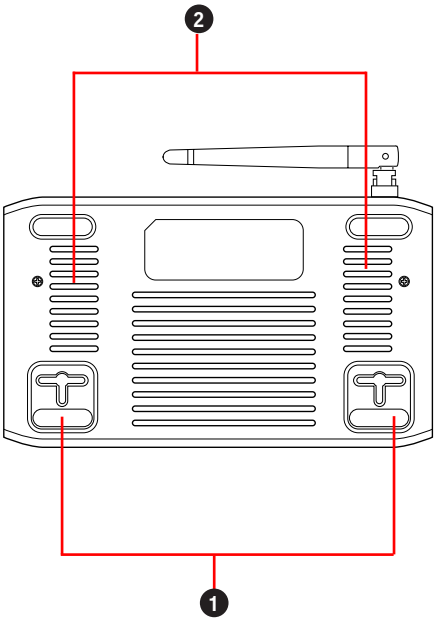
Λυχνία (LED)	Κατάσταση	Ένδειξη
⏻ (Τροφοδοσία)	Σβηστή	Δεν υπάρχει τροφοδοσία
	Αναμμένη	Σύστημα έτοιμο
WLAN (Ασύρματο δίκτυο)	Σβηστή	Δεν υπάρχει τροφοδοσία
	Αναμμένη	Ασύρματο σύστημα έτοιμο
	Αναβοσβήνει	Εκπομπή ή λήψη δεδομένων (ασύρματα)
LAN 1-4 (Τοπικό δίκτυο)	Σβηστή	Δεν υπάρχει τροφοδοσία ή φυσική σύνδεση
	Αναμμένη	Υπάρχει φυσική σύνδεση σε δίκτυο Ethernet
	Αναβοσβήνει	Εκπομπή ή λήψη δεδομένων (μέσω καλωδίου Ethernet)
WAN (Δίκτυο ευρείας περιοχής)	Σβηστή	Δεν υπάρχει τροφοδοσία ή φυσική σύνδεση
	Αναμμένη	Υπάρχει φυσική σύνδεση σε δίκτυο Ethernet
	Αναβοσβήνει	Εκπομπή ή λήψη δεδομένων (μέσω καλωδίου Ethernet)

Πίσω πλευρά



Στοιχείο	Περιγραφή
ANTENNA	Ρυθμίστε την κεραία χειροκίνητα για να έχετε καλύτερη λήψη σήματος
WPS	Πατήστε αυτό το κουμπί για εκκίνηση του Wi-Fi Protected Setup (WPS) [Εγκατάσταση προστατευμένου ασύρματου δικτύου]
Reset	Πατήστε για τρία δευτερόλεπτα για επαναφορά των εργοστασιακών προεπιλεγμένων ρυθμίσεων
WAN	Συνδέστε σε αυτή τη θύρα καλώδιο Ethernet RJ-45 για να δημιουργήσετε σύνδεση σε δίκτυο ευρείας ζώνης (WAN).
LAN1-LAN4	Συνδέστε σε αυτές τις θύρες καλώδια Ethernet RJ-45 για να δημιουργήσετε σύνδεση στο τοπικό δίκτυο (LAN).
DC 12V	Εισάγετε σε αυτή τη θύρα το μετασχηματιστή ρεύματος DC για να συνδέσετε το δρομολογητή σε μια πηγή τροφοδοσίας.

Κάτω πλευρά

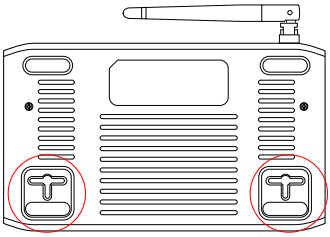


Στοιχείο	Περιγραφή
1	**Άγκιστρα στήριξης** Χρησιμοποιήστε τα άγκιστρα στήριξης για να τοποθετήσετε το δρομολογητή πάνω σε επιφάνειες από μπετόν ή ξύλο με χρήση δύο βιδών.
2	**Ανοίγματα εξαερισμού** Παρέχουν εξαερισμό στο δρομολογητή.

Σημείωση: Για λεπτομερή στοιχεία πώς να στηρίξετε το δρομολογητή πάνω σε τοίχο ή στην οροφή, ανατρέξτε στη ενότητα Mounting options (Επιλογές τοποθέτησης) στην επόμενη σελίδα αυτού του εγχειριδίου χρήστη.

Επιλογές προσάρτησης

Όταν τον βγάλετε από τη συσκευασία του, ο Ασύρματος δρομολογητής ASUS RT-G32 είναι σχεδιασμένος για να κάθεται σε μια σηκωμένη επίπεδη επιφάνεια όπως μια αρχειοθήκη ή ένα ράφι. Η μονάδα μπορεί επίσης να υποστεί μετατροπή για τοποθέτηση σε τοίχο ή οροφή.



Για προσάρτηση του ASUS RT-G32:

1. Δείτε στο κάτω μέρος για δύο γάντζους προσάρτησης.
2. Σημειώστε δύο πάνω τρύπες σε ένα τοίχο ή σε μια ανυψωμένη επιφάνεια.
3. Σφίξτε τις δύο βίδες μέχρι να φαίνεται μόνο 1/4".
4. Κλειδώστε τους γάντζους του ASUS RT-G32 στις βίδες.

Σημείωση: Ρυθμίστε ξανά τις βίδες αν δεν μπορείτε να κλειδώσετε τον Ασύρματο Δρομολογητή της ASUS στις βίδες ή αν είναι πολύ χαλαρός.

2 Εγκατάσταση του υλικού

Ρύθμιση του ασύρματου δρομολογητή

Ο Ασύρματος Δρομολογητής ASUS μπορεί να διαμορφωθεί ώστε να καλύπτει τις απαιτήσεις διαφορετικών σεναρίων χρήσης. Μπορεί να χρειαστεί να αλλάξετε τις προεπιλεγμένες ρυθμίσεις του ασύρματου δρομολογητή έτσι ώστε να ικανοποιεί τις συγκεκριμένες απαιτήσεις στο περιβάλλον εργασίας σας. Παρέχεται επίσης το EZSetup, ένα βοηθητικό πρόγραμμα το οποίο σας επιτρέπει να εγκαταστήσετε ένα ασφαλές ασύρματο δίκτυο.

Σημειώσεις:

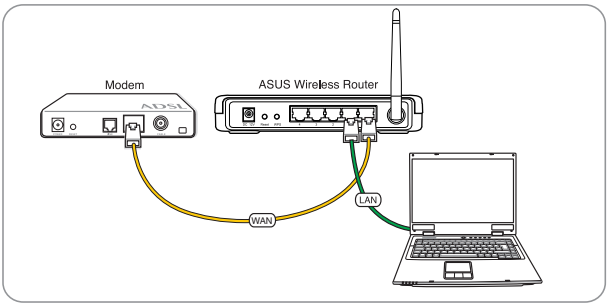
- Για περισσότερα στοιχεία πάνω στο EZSetup, ανατρέξτε στην ενότητα **EZSetup** στο Κεφάλαιο 5 του παρόντος εγχειριδίου χρήστη.

Ρύθμιση ενσύρματης σύνδεσης

Ο Ασύρματος Δρομολογητής ASUS παρέχεται με καλώδιο Ethernet στη συσκευασία. Ο ασύρματος δρομολογητής έχει ενσωματωμένη λειτουργία αυτόματης διασταύρωσης (crossover), επομένως χρησιμοποιήστε είτε καλώδιο 'straight-through' είτε 'crossover' για την ενσύρματη σύνδεση.

Για να ρυθμίσετε την ενσύρματη σύνδεση:

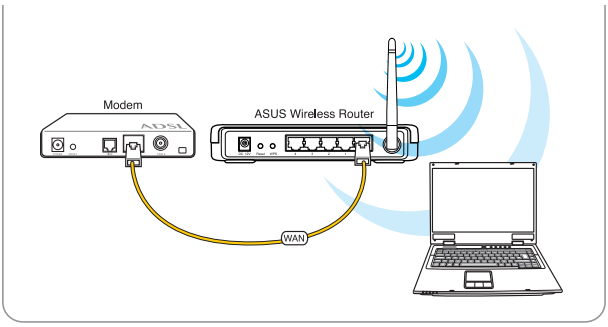
1. Ενεργοποιήστε το δρομολογητή και το μόντεμ.
2. Χρησιμοποιώντας ένα καλώδιο Ethernet, συνδέστε τη θύρα WAN του δρομολογητή στο μόντεμ.
3. Με ένα άλλο καλώδιο Ethernet, συνδέστε τη θύρα LAN του δρομολογητή στη θύρα LAN του Η/Υ.



Ρύθμιση ασύρματης σύνδεσης

Για να ρυθμίσετε μια ασύρματη σύνδεση:

1. Ενεργοποιήστε το δρομολογητή και το μόντεμ.
2. Με ένα καλώδιο Ethernet, συνδέστε το μόντεμ στη θύρα WAN του δρομολογητή.
3. Συνδέστε μια κάρτα WLAN συμβατή με το πρότυπο IEEE 802.11b/g. Ανατρέξτε στο εγχειρίδιο χρήστη του ασύρματου προσαρμογέα για τις διαδικασίες ασύρματης σύνδεσης. Από προεπιλογή, το SSID του Ασύρματου Δρομολογητή ASUS είναι “default” (με μικρά γράμματα), η κρυπτογράφηση είναι απενεργοποιημένη και χρησιμοποιείται ανοικτό σύστημα ελέγχου πρόσβασης.



Διαμόρφωση του ασύρματου δρομολογητή

Ο Ασύρματος Δρομολογητής ASUS περιλαμβάνει μια διαδικτυακή γραφική διεπαφή χρήστη (web GUI) η οποία σας επιτρέπει να διαμορφώσετε τον ασύρματο δρομολογητή από τον υπολογιστή σας χρησιμοποιώντας μια εφαρμογή περιήγησης στο διαδίκτυο.

Χρήση της διαδικτυακής γραφικής διεπαφής χρήστη (web GUI)

Αν ο Η/Υ σας συνδέεται σε δρομολογητή με καλώδιο, εκκινήστε ένα πρόγραμμα περιήγησης στο διαδίκτυο και θα εμφανιστεί αυτόματα η σελίδα σύνδεσης της διαδικτυακής γραφικής διεπαφής χρήστη του δρομολογητή.

Αν ο Η/Υ σας συνδέεται ασύρματα στο δρομολογητή, πρέπει πρώτα να επιλέξετε το δίκτυο.

Για να επιλέξετε το δίκτυο:

1. Κάντε κλικ στο **Start (Έναρξη) > Control Panel (Πίνακας Ελέγχου) > Network Connections (Συνδέσεις Δικτύου) > Wireless Network Connection (Ασύρματη Σύνδεση Δικτύου)**.

2. Επιλέξτε ένα δίκτυο από το παράθυρο **Choose a wireless network (Επιλέξετε ασύρματο δίκτυο)**. Περιμένετε να πραγματοποιηθεί η σύνδεση.

Σημείωση: Από προεπιλογή, το **SSID** του ασύρματου δρομολογητή είναι default. Συνδεθείτε σε αυτό το προεπιλεγμένο SSID.

3. Μετά τη δημιουργία της ασύρματης σύνδεσης, εκκινήστε ένα πρόγραμμα περιήγησης στο διαδίκτυο.

Σημειώσεις:

- Μπορείτε επίσης να πληκτρολογήσετε την προεπιλεγμένη διεύθυνση IP του δρομολογητή (**192.168.1.1**) για να εκκινήσετε τη διαδικτυακή γραφική διεπαφή του δρομολογητή.
- For more details on configuring your wireless router using the web GUI, refer to **Κεφάλαιο 4: Διαμόρφωση μέσω της διαδικτυακής γραφικής διεπαφής χρήστη (GUI)**.

3 Διαμόρφωση των δικτυακών συσκευών

Πρόσβαση στον ασύρματο δρομολογητή

Ορισμός μιας διεύθυνσης IP για ενσύρματο ή ασύρματο πελάτη

Για να προσπελάσετε τον Ασύρματο δρομολογητή WL-500gP V2, θα πρέπει να έχετε τις σωστές ρυθμίσεις TCP/IP στους ενσύρματους ή ασύρματους πελάτες σας. Ορίστε τις διευθύνσεις IP των πελατών στο ίδιο υποδίκτυο με τον WL-500gP V2.

Από προεπιλογή, ο Ασύρματος Δρομολογητής ASUS ενσωματώνει τις λειτουργίες του διακομιστή DHCP, ο οποίος εκχωρεί αυτόματα διευθύνσεις IP στις συσκευές του δικτύου.

Όμως σε μερικές περιπτώσεις, μπορεί να θέλετε να εκχωρήσετε σε μερικές συσκευές ή υπολογιστές του δικτύου με μη αυτόματο τρόπο στατικές διευθύνσεις αντί να γίνει αυτόματη εκχώρηση διευθύνσεων IP από τον ασύρματο δρομολογητή.

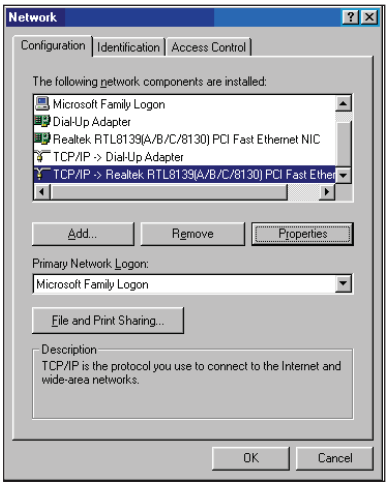
Ακολουθήστε από τις παρακάτω οδηγίες αυτές που αντιστοιχούν στο λειτουργικό σύστημα το οποίο είναι εγκατεστημένο στη συσκευή ή στον υπολογιστή του δικτύου σας.

Σημείωση: Αν θέλετε να εκχωρήσετε μη αυτόματα μια διεύθυνση IP στη συσκευή του δικτύου σας, συνιστούμε να χρησιμοποιήσετε τις ακόλουθες ρυθμίσεις:

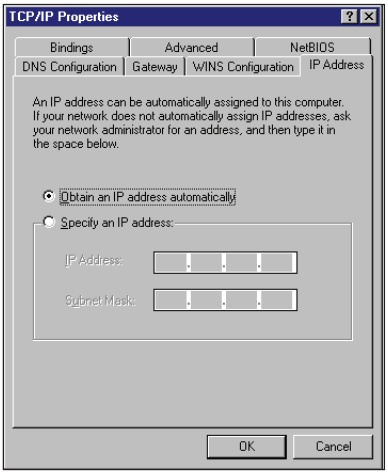
- **IP address (Διεύθυνση IP):** 192.168.1.xxx (Το xxx μπορεί να είναι οποιοσδήποτε αριθμός μεταξύ 2 και 254, σιγουρευτείτε ότι η διεύθυνση IP δεν χρησιμοποιείται από άλλη συσκευή)
- **Subnet Mask (Μάσκα Υποδικτύου):** 255.255.255.0 (ίδια με τον Ασύρματο Δρομολογητή ASUS)
- **Gateway (Πύλη):** 192.168.1.1 (Διεύθυνση IP του Ασύρματου Δρομολογητή ASUS)
- **DNS:** 192.168.1.1 (Ασύρματος Δρομολογητής ASUS) ή εκχωρήστε ένα γνωστό διακομιστή DNS στο δίκτυό σας

Windows® 9x/ME

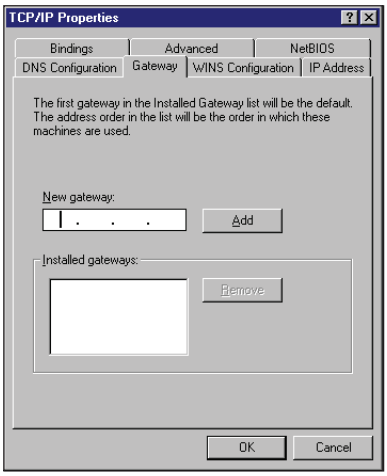
1. Κάντε κλικ στο **Start (Έναρξη) > Control Panel (Πίνακας Ελέγχου) > Network (Συνδέσεις Δικτύου)** για να εμφανιστεί το παράθυρο ρύθμισης Δικτύου.
2. Επιλέξτε **TCP/IP** και κάντε κλικ στο **Properties (Ιδιότητες)**.



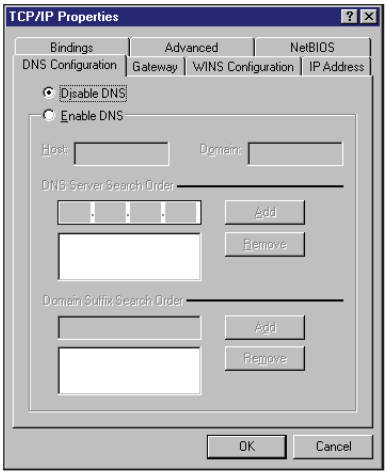
3. Αν θέλετε ο υπολογιστής σας να λάβει αυτόματα μια διεύθυνση IP, κάντε κλικ στο **Obtain an IP address automatically (Αυτόματη λήψη διεύθυνσης IP)** και κάντε κλικ στο OK. Αλλιώς, κάντε κλικ στο **Specify an IP address (Καθορισμός διεύθυνσης IP)**, στη συνέχεια πληκτρολογήστε την **IP address (Διεύθυνση IP)** και τη **Subnet Mask (Μάσκα υποδικτύου)**.



4. Επιλέξτε την καρτέλα **Gateway (Πύλη)**, στη συνέχεια πληκτρολογήστε τη **New gateway (Νέα πύλη)** και κάντε κλικ στο **Add (Προσθήκη)**.

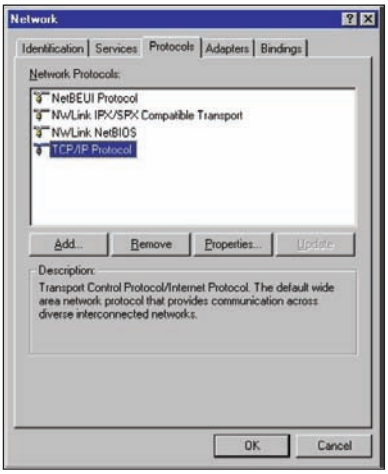


5. Επιλέξτε την καρτέλα **DNS configuration (Διαμόρφωση DNS)** και κάντε κλικ στο **Enable DNS (Ενεργοποίηση DNS)**. Πληκτρολογήστε **Host (Υπολογιστής φιλοξενίας)**, **Domain (Τομέας)** και **DNS Server Search Order (Σειρά αναζήτησης διακομιστή DNS)**, και κάντε κλικ στο **Add (Προσθήκη)**.
6. Κάντε κλικ στο **OK**.

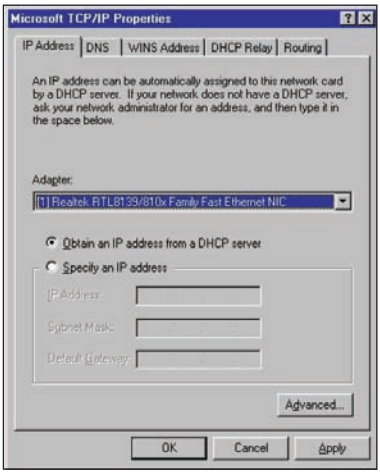


Windows® NT4.0

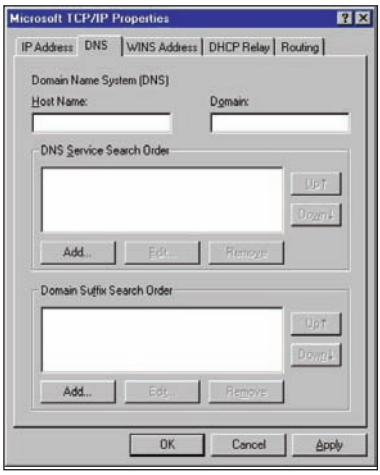
1. Πηγαίνετε στο **Control Panel (Πίνακας Ελέγχου) > Network (Συνδέσεις Δικτύου)** για να εμφανιστεί το παράθυρο ρύθμισης Δικτύου και στη συνέχεια επιλέξτε την καρτέλα **Protocols (Πρωτόκολλα)**.



2. Επιλέξτε **TCP/IP Protocol (Πρωτόκολλο TCP/IP)** από τη λίστα των **Network Protocols (Πρωτόκολλα δικτύου)** και κάντε κλικ στο **Properties (Ιδιότητες)**.
3. Από την καρτέλα **IP Address (Διεύθυνση IP)** του παραθύρου **Microsoft TCP/IP Properties (Ιδιότητες Microsoft TCP/IP)**, μπορείτε να:
   - Επιλέξετε τον τύπο του προσαρμογέα δικτύου που είναι εγκατεστημένος στο σύστημά σας.
   - Ρυθμίσετε το δρομολογητή για αυτόματη εκχώρηση διευθύνσεων IP.
   - Πληκτρολογήσετε τη διεύθυνση IP, τη μάσκα υποδικτύου και την προεπιλεγμένη πύλη.

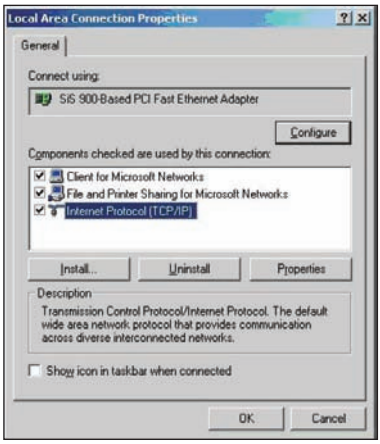


4. Επιλέξτε την καρτέλα DNS και κάντε κλικ στο **Add (Προσθήκη)** που βρίσκεται στο **DNS Service Search Order (Σειρά αναζήτησης υπηρεσιών DNS)** και πληκτρολογήστε το DNS.

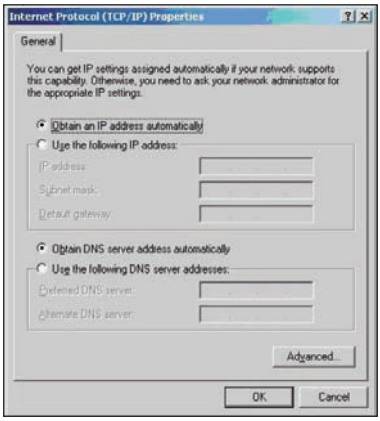


Windows® 2000

1. Κάντε κλικ στο **Start (Έναρξη) > Control Panel (Πίνακας Ελέγχου) > Network and Dial-up Connection (Δίκτυο και συνδέσεις μέσω τηλεφώνου)**. Κάντε δεξί κλικ στο **Local Area Connection (Σύνδεση τοπικού δικτύου)** και κάντε κλικ στο **Properties (Ιδιότητες)**.



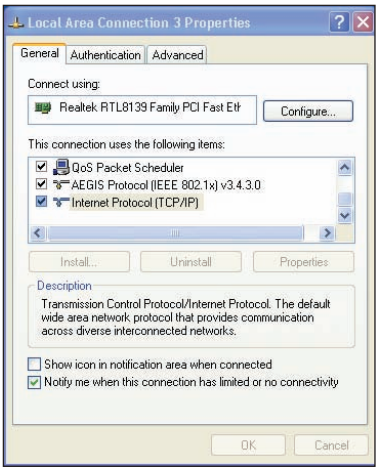
2. Επιλέξτε **Internet Protocol (TCP/IP)** και κάντε κλικ στο **Properties (Ιδιότητες)**.
3. Επιλέξτε **Obtain an IP address automatically (Αυτόματη λήψη διεύθυνσης IP)** αν θέλετε να εκχωρούνται αυτόματα οι ρυθμίσεις IP. Αλλιώς, επιλέξτε **Use the following IP address (Χρησιμοποίηση της ακόλουθης διεύθυνσης IP):** και πληκτρολογήστε **IP address (Διεύθυνση IP)**, **Subnet mask (Μάσκα υποδικτύου)** και **Default gateway (Προεπιλεγμένη πύλη)**.



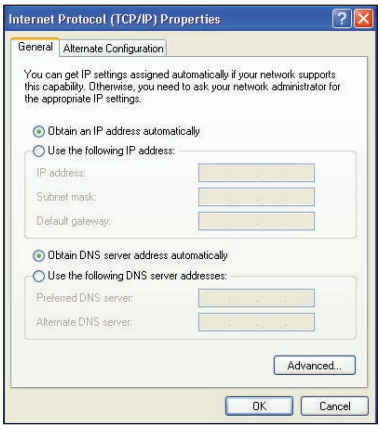
4. Επιλέξτε **Obtain an IP address automatically (Αυτόματη λήψη διεύθυνσης IP)** αν θέλετε να εκχωρούνται αυτόματα οι ρυθμίσεις IP. Αλλιώς, επιλέξτε **Use the following DNS server address (Χρησιμοποίηση της ακόλουθης διεύθυνσης διακομιστή DNS):** και πληκτρολογήστε **Preferred and Alternate DNS server (Προτιμώμενος και εναλλακτικός διακομιστής DNS)**.
5. Κάντε κλικ στο **OK** όταν τελειώσετε.

Windows® XP

1. Κάντε κλικ στο **Start (Έναρξη) > Control Panel (Πίνακας Ελέγχου) > Network (Συνδέσεις Δικτύου)**. Κάντε δεξί κλικ στο **Local Area Connection (Σύνδεση τοπικού δικτύου)** και επιλέξτε **Properties (Ιδιότητες)**.



2. Επιλέξτε **Internet Protocol (TCP/IP)** και κάντε κλικ στο **Properties (Ιδιότητες)**.
3. Επιλέξτε **Obtain an IP address automatically (Αυτόματη λήψη διεύθυνσης IP)** αν θέλετε να εκχωρούνται αυτόματα οι ρυθμίσεις IP. Αλλιώς, επιλέξτε **Use the following IP address (Χρησιμοποίηση της ακόλουθης διεύθυνσης IP)**: και πληκτρολογήστε **IP address (Διεύθυνση IP)**, **Subnet mask (Μάσκα υποδικτύου)** και **Default gateway (Προεπιλεγμένη πύλη)**.
4. Επιλέξτε **Obtain DNS server address automatically (Αυτόματη λήψη διεύθυνσης διακομιστή DNS)** αν θέλετε να εκχωρούνται αυτόματα οι ρυθμίσεις του διακομιστή DNS. Αλλιώς, επιλέξτε **Use the following DNS server address (Χρησιμοποίηση της ακόλουθης διεύθυνσης διακομιστή DNS)**: και πληκτρολογήστε το **Preferred and Alternate DNS server (Προτιμώμενος και εναλλακτικός διακομιστής DNS)**.
5. Κάντε κλικ στο **OK** όταν τελειώσετε.



4 Διαμόρφωση μέσω της διαδικτυακής γραφικής διεπαφής χρήστη (GUI)

Διαμόρφωση μέσω της διαδικτυακής γραφικής διεπαφής χρήστη (GUI)

Η διαδικτυακή γραφική διεπαφή χρήστη (web GUI) του δρομολογητή σας επιτρέπει να διαμορφώσετε τις ακόλουθες ρυθμίσεις: **Settings (Ρύθμιση).**

Για διαμόρφωση μέσω της διαδικτυακής γραφικής διεπαφής χρήστη (web GUI):

1. Μετά τη δημιουργία μιας ενσύρματης ή ασύρματης σύνδεσης, εκκινήστε ένα πρόγραμμα περιήγησης στο διαδίκτυο. Θα ξεκινήσει αυτόματα η σελίδα σύνδεσης.

Σημείωση: Μπορείτε επίσης να πληκτρολογήσετε την προεπιλεγμένη διεύθυνση IP του δρομολογητή (**192.168.1.1**) για να εκκινήσετε τη διαδικτυακή γραφική διεπαφή του δρομολογητή.

2. Στο παράθυρο σύνδεσης πληκτρολογήστε το προεπιλεγμένο όνομα χρήστη (**admin**) και τον κωδικό πρόσβασης (**admin**) .
3. Από τη βασική σελίδα, κάντε κλικ στο μενού πλοήγησης ή στους συνδέσμους για να διαμορφώσετε τα διάφορα χαρακτηριστικά του Ασύρματου Δρομολογητή ASUS.

Διαμόρφωση της Ρύθμισης

Η σελίδα αυτή σας επιτρέπει να διαμορφώσετε ρυθμίσεις για το δρομολογητή και για το δίκτυο. Σας επιτρέπει να διαμορφώσετε τις ρυθμίσεις για τα στοιχεία: **Wireless (Ασύρματο), LAN (Τοπικό δίκτυο), WAN (Δίκτυο ευρείας περιοχής), Firewall (Τείχος προστασίας), Administration (Διαχείριση) και System Log (Αρχείο καταγραφής συστήματος).**

Για να εκκινήσετε τη σελίδα Ρυθμίσεων:

- Κάντε κλικ στο **Setting (Ρύθμιση)** από το μενού πλοήγησης στην αριστερή πλευρά της οθόνης σας.

Αναβάθμιση του υλικολογισμικού

Σημείωση: Κάντε λήψη του πιο πρόσφατου υλικουλογισμικού από τον ιστότοπο της ASUS στη διεύθυνση **http://www.asus.com**

Για να αναβαθμίσετε το υλικολογισμικό:

1. Κάντε κλικ στο **Settings (Ρύθμιση)** από το μενού πλοήγησης στην αριστερή πλευρά της οθόνης σας.
2. Στο μενού **Administration (Διαχείριση)**, κάντε κλικ στο **Firmware Upgrade (Αναβάθμιση υλικολογισμικού)**.
3. Στο πεδίο **New Firmware File (Νέο αρχείο υλικολογισμικού)**, κάντε κλικ στο **Browse (Αναζήτηση)** για να εντοπίσετε το νέο υλικολογισμικό στον υπολογιστή σας.
4. Κάντε κλικ στο **Upload (Αποστολή)**. Η διαδικασία αποστολής διαρκεί περίπου τρία λεπτά.

Σημείωση: Αν η διαδικασία αναβάθμισης αποτύχει, ο ασύρματος δρομολογητής εισέρχεται αυτόματα σε κατάσταση έκτακτης ανάγκης ή σφάλματος και η λυχνία ένδειξης (στην μπροστινή πλευρά αναβοσβήνει αργά. Για επαναφορά του συστήματος, χρησιμοποιήστε το βοηθητικό πρόγραμμα **Firmware Restoration (Αποκατάσταση υλικολογισμικού)**. Για περισσότερα στοιχεία σχετικά με το βοηθητικό πρόγραμμα, ανατρέξτε στην ενότητα Αποκατάσταση υλικολογισμικού στο Κεφάλαιο 5 αυτού του εγχειριδίου χρήστη.

Ρυθμίσεις επαναφοράς/αποθήκευσης/αποστολής

Για να επαναφέρετε/αποθηκεύσετε/αποστείλετε τις ρυθμίσεις:

1. Κάντε κλικ στο **Settings (Ρύθμιση)** από το μενού πλοήγησης στην αριστερή πλευρά της οθόνης σας.
2. Στο μενού **Administration (Διαχείριση)**, κάντε κλικ στο **Restore/Save/Upload Setting (Επαναφορά/Αποθήκευση/Αποστολή ρυθμίσεων)**.

3. Επιλέξτε τις εργασίες που θέλετε να κάνετε:
   - Για επαναφορά στις προεπιλεγμένες εργοστασιακές ρυθμίσεις, κάντε κλικ στο **Restore (Επαναφορά)** και κάντε κλικ στο **OK** στο μήνυμα επιβεβαίωσης.
   - Για να αποθηκεύσετε τις τρέχουσες ρυθμίσεις συστήματος, κάντε κλικ στο **Save (Αποθήκευση)** και κάντε κλικ στο **Save (Αποθήκευση)** στο παράθυρο λήψης αρχείου για να αποθηκεύσετε το αρχείο συστήματος στη διαδρομή που επιθυμείτε.
   - Για να αποκαταστήσετε τις προηγούμενες ρυθμίσεις του συστήματος, κάντε κλικ στο **Browse (Αναζήτηση)** για να εντοπίσετε το αρχείο συστήματος που θέλετε να επαναφέρετε και κάντε κλικ στο **Upload (Αποστολή)**.

5 Εγκατάσταση των βοηθητικών προγραμμάτων

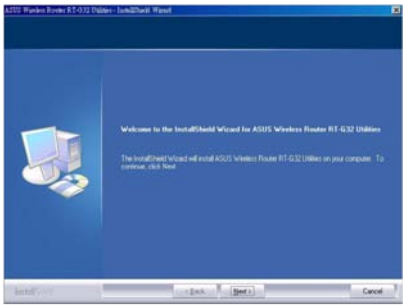
Εγκατάσταση των βοηθητικών προγραμμάτων

Το CD υποστήριξης περιέχει τα βοηθητικά προγράμματα για τη διαμόρφωση του Ασύρματου Δρομολογητή ASUS. Για να εγκαταστήσετε τα Βοηθητικά Προγράμματα ASUS WLAN στο λειτουργικό σύστημα Microsoft® Windows, εισάγετε το CD υποστήριξης στη μονάδα CD. Αν η δυνατότητα αυτόματης εκτέλεσης (Autorun) είναι απενεργοποιημένη, εκτελέστε το αρχείο setup.exe στο ριζικό κατάλογο του CD υποστήριξης.

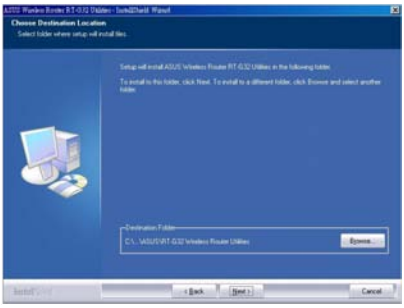
Για να εγκαταστήσετε τα βοηθητικά προγράμματα:

1. Κάντε κλικ στο **Install ASUS Wireless Router Utilities (Εγκατάσταση βοηθητικών προγραμμάτων του Ασύρματου Δρομολογητή ASUS).**

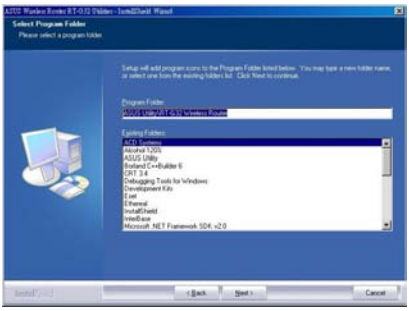
2. Κάντε κλικ στο **Next (Επόμενο)**.



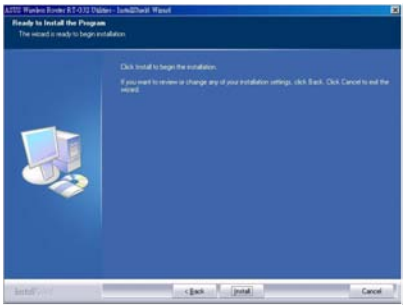
3. Κάντε κλικ στο **Next (Επόμενο)** για να αποδεχτείτε τον προεπιλεγμένο φάκελο προορισμού ή κάντε κλικ στο **Browse (Αναζήτηση)** για να καθορίσετε κάποια άλλη διαδρομή.



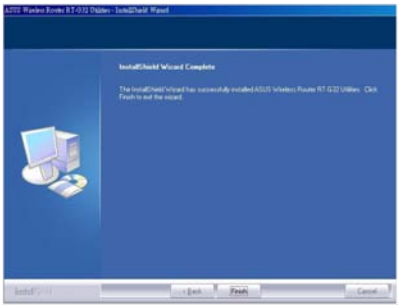
4. Κάντε κλικ στο **Next (Επόμενο)**.



5. Κάντε κλικ στο **Install (Εγκατάσταση)** για να εγκαταστήσετε το βοηθητικό πρόγραμμα.



6. Κάντε κλικ στο **Finish (Τέλος)** όταν τελειώσει η εγκατάσταση.

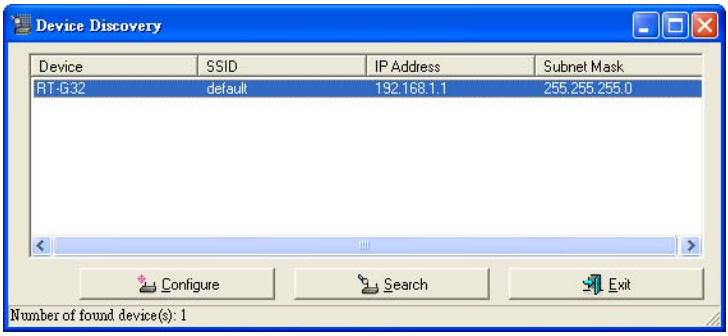


Ανακάλυψη συσκευής

Το βοηθητικό πρόγραμμα Device Discovery (Ανακάλυψη συσκευής) είναι ένα πρόγραμμα του ASUS WLAN το οποίο ανιχνεύει μια συσκευή του Ασύρματου Δρομολογητή ASUS και σας επιτρέπει να τη διαμορφώσετε.

Για να εκκινήσετε το βοηθητικό πρόγραμμα Device Discovery (Ανακάλυψη συσκευής):

- Από την επιφάνεια εργασίας του υπολογιστή σας, κάντε κλικ στο **Start (Έναρξη) > All Programs (Προγράμματα) > ASUS Utility (Βοηθητικά προγράμματα ASUS) > RT-G32 Wireless Router (Ασύρματος Δρομολογητής RT-G32)> Device Discovery (Ανακάλυψη συσκευής).**



Αποκατάσταση υλικολογισμικού

Το βοηθητικό πρόγραμμα Αποκατάσταση υλικολογισμικού) είναι ένα πρόγραμμα το οποίο αναζητά έναν Ασύρματο Δρομολογητή ASUS ο οποίος απέτυχε κατά τη διάρκεια της διαδικασίας αναβάθμισης του υλικολογισμικού, στη συνέχεια επαναφέρει ή επαναφορτώνει το υλικολογισμικό που θα καθορίσετε. Η διαδικασία διαρκεί περίπου τρία έως τέσσερα λεπτά.

ΜΗΝ χρησιμοποιήσετε αυτό το βοηθητικό πρόγραμμα εκτός από την περίπτωση όπου αντιμετωπίζετε μη ομαλές καταστάσεις όπως κατεστραμμένο υλικολογισμικό, σφάλμα αναβάθμισης ή κατάρρευση του συστήματος.

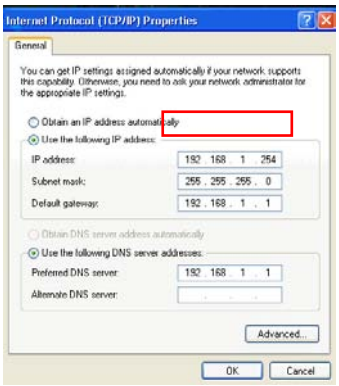
1. Κάντε λήψη της πιο πρόσφατης έκδοσης υλικολογισμικού και βοηθητικών προγραμμάτων από τον ιστότοπο (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Κάντε αποσυμπίεση του αρχείου του βοηθητικού προγράμματος και εκτελέστε το αρχείο **Setup.exe**. Κάντε κλικ στο **Next (Επόμενο)** για να ολοκληρώσετε την εγκατάσταση.

Χειροκίνητος καθορισμός διεύθυνσης IP

Κάντε κλικ στο **Start (Έναρξη) > Control Panel (Πίνακας Ελέγχου) > Network Connection (Συνδέσεις Δικτύου)**. Κάντε δεξί κλικ στο **Local Area Connection (Σύνδεση τοπικού δικτύου)** και επιλέξτε **Properties (Ιδιότητες)**.

Ορίστε τη διεύθυνση IP (192.168.1.254) χειροκίνητα.

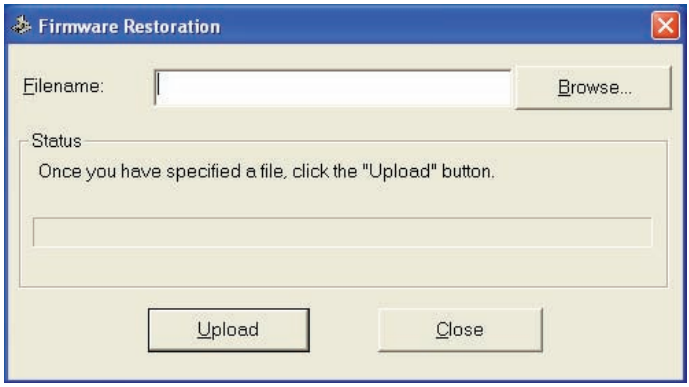
- Συνιστούμε να χρησιμοποιείτε ενσύρματη σύνδεση και να ορίσετε τη διεύθυνση IP χειροκίνητα ώστε να δημιουργήσετε ένα ιδανικό περιβάλλον μετάδοσης.
- Σιγουρευτείτε ότι είναι απενεργοποιημένο το τείχος προστασίας στον Η/Υ.



3 Απενεργοποιήστε τον ασύρματο δρομολογητή, πατήστε και κρατήστε πατημένο το κουμπί επαναφοράς και στη συνέχεια ενεργοποιήστε ξανά τη συσκευή. Η ασύρματη συσκευή εισάγεται στην κατάσταση διάσωσης αφού

MHN κλείσετε ή κάνετε επαναφορά της συσκευής ενώ ενημερώνετε το υλικολογισμικό! Αν το κάνετε μπορεί να προκληθεί σφάλμα επανεκκίνησης του συστήματος!

4. Από την επιφάνεια εργασίας των Windows® , κάντε κλικ στο **Start (Έναρξη) > All Programs (Προγράμματα) > ASUS Utility (Βοηθητικά προγράμματα ASUS) > RT-G32 Wireless Router (Ασύρματος Δρομολογητής RT-G32) > Firmware Restoration (Επαναφορά Υλικολογισμικού)**.
5. Κάντε κλικ στο **Browse (Αναζήτηση)** για να επιλέξετε το αρχείο υλικολογισμικού και στη συνέχεια κάντε κλικ στο **Upload (Αποστολή)**.



6. Αφού αποστείλετε επιτυχώς το υλικολογισμικό, πραγματοποιείται αυτόματη επανεκκίνηση της συσκευής.

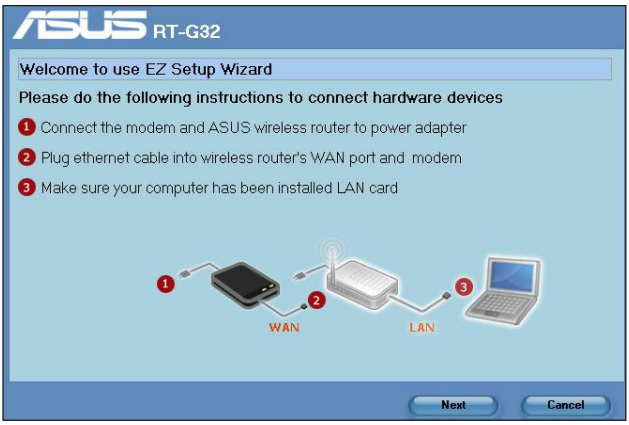
EZSetup

Το EZSetup είναι ένα βοηθητικό πρόγραμμα που σας επιτρέπει την εύκολη εγκατάσταση του ασύρματου δικτύου.

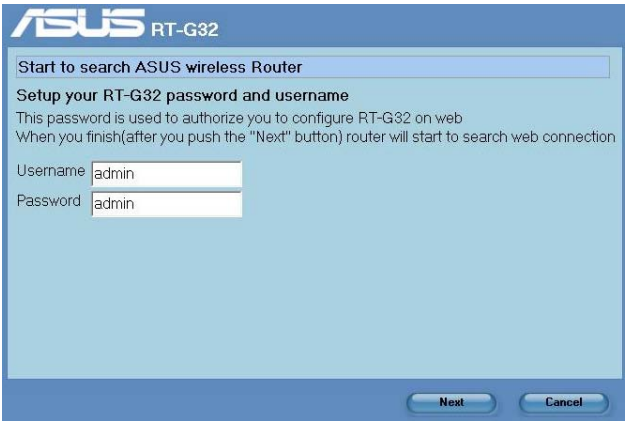
Πριν εγκαταστήσετε το EZSetup, σιγουρευτείτε ότι το RT-G32 είναι συνδεδεμένο με το μόντεμ ή τον Η/Υ με καλώδιο RJ45..

Χρήση του EZSetup

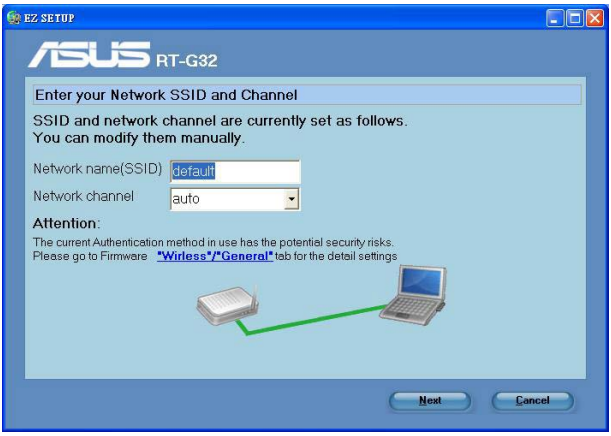
1. Ακολουθήστε τις οδηγίες για να συνδέσετε το υλικό.Όταν τελειώσετε, κάντε κλικ στο **Next (Επόμενο)**.



2. Πληκτρολογήστε το όνομα χρήστη και τον κωδικό πρόσβασης για να διαμορφώσετε τον ασύρματο δρομολογητή μέσω διαδικτύου.Όταν τελειώσετε, κάντε κλικ στο **Next (Επόμενο)**.

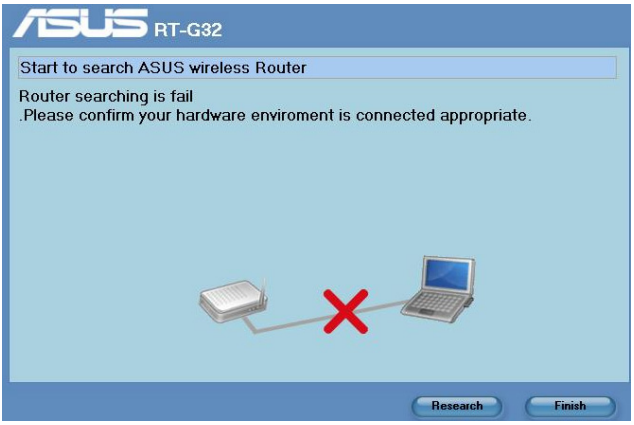


3. Αφού εγκαταστήσετε το SSID δικτύου και το κανάλι έχει συνδεθεί, κάντε κλικ στο **Next (Επόμενο)** για να συνεχίσετε.



(Σύνδεση)

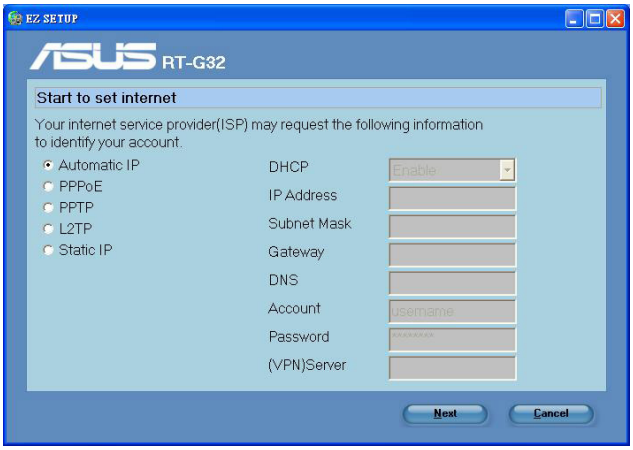
Αν υπάρχει σφάλμα σύνδεσης, σιγουρευτείτε ότι το περιβάλλον υλικού είναι σωστά συνδεδεμένο και κάντε κλικ στο **Re-search (Επανάληψη αναζήτησης)** για να κάνετε ξανά αναζήτηση.



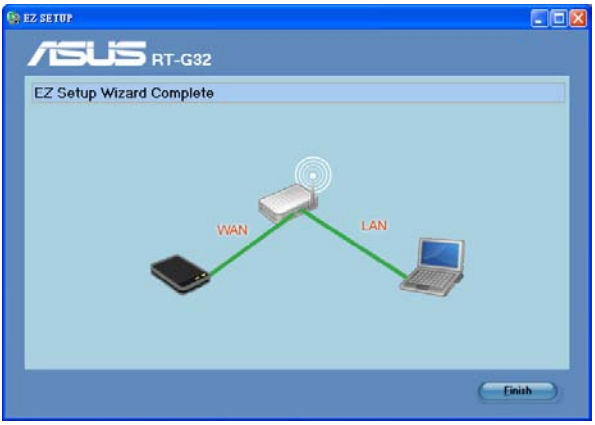
(Η σύνδεση απέτυχε)

4. Κάντε κλικ στο **Next (Επόμενο)** για να διαμορφώσετε τις βασικές ρυθμίσεις της σύνδεσης του ISP σας. Κάντε κλικ στο **Finish (Τέλος)** για να ολοκληρώσετε τις εσωτερικές ρυθμίσεις δικτύου.

5. Επιλέξτε τον τύπο σύνδεσης από τους ακόλουθους τύπους υπηρεσιών ISP: **Automatic IP (Αυτόματη IP), PPPoE, PPTP, L2TP** και **Static IP (Στατική IP)**. Πληκτρολογήστε τις απαραίτητες πληροφορίες για τον τύπο σύνδεσης με τον ISP. Όταν τελειώσετε, κάντε κλικ στο **Next (Επόμενο)**.



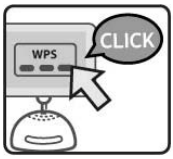
6. Όταν τελειώσετε, κάντε κλικ στο **Finish (Τέλος)**.



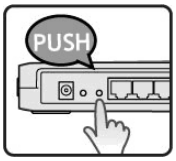
Κουμπί WPS γρήγορων ρυθμίσεων

Όταν συνδέσετε έναν υπολογιστή με κάρτα ασύρματου δικτύου (όπως μια κάρτα ASUS USB-N11 και PCI-G31) με λειτουργία WPS, ακολουθήστε τις παρακάτω οδηγίες για να ενεργοποιήσετε τις Γρήγορες ρυθμίσεις WPS.

1. Για να χρησιμοποιήσετε το WPS, βεβαιωθείτε πως είναι ενεργοποιημένος ο ασύρματος δρομολογητής RT-G32 και η λειτουργία ασύρματου λογισμικού WPS του άλλου υπολογιστή.



2. Πατήστε το κουμπί WPS στο πίσω πλαίσιο του ασύρματου δρομολογητή RT-G32.



3. Η λυχνία LED WLAN του RT-G32 ενδέχεται να ανάψει και να αναβοσβήνει με αργό ρυθμό μετά την ολοκλήρωση της σύνδεσης WPS.

Αντιμετώπιση προβλημάτων 6

Αντιμετώπιση προβλημάτων

Αυτός ο οδηγός αντιμετώπισης προβλημάτων παρέχει λύσεις σε μερικά συνηθισμένα προβλήματα που ενδέχεται να αντιμετωπίσετε κατά την εγκατάσταση ή χρήση του Ασύρματου Δρομολογητή ASUS. Τα προβλήματα αυτά απαιτούν απλή αντιμετώπιση προβλημάτων την οποία μπορείτε να κάνετε μόνος σας. Επικοινωνήστε με την Τεχνική Υποστήριξη της ASUS αν αντιμετωπίζετε προβλήματα που δεν αναφέρονται σε αυτό το κεφάλαιο.

Πρόβλημα	Ενέργεια
Δεν έχω πρόσβαση σε εφαρμογή περιήγησης στο διαδίκτυο για να διαμορφώσω το δρομολογητή.	1. Εκκινήστε μια εφαρμογή περιήγησης στο διαδίκτυο και κάντε κλικ στο **Tools (Εργαλεία) > Internet Options... (Επιλογές Internet…)** 2. Στο **Temporary Internet files (Προσωρινά αρχεία Internet)**, κάντε κλικ στο **Delete Cookies... (Διαγραφή Cookies...)** και στο **Delete Files...(Διαγραφή αρχείων…)**
Η συσκευή-πελάτης του δικτύου δεν μπορεί να δημιουργήσει ασύρματη σύνδεση με το δρομολογητή.	**Εκτός εύρους:** • Τοποθετήστε το δρομολογητή πιο κοντά στον ασύρματο πελάτη. • Προσπαθήστε να αλλάξετε τις ρυθμίσεις των καναλιών. **Έλεγχος ταυτότητας:** • Δημιουργήστε ενσύρματη σύνδεση με το δρομολογητή. • Ελέγξτε τις ρυθμίσεις ασφάλειας ασύρματου δικτύου. • Πατήστε το κουμπί Επαναφοράς στην πίσω πλευρά για περισσότερα από πέντε δευτερόλεπτα. **Δεν είναι δυνατή η εύρεση του δρομολογητή:** • Πατήστε το κουμπί Επαναφοράς στην πίσω πλευρά για περισσότερα από πέντε δευτερόλεπτα. • Ελέγξτε τις ρυθμίσεις του ασύρματου προσαρμογέα όπως SSID και ρυθμίσεις κρυπτογράφησης.

Πρόβλημα	Ενέργεια
Δεν είναι δυνατή η πρόσβαση στο Internet μέσω προσαρμογέα ασύρματου δικτύου (LAN)	• Μετακινήστε το δρομολογητή πιο κοντά στην ασύρματη συσκευή-πελάτη. • Ελέγξτε αν ο ασύρματος προσαρμογέας είναι συνδεμένος στο σωστό ασύρματο δρομολογητή. • Ελέγξτε αν το ασύρματο κανάλι που χρησιμοποιείτε είναι συμβατό με τα διαθέσιμα κανάλια στη χώρα / περιοχή σας. • Ελέγξτε τις ρυθμίσεις κρυπτογράφησης. • Ελέγξτε αν είναι σωστή η Καλωδιακή ή ADSLσύνδεση. • Προσπαθήστε ξανά χρησιμοποιώντας καλώδιο Ethernet.
Δεν έχω πρόσβαση στο Internet.	• Ελέγξτε τις ενδείξεις κατάστασης στο μόντεμ ADSL και στον ασύρματο δρομολογητή. • Ελέγξτε αν η λυχνία WAN στον ασύρματο δρομολογητή είναι ΑΝΑΜΜΕΝΗ (ON). Αν η λυχνία δεν είναι ΑΝΑΜΜΕΝΗ (ON), αλλάξτε το καλώδιο και προσπαθήστε ξανά.
Όταν η λυχνία “Link (Ζεύξη)” του Μόντεμ ADSL είναι ΑΝΑΜΜΕΝΗ (ON) (δεν αναβοσβήνει), αυτό σημαίνει ότι είναι δυνατή η πρόσβαση στο Internet.	• Κάντε επανεκκίνηση του υπολογιστή. • Ανατρέξτε στον Οδηγό Γρήγορης Έναρξης του ασύρματου δρομολογητή και διαμορφώστε ξανά τις ρυθμίσεις. • Ελέγξτε αν η λυχνία WAN στον ασύρματο δρομολογητή είναι ΑΝΑΜΜΕΝΗ (ON). • Ελέγξτε τις ρυθμίσεις ασύρματης κρυπτογράφησης. • Ελέγξτε αν ο υπολογιστής μπορεί να λάβει τη διεύθυνση IP (μέσω ενσύρματου και ασύρματου δικτύου). • Σιγουρευτείτε ότι η εφαρμογή περιήγησης στο διαδίκτυο έχει διαμορφωθεί για χρήση στο τοπικό δίκτυο (LAN) και δεν έχει διαμορφωθεί για χρήση με διακομιστή proxy.
Αν η λυχνία ADSL “LINK (ΖΕΥΞΗ)” αναβοσβήνει συνέχεια ή παραμένει σβηστή η πρόσβαση στο Internet δεν είναι δυνατή – ο Δρομολογητής δεν είναι δυνατό να δημιουργήσει σύνδεση με το δίκτυο ADSL.	• Σιγουρευτείτε πως όλα τα καλώδια είναι σωστά συνδεδεμένα. • Αποσυνδέστε το καλώδιο τροφοδοσίας από το καλωδιακό ή ADSL μόντεμ, περιμένετε μερικά λεπτά και συνδέστε ξανά το καλώδιο. • Αν η λυχνία ADSL συνεχίζει να αναβοσβήνει ή να παραμένει ΣΒΗΣΤΗ (OFF), επικοινωνήστε με το πάροχο της υπηρεσίας σας ADSL.

Πρόβλημα	Ενέργεια
Έχω ξεχάσει το όνομα του δικτύου ή το κλειδί κρυπτογράφησης	• Προσπαθήστε να δημιουργήσετε την ενσύρματη σύνδεση και να διαμορφώσετε ξανά τις ρυθμίσεις ασύρματης κρυπτογράφησης. • Πατήστε το κουμπί Επαναφοράς στην πίσω πλευρά του ασύρματου δρομολογητή για περισσότερα από πέντε δευτερόλεπτα.
Πώς να επαναφέρετε το σύστημα στις προεπιλεγμένες ρυυθμίσεις	• Πατήστε το κουμπί Επαναφοράς στην πίσω πλευρά του ασύρματου δρομολογητή για περισσότερο από πέντε δευτερόλεπτα. • Ανατρέξτε στην ενότητα **Restoring to the default settings (Επαναφορά στις προεπιλεγμένες ρυθμίσεις)** στο Κεφάλαιο 4 του παρόντος εγχειριδίου χρήστη. Οι προεπιλεγμένες εργοστασιακές ρυθμίσεις είναι: **User Name (Όνομα χρήστη):** admin **Password (Κωδικός πρόσβασης):** admin **Enable DHCP (Ενεργοποίηση DHCP):** Yes (Ναι) (αν το καλώδιο WAN είναι συνδεδεμένο) **IP address (Διεύθυνση IP):** 19 .168.1.1 **Domain Name (Όνομα Τομέα):** (Άδειο) **Subnet Mask (Μάσκα υποδικτύου):** 55. 55. 55.0 **DNS Server 1 (Διακομιστής DNS 1):** 19 .168.1.1 **DNS Server 2 (Διακομιστής DNS 2):** (Άδειο) **SSID:** προεπιλεγμένο

Γνωστοποιήσεις

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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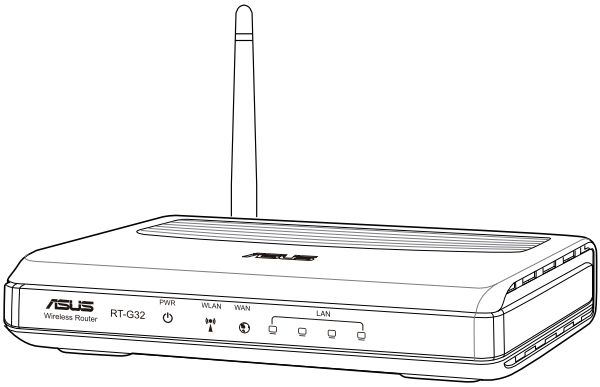
RT-G32
vezeték nélküli router



Felhasználói kézikönyv

HUG4264

Első kiadás
2008 December

Tartalomjegyzék

Tartalomjegyzék

A használati utasításról

Ez a használati útmutató információt tartalmaz az ASUS vezeték nélküli router telepítéséhez és konfigurálásához.

A kézikönyv szerkezete

A kézikönyv az alábbi fejezeteket tartalmazza:

- **1. fejezet: A vezeték nélküli router megismerése**
  A fejezet ismerteti a csomag tartalmát, a rendszerkövetelményeket, a hardverösszetevők leírását, illetve az ASUS vezeték nélküli router LED kijelzőit.

- **2. fejezet: A hardver üzembe helyezése**
  Ez a fejezet információkat ad az ASUS vezeték nélküli router telepítésével, elérésével és konfigurálásával kapcsolatban.

- **3. fejezet: A hálózati kliensek konfigurálása**
  Ez a fejezet utasításokat ad arról, hogy miként kell beállítani a vezeték nélküli klienseket a hálózaton, hogy együtt tudjanak működni az ASUS vezeték nélküli routerrel.

- **4. fejezet: Konfigurálás web-alapú grafikus felhasználói felületen keresztül**

  Ez a fejezet információkat ad, hogyan kell konfigurálni az ASUS vezeték nélküli routert a web-alapú grafikus felhasználói felületén (web GUI) keresztül.

- **5. fejezet: A segédprogramok telepítése**

  Ez a fejezet tájékoztatást nyújt a támogató CD-n található segédprogramokról.

- **6. fejezet: Hibaelhárítás**

  Ez a fejezet hibakeresési és -elhárítási útmutatót tartalmaz, amelynek segítségével megoldhatók az ASUS vezeték nélküli router használata közben esetleg előforduló problémák.

- **Függelékek**

  Ez a fejezet tartalmazza a szabályozási felhívásokat és biztonsági nyilatkozatokat.

A kézikönyvben felhasznált konvenciók

VESZÉLY: Tájékoztatás saját sérülésének elkerülése érdekében, ha valamilyen feladatot kíván végrehajtani.

VIGYÁZAT: Tájékoztatás a részegységek károsodásának elkerülése érdekében, ha valamilyen feladatot kíván végrehajtani.

FONTOS: A feladat végrehajtásához KÖTELEZŐEN betartandó utasítás.

MEGJEGYZÉS: Tippek és hasznos tájékoztatás a feladatok végrehajtásához.

1 A vezeték nélküli router megismerése

A csomag tartalma

Az ASUS vezeték nélküli router csomagjának az alábbi tételeket kell tartalmaznia.

- ☑ RT-G32 vezeték nélküli router
- ☑ Hálózati adapter
- ☑ Támogató CD (kézikönyv, segédprogramok)
- ☑ RJ45 kábel
- ☑ Gyors üzembe helyezési útmutató

Megjegyzés: amennyiben a tételek közül bármelyik sérült vagy hiányzik, lépjen kapcsolatba a forgalmazóval.

Rendszerkövetelmények

Az ASUS vezeték nélküli router telepítése előtt győződjön meg arról, hogy a rendszer/hálózat kielégíti az alábbi követelményeket:

- Ethernet RJ-45 csatlakozó (10BaseT/100BaseTX)
- Legalább egy IEEE 802.11b/g eszköz vezeték nélküli képességgel
- Telepített TCP/IP protokoll és internet-böngésző.
- Internet Explorer 6.0-s vagy újabb verzió támogatása.

Mielőtt folytatná

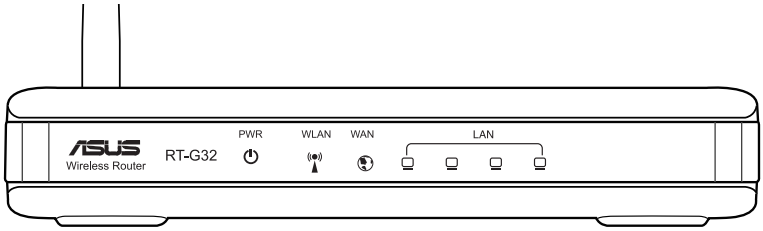
Vegye figyelembe az alábbi iránymutatást, mielőtt telepítené az ASUS vezeték nélküli routert:

- Az eszközt a hálózattal összekötő Ethernet kábel hossza (elosztó, ADSL/ kábelmodem, router, fali összekötő) nem haladhatja meg a 100 métert.
- Helyezze az eszközt stabil, vízszintes felületre úgy, hogy a talajtól a lehető legtávolabb legyen.
- Az eszközt tartsa távol a fém akadályoktól és a közvetlen napsütéstől.
- Az eszközt tartsa távol transzformátoroktól, nagyteljesítményű motoroktól, fénycsövektől, mikrohullámú sütőktől, hűtőszekrényektől és egyéb ipari berendezésektől a jel akadályozásának elkerülése érdekében.

- Az eszközt központi helyen telepítse, hogy ideális lefedettséget biztosítson valamennyi vezeték nélküli mobil eszköz számára.
- Az eszközt az emberi testtől legalább 20 cm távolságban telepítse, hogy biztosítsa a termék megfelelő működtetését a Szövetségi Távközlési Hatóság emberre vonatkozó rádiófrekvenciás besugárzási irányelvei szerint.

Hardverjellemzők

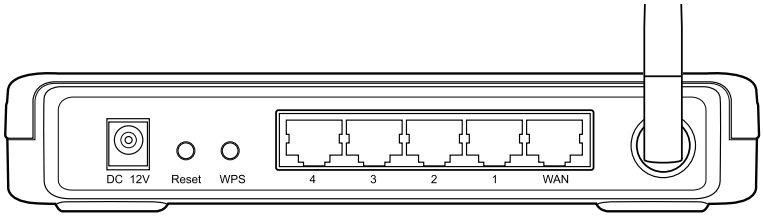
Előlap



Állapotjelzők

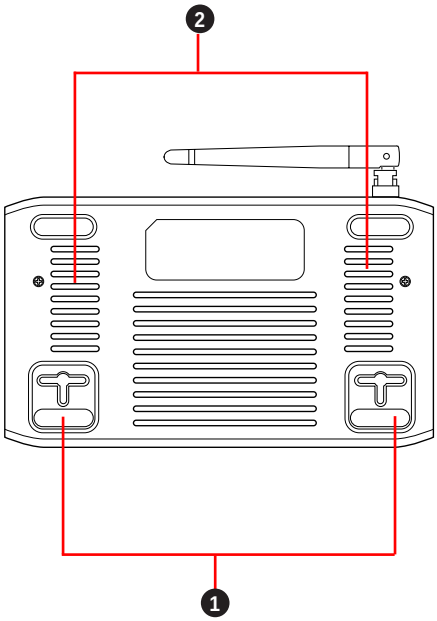
LED	Állapot	Jelentése
⏻ (Tápfeszültség)	Ki	Nincs áram
	Be	A rendszer készenlétben van
WLAN (vezeték nélküli hálózat)	Ki	Nincs áram
	Be	Vezeték nélküli rendszer készenlétben
	villog	Adatok sugárzása vagy fogadása (vezeték nélkül)
LAN 1-4 (Helyi hálózat)	Ki	Nincs áramforrás vagy fizikai kapcsolat
	Be	Fizikai kapcsolat áll fenn egy Ethernet hálózattal
	villog	Adatok sugárzása vagy fogadása (Ethernet kábelen keresztül)
WAN (Nagy kiterjedésű hálózat)	Ki	Nincs áramforrás vagy fizikai kapcsolat
	Be	Fizikai kapcsolat áll fenn egy Ethernet hálózattal
	villog	Adatok sugárzása vagy fogadása (Ethernet kábelen keresztül)

Hátlap



Elem	Leírás
ANTENNA	Az antennát kézzel állítsa más irányba a lehető legjobb vétel érdekében.
WPS	Nyomja meg ezt a gombot a Wi-Fi Protected Setup (WPS) indításához.
Reset	Nyomja meg és tartsa lenyomva három másodpercig a gyári alapértelmezett beállítások visszaállításához.
WAN	Csatlakoztasson RJ-45 Ethernet kábelt e csatlakozóhoz a WAN kapcsolat felépítéséhez.
LAN1-LAN4	Csatlakoztasson RJ-45 Ethernet kábelt e csatlakozókhoz a LAN kapcsolat felépítéséhez.
12 V egyenfeszültség (DC)	Csatlakoztassa a (DC) hálózati adaptert ehhez a csatlakozóhoz, hogy a routert áramforrásról működtesse.

Alsó panel



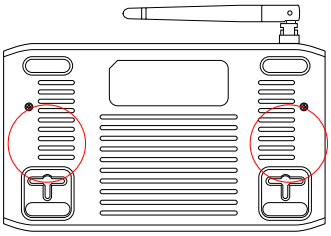
Elem	Leírás
1	**Akasztók** használja az akasztókat a router felszereléséhez beton- vagy fafelületre két darab gömbfejű csavar segítségével.
2	**Szellőzőnyílások** A router megfelelő szellőzését biztosítják.

Megjegyzés: további részletekért a router falra vagy mennyezetre szerelésével kapcsolatban tekintse meg a Felszerelési lehetőségek című részt a Kézikönyv következő oldalán.

Rögzítési lehetőségek

Az összeszerelést nem igénylő, azonnal üzemképes ASUS RT-G32 vezeték nélküli útválasztó megemelt, sima, egyenletes felületen (pl. iratszekrényen vagy könyvespolcon) való elhelyezéshez és használathoz lett kialakítva. Az eszköz falon vagy mennyezeten való rögzítéshez is átalakítható.

Az ASUS RT-G32 eszköz rögzítése:



1. Keresse meg az alsó részen található két rögzítőkampót.
2. Jelöljön ki a falon vagy egy megemelt, sima, egyenletes felületen két felső lyukat.
3. Rögzítsen két csavart a lyukakban oly módon, hogy csak az 1/4" jelölés látszódjon.
4. Erősítse rá az ASUS RT-G32 útválasztón lévő kampókat a csavarokra.

Megjegyzés: Ha az ASUS vezeték nélküli útválasztót nem lehet a csavarokon rögzíteni, vagy a rögzítés túl laza, állítsa be újra a csavarokat.

2 A hardver üzembe helyezése

A vezeték nélküli router üzembe helyezése

Az ASUS vezeték nélküli router megfelelő konfiguráció esetén különféle helyzetekben működőképes. Szükség lehet a vezeték nélküli router alapértelmezett beállításainak módosítására a vezeték nélküli környezet igényeinek megfelelően. Tartalmazza a EZSetup-t, egy segédprogramot, ami segítséget nyújt a biztonságos vezeték nélküli hálózat felépítésében.

Megjegyzés:

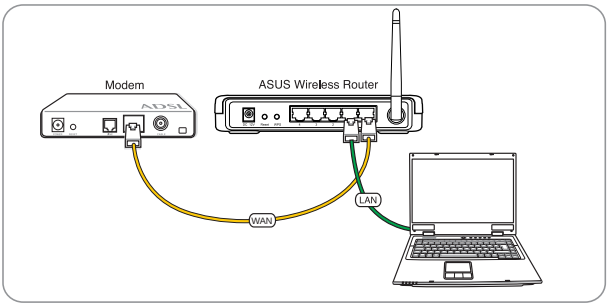
- További részletekért a EZSetup-sel kapcsolatban tekintse meg a felhasználói útmutató 4. fejezetének **EZSetup** című részét.

Vezetékes kapcsolat létesítése

Az ASUS vezeték nélküli routerhez a csomagban mellékeltünk egy Ethernet kábelt. Mivel a vezeték nélküli router beépített automata rendszerváltó funkcióval rendelkezik, patch vagy crosslink bekötésu kábelt használhat a vezetékes kapcsolat létesítéséhez.

Vezetékes kapcsolat létesítése:

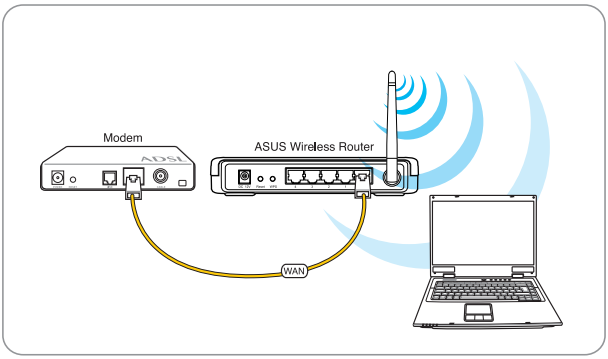
1. Kapcsolja be a routert és a modemet.
2. Használjon egy Ethernet kábelt, hogy összekösse a router WAN csatlakozóját a modemmel.
3. Használjon egy másik Ethernet kábelt, hogy összekösse a router LAN csatlakozóját a PC LAN csatlakozójával.



Vezeték nélküli kapcsolat létesítése

Vezeték nélküli kapcsolat létesítése:

1. Kapcsolja be a routert és a modemet.
2. Használjon egy Ethernet kábelt, hogy összekösse a router WAN csatlakozóját a modemmel.
3. Csatlakoztassa egy IEEE 802.11b/g kompatibilis WLAN kártyához. A vezeték nélküli kapcsolat létesítésére vonatkozó utasításokat illetően forduljon a vezeték nélküli adapter felhasználói kézikönyvéhez. Alapértelmezésképpen az ASUS vezeték nélküli router SSID azonosítója „default" (alapértelmezett) (kisbetűvel), a titkosítás le van tiltva és a nyílt rendszer hitelesítést alkalmazza.



A vezeték nélküli router konfigurálása

Az ASUS vezeték nélküli router web-alapú grafikus felhasználói felülettel (web GUI) rendelkezik, amely lehetővé teszi a vezeték nélküli router konfigurálását a számítógépen egy böngészőprogram segítségével.

A web GUI használata

Amennyiben a PC-je a routerhez kábellel kapcsolódik, indítson el egy böngészőprogramot és automatikusan megnyílik a router web GUI bejelentkező oldala.

Amennyiben a PC-je vezeték nélkül csatlakozik a routerhez, először hálózatot kell választania.

Hálózat választása:

1. Kattintson a **Start > Control Panel (Vezérlőpult) > Network Connections (Hálózati kapcsolatok) > Wireless Network Connection (Vezeték nélküli hálózati kapcsolat) elemre**.

2. Válasszon hálózatot a **Choose a wireless network (Vezeték nélküli hálózat választása)** ablakban. Várjon, amíg csatlakozik.

Megjegyzés: alapértelmezésképpen a vezeték nélküli router **SSID** beállítása default (alapértelmezett). Csatlakozzon ehhez az alapértelmezett SSID-hez.

3. A vezeték nélküli kapcsolat létrehozását követően indítsa el a böngészőprogramot.

Megjegyzés:

- másik megoldásként bebillentyűzheti a router alapértelmezett IP-címét (**192.168.1.1**) a böngészőprogram címsorába a router web-alapú felületének indításához.
- A hálózati beállítások web GUI segítségével történő konfigurálásával kapcsolatos részletekről e felhasználói útmutató 4. fejezet: Konfigurálás web-alapú grafikus felhasználói felületen keresztül című részében olvashat.

A hálózati kliensek konfigurálása 3

Hozzáférés a vezeték nélküli útválasztóhoz

IP-cím beállítása vezetékes és vezeték nélküli klienshez

A RT-G32 vezeték nélküli útválasztóhoz való hozzáférés érdekében meg kell adnia a megfelelő TCP/IP-beállításokat a vezetékes vagy vezeték nélküli kliensen. Az kliensek IP-címét a RT-G32 útválasztó ugyanazon alhálózatán belül adja meg.

Az ASUS vezeték nélküli router alapértelmezésképpen DHCP kiszolgálói funkciókat tartalmaz, ami automatikusan IP-címeket oszt ki a hálózaton lévő klienseknek.

Egyes esetekben azonban szükség lehet statikus IP-címek manuális kiosztására a hálózaton lévő egyes klienseknek vagy számítógépeknek ahelyett, hogy az IP-címeket automatikusan kérnék le a vezeték nélküli routerről.

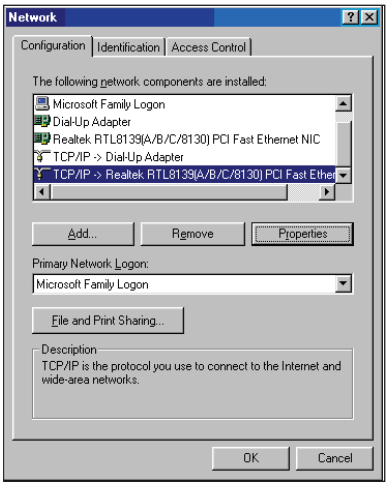
Kövesse az Ön kliensére vagy számítógépére telepített operációs rendszernek megfelelő utasításokat.

Megjegyzés: ha manuálisan kíván IP-címet kiosztani a kliensnek, az alábbi beállítások használatát javasoljuk:

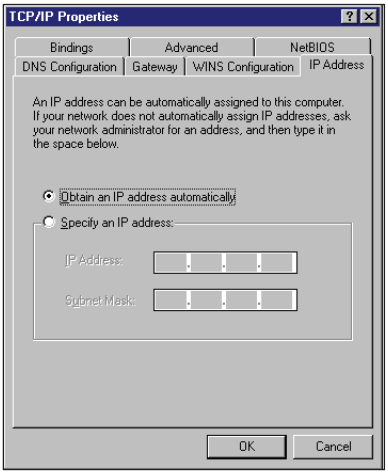
- **IP-cím:** 192.168.1.xxx (az xxx bármilyen, 2 és 254 közötti szám lehet. Győződjön meg arról, hogy az IP-címet más eszköz nem használja.)
- **Alhálózati maszk:** 255.255.255.0 (ugyanaz, mint az ASUS vezeték nélküli router)
- **Átjáró:** 192.168.1.1 (az ASUS vezeték nélküli router IP-címe)
- **DNS:** 192.168.1.1 (ASUS vezeték nélküli router), vagy ismert DNS-kiszolgáló kijelölése a hálózaton belül.

Windows® 9x/ME

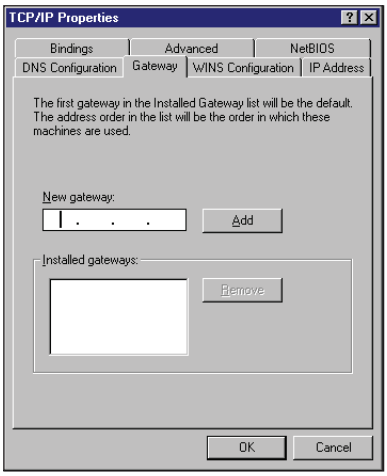
1. Kattintson a **Start** > **Control Panel (Vezérlőpult)** > **Network (Hálózat)** elemre a hálózat-beállítás ablak megnyitásához.
2. Jelölje ki a **TCP/IP** elemet, majd kattintson a **Properties (Tulajdonságok)** gombra.



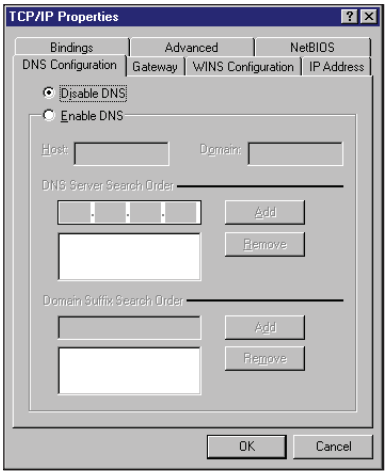
3. Ha az IP-cím automatikus lekérése mellett döntött, jelölje meg az **Obtain an IP address automatically (IP-cím automatikus lekérése)** elemet, majd kattintson az **OK** gombra. Ellenkező esetben kattintson a **Specify an IP address (IP-cím megadása)** elemre, majd billentyűzze be a megfelelő adatokat az IP address (IP-cím) és **Subnet Mask (Alhálózati maszk)** mezőkbe.



4. Jelölje ki a **Gateway (Átjáró)** fület és billentyűzze be a **New gateway (Új átjáró)** adatait, majd kattintson az **Add (Hozzáadás)** gombra.

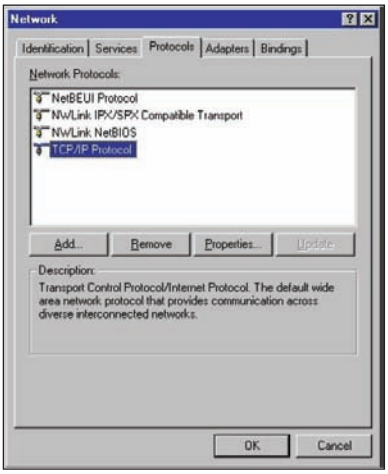


5. Jelölje ki a **DNS configuration (DNS konfiguráció)** fület, majd kattintson az **Enable DNS (DNS engedélyezése)** elemre. Billentyűzze be a **Host (Gazdagép)**, **Domain (Tartomány)** és **DNS Server Search Order (DNS kiszolgáló keresési sorrendje)** mezők adatait, majd kattintson az **Add (Hozzáadás)** gombra.
6. Kattintson az **OK** gombra.

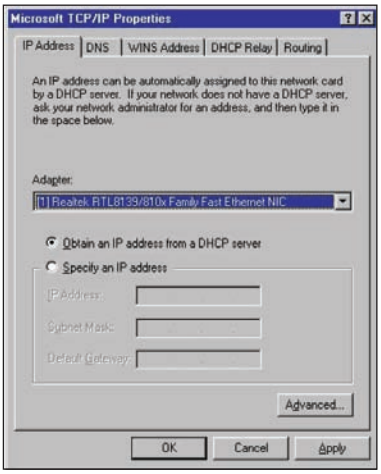


Windows® NT4.0

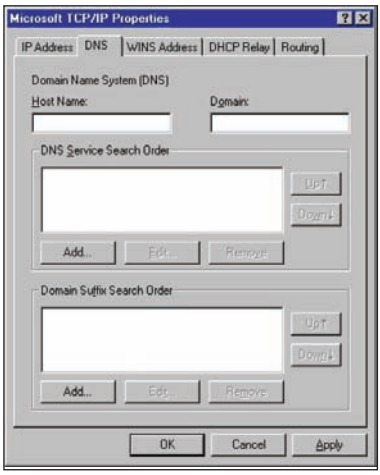
1. Lépjen a **Control Panel (Vezérőpult)** > **Network (Hálózat)** elemre a **Network setup (Hálózatbeállítás)** ablak megnyitásához, majd jelölje ki a **Protocols (Protokollok)** fület.
2. Jelölje ki a **TCP/IP Protocol** elemet a **Network Protocols (Hálózati protokollok)** listán, majd kattintson a **Properties (Tulajdonságok)** elemre.



3. A Microsoft TCP/IP Properties (TCP/IP tulajdonságok) ablak IP Address (IP-cím) fülén a következőket teheti:
   - Az Ön rendszerébe telepített hálózati adapter típusának kiválasztása.
   - Annak beállítása, hogy a router automatikusan osszon-e ki IP-címeket.
   - Az IP-cím, alhálózati maszk és alapértelmezett átjáró kézi beállítása.

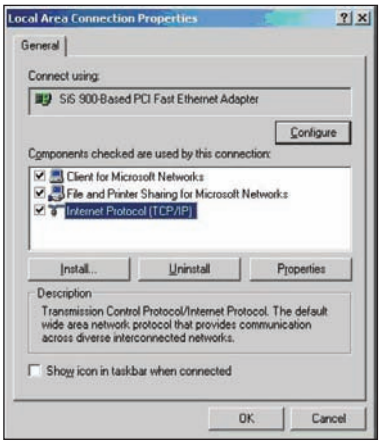


4. Jelölje ki a DNS fület, majd kattintson az **Add (Hozzáadás)** elemre a **DNS Service Search Order (DNS szolgáltatás keresési sorrendje)** menüben, majd billentyűzze be a DNS-t.

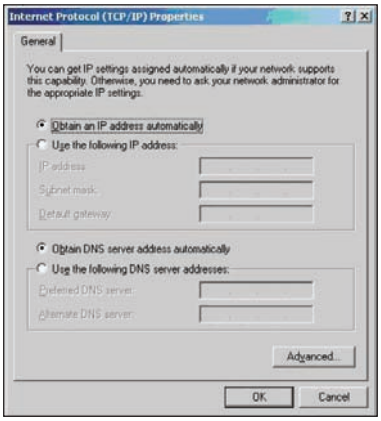


Windows® 2000

1. Kattintson a **Start** > **Control Panel (Vezérlőpult)** > **Network and Dial-up Connection (Hálózati és betárcsázós kapcsolat)** elemre. A jobb gombbal kattintson a **Local Area Connection (Helyi kapcsolat)** elemre és jelölje ki a **Properties (Tulajdonságok)** elemet.



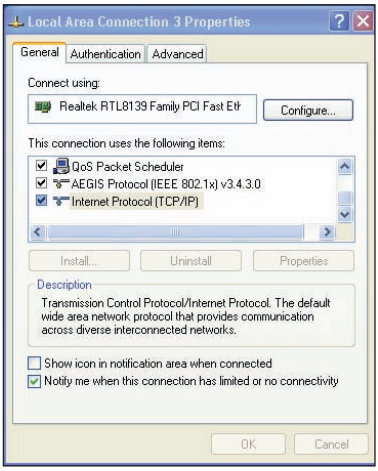
2. Jelölje ki az **Internet Protocol (TCP/IP)** tételt, majd kattintson a **Properties (Tulajdonságok)** gombra.
3. Jelölje ki az **Obtain an IP address automatically (IP-cím automatikus lekérése)** elemet, ha az IP-beállításokat automatikusan kívánja elvégezni. Ellenkező esetben jelölje ki a **Use the following IP address (A következő IP-cím használata:)** elemet: és billentyűzze be az **IP address (IP-címet)**, **Subnet mask (Alhálózati maszkot)** és **Default gateway (Alapértelmezett átjárót)**.



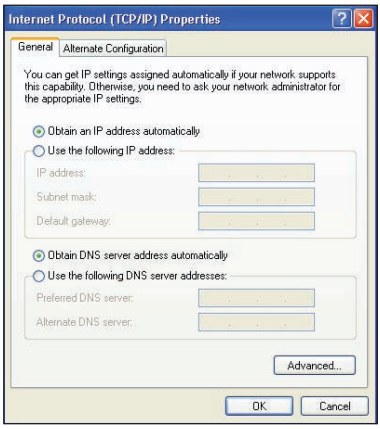
4. Jelölje ki az **Obtain an IP address automatically (IP-cím automatikus lekérése)** elemet, ha a DNS-kiszolgáló beállításokat automatikusan kívánja elvégezni. Ellenkező esetben jelölje ki a **Use the following DNS server address (A következő DNS-kiszolgálócím használata)**: elemet és billentyűzze be az **Preferred (Előnyben részesített)** és **Alternate DNS server (Alternatív DNS-kiszolgáló)** címét.
5. Kattintson az **OK** gombra, ha végzett.

Windows® XP

1. Kattintson a **Start** > **Control Panel (Vezérlőpult)** > **Network Connection (Hálózati kapcsolat)** elemre. A jobb gombbal kattintson a **Local Area Connection (Helyi kapcsolat)** elemre, majd jelölje ki a **Properties (Tulajdonságok)** elemet.



2. Jelölje ki az **Internet Protocol (TCP/IP)** elemet, majd kattintson a **Properties (Tulajdonságok)** gombra.
3. Jelölje ki az **Obtain an IP address automatically (IP-cím automatikus lekérése)** elemet, ha az IP-beállításokat automatikusan kívánja elvégezni. Ellenkező esetben jelölje ki a **Use the following IP address(A következő IP-cím használata)**: elemet és billentyűzze be az **IP address (IP-címet)**, **Subnet mask (Alhálózati maszkot)** és **Default gateway (Alapértelmezett átjárót)**.
4. Jelölje ki az **Obtain DNS server address automatically (DNS-kiszolgáló címének automatikus lekérése)** elemet, ha a DNS-kiszolgáló beállításait automatikusan kívánja elvégezni. Ellenkező esetben jelölje ki a **Use the following DNS server address (A következő DNS-kiszolgálócím használata)**: elemet és billentyűzze be az **Preferred and Alternate DNS server (Előnyben részesített és Alternatív DNS-kiszolgáló)** címét.
5. Kattintson az **OK** gombra, ha végzett.



4 Konfigurálás web-alapú grafikus felhasználói felületen keresztül

Konfigurálás web-alapú grafikus felhasználói felületen keresztül

A router web-alapú grafikus felhasználói felülete (web GUI) lehetővé teszi a következő szolgáltatások konfigurálását: **Settings (Beállítás).**

Konfigurálás web-alapú GUI-n keresztül:

1. A vezetékes vagy vezeték nélküli kapcsolat beállítása után indítson el egy böngészőprogramot. Automatikusan megtörténik a bejelentkező oldal indítása.

Megjegyzés: másik megoldásként bebillentyűzheti a router alapértelmezett IP-címét (**192.168.1.1)** a böngészőprogram címsorába a router web-alapú felületének indításához.

2. A bejelentkezési oldalon billentyűzze be az alapértelmezett felhasználónevet (**admin**) és jelszót (**admin**).
3. A főoldalon kattintson a navigáció menüre vagy a hivatkozásokra az ASUS vezeték nélküli router különféle szolgáltatásainak konfigurálásához.

A beállítások konfigurálása

Ez az oldal lehetővé teszi a router és a hálózat beállításainak konfigurálását. A következők beállításinak elvégzését teszi lehetővé: **Wireless (Vezeték nélküli), LAN, WAN, Firewall (Tűzfal), Administration (Kezelés)** és **System Log (Rendszernapló)**.

A Beállítások oldal indítása:

- Kattintson a **Setting (Beállítás)** elemre a képernyő bal oldali részén lévő navigációs

A firmware frissítése

Megjegyzés: Töltse le a legfrisseb firmware-verziót az ASUS weboldalról: **http://www.asus.com**

A firmware frissítése:

1. Kattintson az **Settings (Beállítás)** elemre a képernyő bal oldali részén lévő navigációs menüben.
2. Az **Administration (Kezelés)** menüben kattintson a **Firmware Upgrade (Firmware frissítés)** gombra.
3. **A New Firmware File (Új firmware-fájl)** mezőben kattintson a **Browse (Tallózás)** gombra, hogy megkeresse az új firmware-t a számítógépen.
4. Kattintson az **Upload (Feltöltés)** gombra. A feltöltési folyamat körülbelül három percet vesz igénybe.

Megjegyzés: Ha a frissítés sikertelen, a vezeték nélküli router automatikusan vészhelyzeti vagy meghibásodási módba lép és az előlapon lévő LED kijelző lassan villog. A rendszer visszaállításához használja a **Firmware helyreállítása (Firmware-helyreállítás)** segédprogramot. További részletekért a segédprogrammal kapcsolatban tekintse meg a felhasználói útmutató 5. fejezetének Firmware-helyreállítás című részét.

Beállítások visszaállítása/mentése/feltöltése

A beállítások visszaállítása/mentése/feltöltése:

1. Kattintson az **Settings (Beállítás)** elemre a képernyő bal oldali részén lévő navigációs menüben.
2. Az **Administration (Kezelés)** menüben kattintson a **Restore (Beállítás viszaállítása)/Save(mentése)/Upload Setting (feltöltése)** elemre.

3. Jelölje ki a végrehajtandó feladatot:
   - A gyári beállítások visszaállításához kattintson a **Restore (Visszaállítás)** elemre, majd kattintson az **OK** gombra a megerősítést kérő üzenetben.
   - Az aktuális rendszerbeállítások mentéséhez kattintson a **Save (Mentés)** gombra, majd kattintson a **Save (Mentés)** elemre a fájl letöltésére való ablakban, hogy a rendszerfájlt a kívánt helyre mentse.
   - Korábbi rendszerbeállítások visszaállításához kattintson a **Browse (Tallózás)** gombra a visszaállítandó rendszerfájl megkeresése érdekében, majd kattintson az **Upload (Feltöltés)** gombra.

5 A segédprogramok telepítése

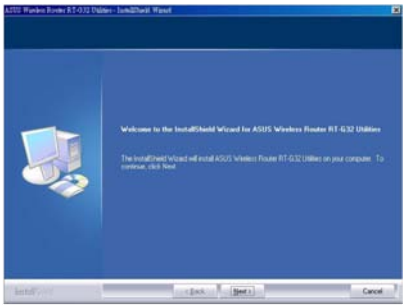
A segédprogramok telepítése

A támogató CD tartalmazza az ASUS vezeték nélküli router konfigurálásához szükséges segédprogramokat. Az ASUS WLAN segédprogramok telepítéséhez Microsoft® Windows alatt, helyezze a támogató CD-t a CD-meghajtóba. Ha az automatikus lejátszást letiltották, futtassa a setup.exe fájlt a támogató CD gyökérkönyvtárában.

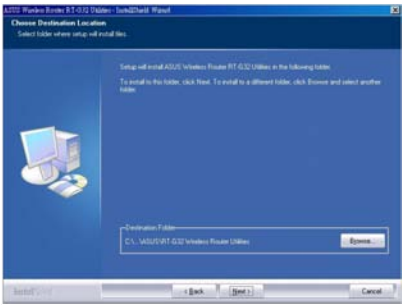
A segédprogramok telepítése:

1. Kattintson az **Install ASUS Wireless Router Utilities (ASUS vezeték nélküli router segédprogramok telepítése)** elemre.

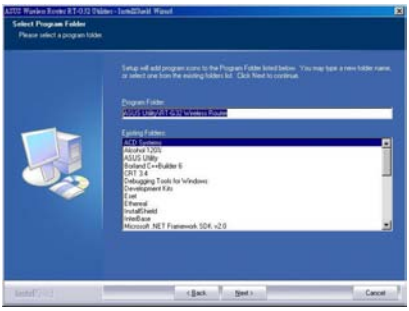
2. Kattintson a **Next (Tovább)** gombra.



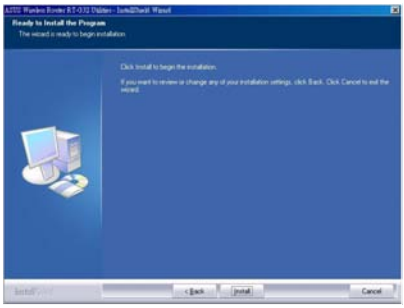
3. Kattintson a **Next (Tovább)** gombra az alapértelmezett célmappa kiválasztásához, vagy kattintson a **Browse (Tallózás)** gombra egy másik útvonal kiválasztásához.



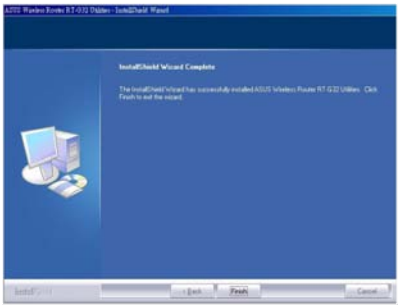
4. Kattintson a **Next (Tovább)** gombra.



5. Kattintson az **Install (Telepítés)** elemre a segédprogram telepítéséhez.



6. A telepítés végén kattintson a **Finish (Befejezés)** gombra.

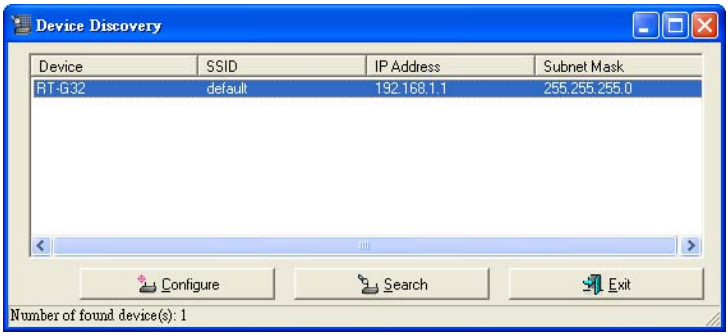


Device Discovery

A Device Discovery (Eszközfelderítés) az ASUS egyik WLAN segéprogramja, amely érzékeli az ASUS vezeték nélküli routert és lehetővé teszi annak konfigurálását.

A Device Discovery (Eszközfelderítés) futtatása:

- A számítógép asztalán kattintson a **Start > All Programs (Minden program) > ASUS Utility (ASUS segédprogram) > RT-G32 Wireless Router (RT-G32 vezeték nélküli router) > Device Discovery (Eszközfelderítés) elemre**.



Firmware helyreállítása

A Firmware helyreállítása segédprogram egy vészhelyzet esetén használható eszköz, amely automatikusan megkeresi azt az ASUS vezeték nélküli routert, amely a firmware feltöltése közben meghibásodott, és újra feltölti az Ön által megadott firmware-t. A folyamat körülbelül 3-4 percet vesz igénybe.

NE használja ezt a segédprogramot, amennyiben nem tapasztal rendellenes körülményeket, mint például sérült firmware, frissítési hiba vagy rendszerlefagyás.

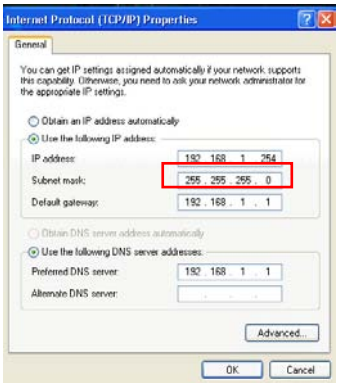
1. Töltse le a legfrisseb firmware-verziót a weboldalunkról: (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Bontsa ki a segédprogram-fájlt, majd futtassa a **Setup.exe** programot. Kattintson a **Next (Tovább)** gombra a telepítés befejezéséhez.

IP-cím manuális beállítása

Kattintson a **Start > Control Panel (Vezérlőpult) > Network Connection (Hálózati kapcsolat)** elemre. A jobb gombbal kattintson a Local Area Connection (Helyi kapcsolat) elemre, majd jelölje ki a **Properties (Tulajdonságok)** elemet.

Állítsa be manuálisan az IP-címet: (192.168.1.254).

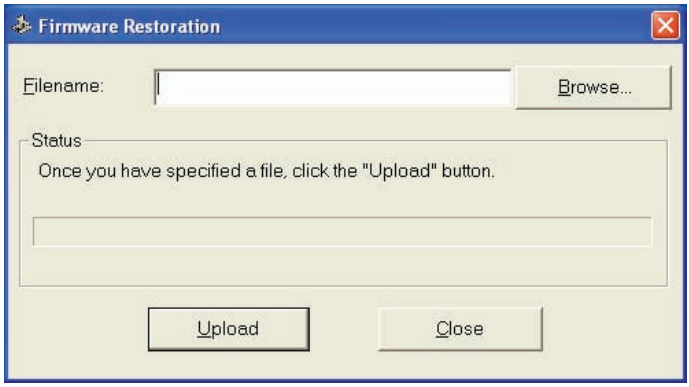
- Javasoljuk, hogy vezetékes kapcsolatot alkalmazzon és manuálisan állítsa be az IP-címet, hogy ideális átviteli környezetet teremtsen.
- Győződjön meg arról, hogy a PC tűzfala le van tiltva.



3. Kapcsolja ki a vezeték nélküli routert, majd nyomja meg és tartsa lenyomva az alaphelyzet gombot az eszköz újbóli bekapcsolásához. A vezeték nélküli eszköz mentés módba lép, miután a WAN LED villog.

NE kapcsolja ki vagy indítsa újra az eszközt a firmware frissítése közben! Ezzel rendszerindítási hibát okozhat!

4. A Windows® asztalon kattintson a **Start > All Programs (Minden program) > ASUS Utility (ASUS segédprogram) > RT-G32 Wireless Router (RT-G32 vezeték nélküli router) > Firmware Restoration (Firmware helyreállítása) elemre**.
5. Kattintson a **Browse (Tallózás)** elemre a firmware-fájl megkereséséhez, majd az **Upload (Feltöltés)** elemre.



6. A firmware sikeres feltöltését követően az eszköz automatikusan újraindul.

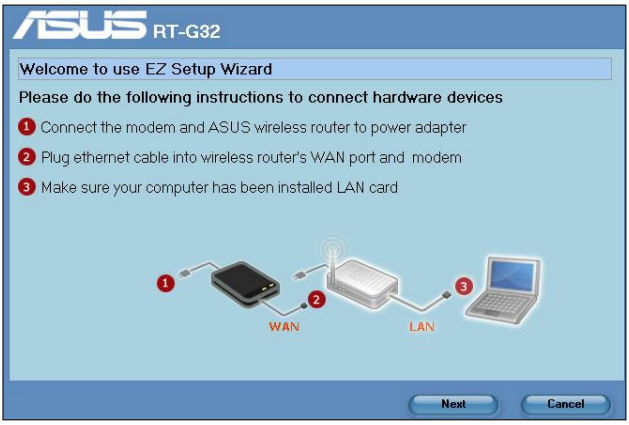
EZSetup

Az EZSetup egy segédprogram, amely a vezeték nélküli hálózat egyszerű beállítását teszi lehetővé.

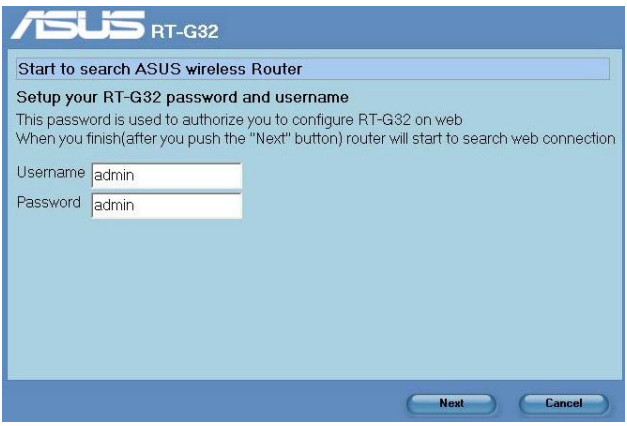
Mielőtt telepítené az EZSetup programot, győződjön meg arról, hogy az RT-G32 a modemhez vagy PC-hez csatlakozik egy RJ45 kábelen keresztül.

EZSetup használata:

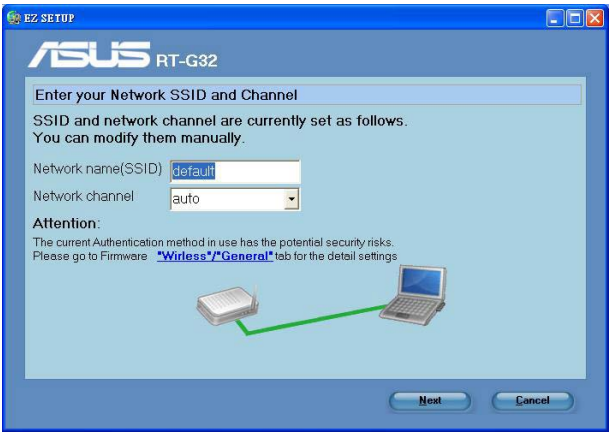
1. Kövesse az utasításokat a hardvereszközök csatlakoztatásához.Ha végzett, kattintson a **Next (Tovább)** elemre.



2. A vezeték nélküli router webes konfigurálásához billentyűzze be a felhasználónevet és jelszót. Ha végzett, kattintson a **Next (Tovább)** elemre.

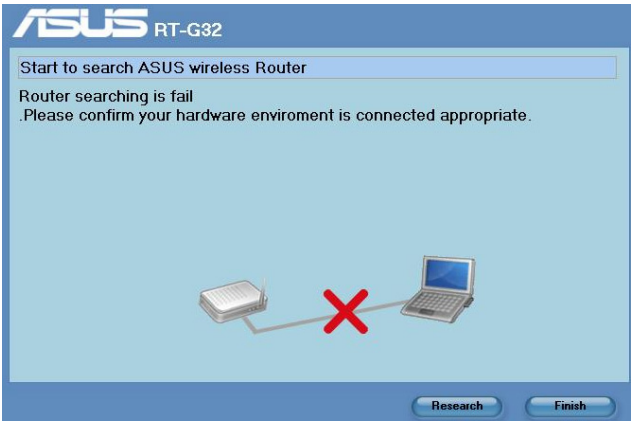


3. Miután beállította a hálózat SSID-jét és a csatornák kapcsolódnak, kattintson a **Next (Tovább)** gombra a folytatáshoz.



(Kapcsolódás)

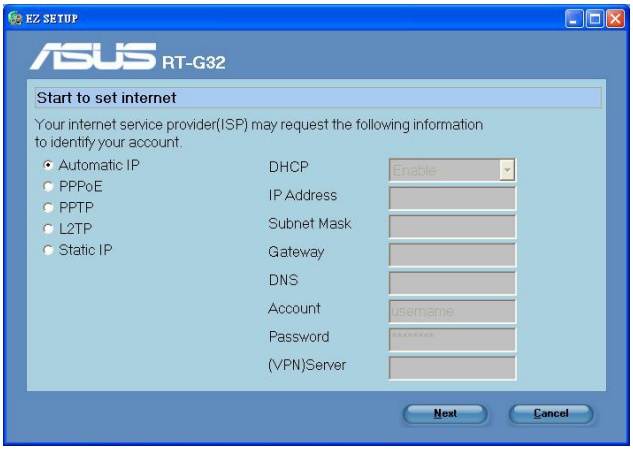
Ha nem sikerül kapcsolódni, győződjön meg arról, hogy hardverkörnyezet megfelelően csatlakozik, majd kattintson a **Research (Új keresés)** elemre az új kereséséhez.



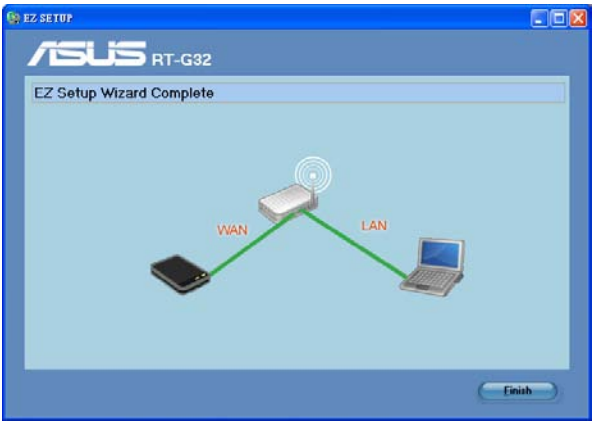
(Sikertelen kapcsolódás)

4. Kattintson a **Next (Tovább)** gombra az alapvető internet-szolgáltatói (ISP) kapcsolat beállításainak konfigurálásához. Kattintson a **Finish (Befejezés)** gombra a belső hálózati beállítások befejezéséhez.

5. Válassza ki a kapcsolat típusát az alábbi ISP szolgáltatástípusok közül: **Automatic IP (Dinamikus IP), PPPoE, PPTP, L2TP és Static IP (Statikus IP)**. Billentyűzze be a szükséges információkat az ISO kapcsolat típusának megfelelően. Ha végzett, kattintson a **Next (Tovább)** elemre.



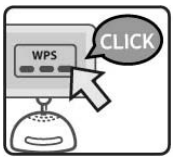
6. Ha végzett, kattintson a **Finish (Befejezés)** elemre.



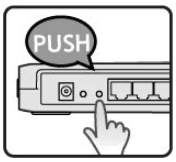
WPS gyorsgomb beállítás

Amikor egy PC-t WPS funkcióval rendelkező vezeték nélküli adapterhez (pl. ASUS USB-N11 és PCI-G31 adapter) csatlakoztat, kövesse az alábbi utasításokat a WPS gyorsbeállítás engedélyezéséhez.

1. A WPS funkció használatához győződjön meg arról, hogy mind az RT-G32 vezeték nélküli router, mind a másik számítógép vezeték nélküli szoftveres WPS funkciója engedélyezett.



2. Nyomja meg a WPS gombot az RT-G32 vezeték nélküli router hátlapján.



3. Az RT-G32 WLAN LED-je világít és lassan villog, amikor a WPS kapcsolat sikeresen létesült.

6 Hibaelhárítás

Hibaelhárítás

E hibakeresési és -elhárítási útmutató segítségével megoldhatók az ASUS vezeték nélküli router használata közben esetleg előforduló problémák. A problémákat az Ön által elvégezhető, egyszerű hibaelhárítással oldhatja meg. Ha a fejezetben esetleg nem említett problémával találkozik, akkor vegye fel a kapcsolatot az ASUS műszaki támogatással.

Probléma	Művelet
Nem érhető el böngészőprogram, amivel konfigurálhatnám a routert.	1. Indítsa el a böngészőprogramot, majd kattintson a **Tools (Eszközök) > Internet Options... (Internet-beállítások...) elemre**. 2. A **Temporary Internet Files (Ideiglenes internet-fájlok)** alatt kattintson a **Delete Cookies... (Sütik törlése...)** és **a Delete Files... (Fájlok törlése...) elemre**.
A kliens nem tud vezeték nélküli kapcsolatot létesíteni a routerrel.	**Tartományon kívül:** • Próbálja meg közelebb helyezni a routert a vezeték nélküli klienshez. • Próbálkozzon a csatornák állításával. **Hitelesítés:** • Használjon vezetékes kapcsolatot a routerhez történő kapcsolódáshoz. • Ellenőrizze a vezeték nélküli biztonsági beállításokat. • Nyomja meg legalább öt másodpercig a hátlapon lévő Restore (Visszaállítás) gombot. **A router nem található:** • Nyomja meg legalább öt másodpercig a hátlapon lévő Restore (Visszaállítás) gombot. • Ellenőrizze a vezeték nélküli adapter beállításait, pl. SSID és titkosítás.

Probléma	Művelet
Nem lehet csatlakozni az internethez a vezeték nélküli LAN adapteren keresztül	• Próbálja meg közelebb helyezni a routert a vezeték nélküli klienshez. • Ellenőrizze, hogy megfelelő vezeték nélküli routerhez csatlakozik-e a vezeték nélküli adapter. • Ellenőrizze, hogy a használatban lévő vezeték nélküli csatorna megegyezik az Ön országában/térségében használttal. • Ellenőrizze a titkosítási beállításokat. • Ellenőrizze, hogy az ADSL vagy kábel megfelelő csatlakozik-e. • Próbálkozzon újra egy másik Ethernet kábel használatával.
Az internet nem érhető el	• Ellenőrizze az ADSL modem és a vezeték nélküli router jelzőfényeit. • Ellenőrizze, hogy BE van-e kapcsolva a vezeték nélküli router WAN jelzésű LED-je. Ha a LED NEM világít, cserélje ki a kábelt, majd próbálkozzon újra.
Ha az ADSL modem „Link” jelzésű lámpája folyamatosan BE van kapcsolva (nem villog), az internet-elérés lehetséges.	• Indítsa újra a számítógépet. • Tekintse meg a vezeték nélküli router gyors üzembe helyezési útmutatóját, és végezze el újra a beállításokat. • Ellenőrizze, hogy BE van-e kapcsolva a vezeték nélküli router WAN jelzésű LED-je. • Ellenőrizze a vezeték nélküli titkosítás beállításait. • Ellenőrizze, hogy a számítógép le tudja-e kérni az IP-címet (mind vezetékes, mind vezeték nélküli hálózat esetében). • Győződjön meg arról, hogy az Ön böngészőprogramja helyi LAN használatához van konfigurálva, nem pedig proxy-szerver használatához.
Ha az ADSL „LINK” jelű lámpája folyamatosan villog, vagy nem világít, az internet elérése nem lehetséges – a router nem képes kapcsolatot létesíteni az ADSL hálózattal.	• Győződjön meg arról, hogy minden kábel megfelelően csatlakozik. • Húzza ki a tápkábelt az ADSL vagy kábelmodemből, várjon néhány percig, majd csatlakoztassa újra. • Ha az ADSL lámpa továbbra is villog, vagy KIKAPCSOLVA marad, vegye fel a kapcsolatot ADSL-szolgáltatójával.

Probléma	Művelet
Elfelejtette a hálózatnevet vagy a titkosítási kulcsokat	• Próbálkozzon vezetékes kapcsolat létesítésével, majd a vezeték nélküli titkosítás ismételt beállításával. • Nyomja meg legalább öt másodpercig a vezeték nélküli router hátlapján lévő Restore (Visszaállítás) gombot.
A rendszer visszaállítása az alapértelmezett értékekre.	• Nyomja meg legalább öt másodpercig a vezeték nélküli router hátlapján lévő Restore (Visszaállítás) gombot. • Olvassa el az **Restoring to the default settings (Alapértelmezett beállítások visszaállítása)** című részt a felhasználói kézikönyv 4. fejezetében. Az alábbiak a gyári alapbeállítások: **Felhasználónév:** admin **Jelszó**: admin **DHCP engedélyezése:** Igen (ha a WAN kábelt csatlakoztatták) **IP-cím:** 192.168.1.1 **Tartománynév:** (Üres) **Alhálózati maszk:** 255. 255. 255.0 **DNS-kiszolgáló 1**: 192.168.1.1 **DNS-kiszolgáló 2:** (Üres) **SSID:** alapértelmezett

Felhívások

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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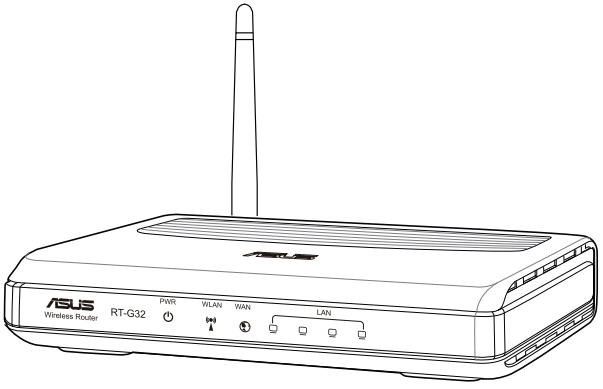
RT-G32
Router wireless



Manuale Utente

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Sommario

Sommario

Informazioni sul Manuale

Questo manuale contiene le informazioni per installare e configurare il Router Wireless ASUS.

Descrizione del Manuale

Il manuale è suddiviso nelle seguenti parti:

- **Capitolo 1: Descrizione del router wireless**
  Informazioni sul contenuto della confezione, i requisiti del sistema, le caratteristiche dell' hardware e gli indicatori LED del Router Wireless ASUS.

- **Capitolo 2: Installazione hardware**
  Istruzioni su installazione, accesso e configurazione del Router Wireless ASUS.

- **Capitolo 3: Configurazione client di rete**
  Modalità di configurazione dei client di rete per funzionare con il Router Wireless ASUS.

- **Capitolo 4: Configurazione tramite GUI web**
  Istruzione sulla configurazione del Router Wireless ASUS, mediante interfaccia grafica web (GUI web).

- **Capitolo 5: Installazione delle utilità**
  Informazioni sulle utilità disponibili nel CD di Supporto.

- **Capitolo 6: Risoluzione dei problemi**
  Guia alla risoluzine di problemi comuni nell' uso del Router Wireless ASUS.

- **Appendice**
  Comunicazioni sulle normative e le dichiarazioni in materia di sicurezza.

Simboli Convenzionali Utilizzati nel Manuale

AVVERTENZA: Informazioni per evitare di farsi male nel tentativo di completare un' operazione.

ATTENZIONE: Informazioni per evitare danni ai componenti, nel tentativo di completare un' operazione.

IMPORTANTE: Istruzioni da seguire obbligatoriamente per portare a termine un' operazione.

NOTA: Suggerimenti e informazioni aggiuntive, di ausilio nel completamento di un' operazione.

1 Descrizione del router wireless

Contenuto della Confezione

Controllare che nella confezione del Router Wireless ASUS siano contenuti i seguenti articoli:

- ☑ Router Wireless RT-G32
- ☑ Adattatore di Corrente
- ☑ CD di Supporto (manuale, utilità)
- ☑ Cavo RJ45
- ☑ Guida Rapida

NNota: Contattare il rivenditore, in caso di articoli danneggiati o mancanti.

Requisiti del Sistema

Prima di installare il Router Wireless ASUS, assicurarsi che il sistema/rete soddisfi i seguenti requisiti:

- Una porta Ethernet RJ-45 (10BaseT/100BaseTX)
- Almeno un dispositivo IEEE 802.11b/g con capacità wireless
- Un TCP/IP e un browser Internet
- Supporta Internet Explorer 6.0 o versioni successive.

Prima di Procedere

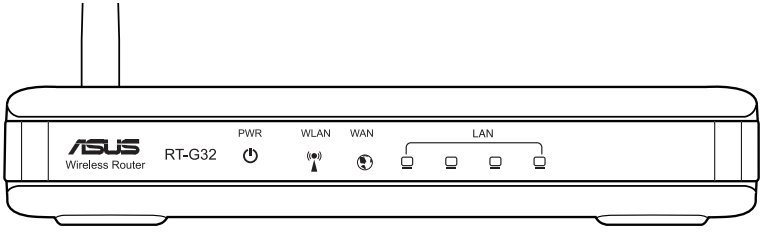
Prima di installare il Router Wireless ASUS, fare attenzione alle indicazioni di seguito:

- La lunghezza del cavo Ethernet, che collega il dispositivo alla rete (hub, modem ADSL/cavo, router, presa a muro) non deve superare i 100 metri.
- Porre il dispositivo su una superficie orizzontale e stabile, il più possible lontana da terra.
- Tenere il dispositivo libero da oggetti di metallo e lontano dalla luce diretta del sole.
- Tenere il dispositivo lontano da trasformatori, motori industriali, luci fluorescenti, forni a microonde, refrigeratori, ed altre apparecchiature industriali, per evitare la perdita del segnale.

- Installare il dispositivo in un'area centrale per fornire la copertura ideale per tutti i dispositivi mobili wireless.
- Installare il dispositivo ad almeno 20cm dalle persone, per essere sicuri che il funzionamento del prodotto sia conforme alle "RF Guidelines for Human Exposure" adottate dalla Federal Communications Commission.

Caratteristiche Hardware

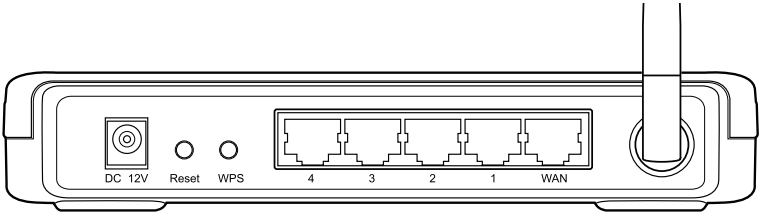
Pannello Frontale



Indicatori di Stato

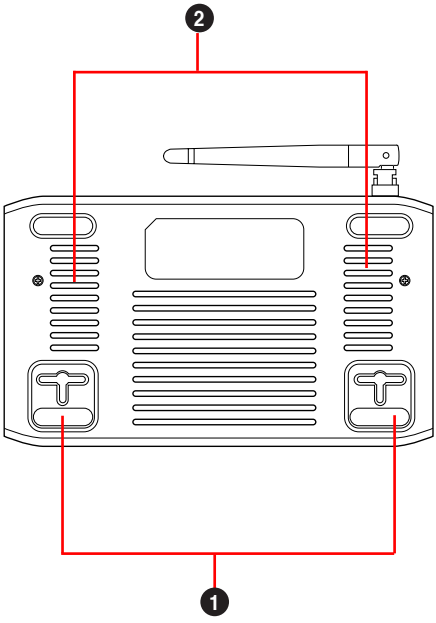
LED	Stato	Indicazione
⏻ (Power)	Spento	Assenza di alimentazione
	Acceso	Sistema pronto
WLAN (Wireless LAN)	Spento	Assenza di alimentazione
	Acceso	Sistema wireless pronto
	Lampeggiante	Trasmissione o ricezione dati (wireless)
LAN 1-4 (Local Area Network)	Spento	Assenza di alimentazione o di connessione fisica
	Acceso	Connessione fisica con una rete Ethernet
	Lampeggiante	Trasmissione o ricezione dati (via cavo Ethernet)
WAN (Wide Area Network)	Spento	Assenza di alimentazione o di connessione fisica
	Acceso	Connessione fisica con una rete Ethernet
	Lampeggiante	Trasmissione o ricezione dati (via cavo Ethernet)

Pannello Posteriore



Elemento	Descrizione
ANTENNA	Orientare a mano l'antenna per avere una ricezione migliore del segnale
WPS	Premere questo pulsante per lanciare la WPS (Wi-Fi Protected Setup – Configurazione Wi-Fi protetto)
Reset	Premere per tre secondi per ripristinare le impostazioni predefinite del costruttore
WAN	Porta per il collegamento di un cavo Ethernet RJ-45 per stabilire la connessione WAN.
LAN1-LAN4	Porte per il collegamento di cavi Ethernet RJ-45 per stabilire la connessione LAN.
CC 12V	Inserire l'adattatore CC in questa presa per collegare il router ad una sorgente di alimentazione.

Pannello Inferiore

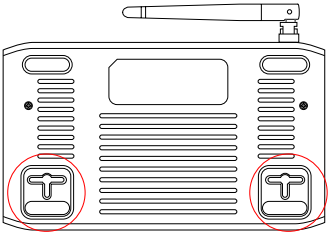


Elemento	Descrizione
1	**Ganci di montaggio** Usare i ganci di montaggio per installare il router su superfici in cemento e legno utilizzando due viti a testa rotonda.
2	**Aperture ventilazione** Queste ventole forniscono la ventilazione al router.

Nota: Per i dettagli sul montaggio del router a parte o su soffitto, fare riferimento alla sezione Opzioni di montaggio nella pagina successiva del manuale.

Opzioni di Montaggio

Dopo essere stato prelevato dalla confezione, il Router Wireless ASUS RT-G32 è stato progettato per essere posto su di una superficie piana rialzata, come un armadietto per documenti o una mensola. Il dispositivo potrebbe anche essere adattato al montaggio su parete o soffitto.



Per montare ASUS RT-G32:

1. Localizzare i due ganci per il montaggio, sul lato inferiore dell'apparecchio.
2. Segnare la posizione dei due fori superiori su una parete o su di una superficie piana rialzata.
3. Stringere le due viti, sino a quando restano esposte solo per 1/4".
4. Fissare i ganci di ASUS RT-G32 sulle viti.

Nota: Se il Router Wireless ASUS non è ben fissato o troppo allentato, regolare nuovamente le viti.

2 Installazione hardware

Installazione del Router Wireless

Il Router Wireless ASUS se opportunamente configurato, è in grado di soddisfare le esigenze di vari ambienti di lavoro. Le impostazioni predefinite del router wireless potrebbero richiedere delle modifiche, in modo da rispondere alle necessità dell' ambiente wireless. E' inoltre dotato di EZSetup, un' utilità per configurare facilmente una rete wireless protetta.

Note

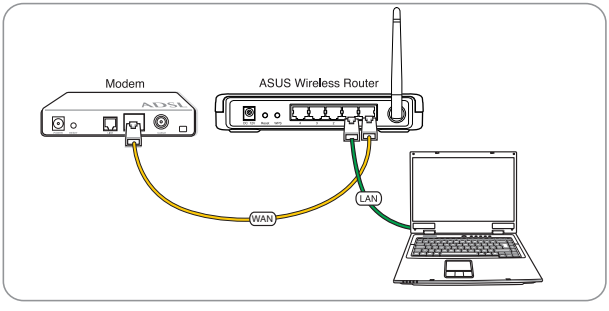
- Per approfondimenti su **EZSetup**, consultare il paragrafo EZSetup nel capitolo 5 di questo manuale

Connessione via Cavo

Il Router Wireless ASUS è fornito di un cavo Ethernet,compreso nella confezione. Dato che il router dispone della funzione integrata auto-crossover, per la connessione via cavo è possibile utilizzare sia cavi incrociati che diretti.

Per impostare la connessione via cavo:

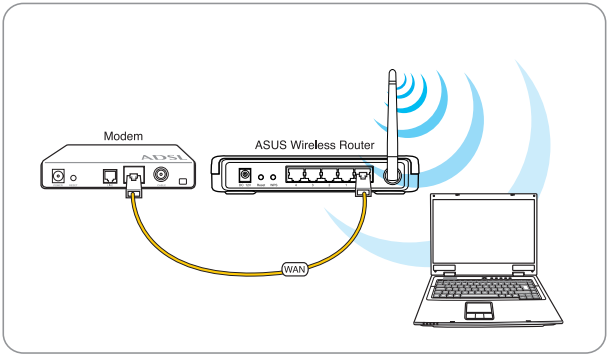
1. Accendere il router e il modem.
2. Mediante un cavo Ethernet, collegare la porta WAN del router al modem.
3. Tramite un altro cavo Ethernet, collegare la porta WAN del router alla porta LAN del PC.



Connessione Wireless

Per impostare una connessione wireless:

1. Accendere il router e il modem.
2. Mediante cavo Ethernet, collegare il modem alla porta WAN del router.
3. Collegare una scheda WLAN compatibile con IEEE 802.11b/g. Consultare il manuale utente dell' adattatore wireless per la procedura di connessione senza fili. L'SSID del Router Wireless ASUS è pre-impostato su "default" (in lettere minuscole), la crittografia è disattivata ed è utilizzata l'autenticazione a sistema aperto.



Configurazione del Router Wireless

Il Router Wireless ASUS è dotato di un' interfaccia grafica web (web GUI), che permette la configurazione del router tramite un browser web del computer.

Tramite GUI Web

Se si collega il PC al router via cavo, avviare un browser web e sarà automaticamente aperta la pagina di login dell' interfaccia web del router.

Se si collega il PC al router per via wireless, selezionare innanzitutto la rete.

Per selezionare la rete:

1. Cliccare **Start > Pannello di Controllo > Connessioni di Rete > Connessioni** di Rete senza Fili.
2. Selezionare una rete dalla finestra Selezionare una rete senza fili e attendere la connessione.

Nota: SSID predefinito del router wireless è default. Collegare a questo **SSID** predefinito.

3. Dopo aver stabilito una connessione wireless, avviare un browser web.

Note:

- E' inoltre possibile digitare manualmente l' indirizzo IP predefinito del router (**192.168.1.1**) per avviare l' interfaccia web del router.
- Per approfondimenti sulla configurazione del router wireless tramite GUI web, consultare il Capitolo 4: Configurazione via GUI web.

3 Configurazione client di rete

Accesso al Router Wireless

Impostazione indirizzo IP per client via cavo o wireless

Per accedere al Router Wireless ASUS, le impostazioni TCP/IP sui client connessi via cavo o wireless devono essere corrette. Assicurarsi che gli indirizzi IP dei client siano nella stessa sottorete del Router Wireless ASUS.

Il Router Wireless ASUS è pre-impostato in modo da integrare le funzioni di server DHCP, che assegna automaticamente gli indirizzi IP ai client della rete.

In alcuni casi, potrebbe essere necessario assegnare manualmente gli indirizzi IP statici su alcuni client o computer di rete, piuttosto che riceverli automaticamente dal router wireless.

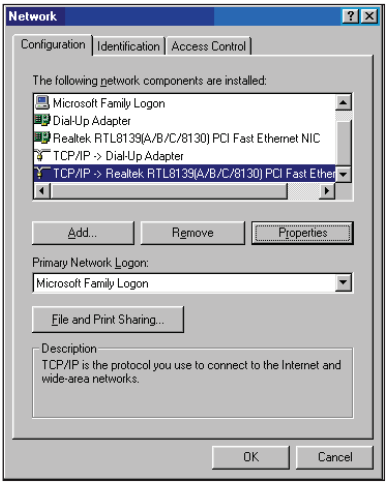
Seguire le indicazioni sottostanti,che corrispondono al sistema operativo installato nel client o computer.

Nota: Per assegnare manualmente un indirizzo IP ad un client, è consigliabile utilizzare le seguenti impostazioni:

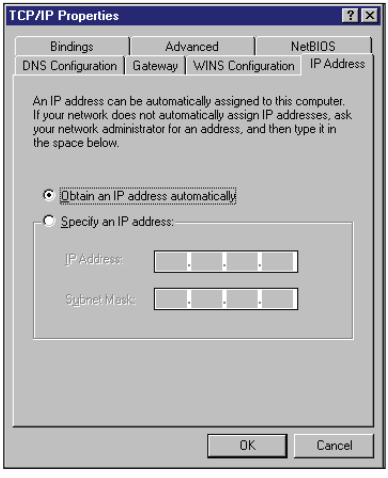
- **Indirizzo IP:** 192.168.1.xxx (xxx può essere un umero compreso fra 2 e 254. Assicurarsi che l' indirizzo IP non sia utilizzato da un altro dispositivo)
- **Subnet Mask:** 255.255.255.0 (come per il Router Wireless ASUS)
- **Gateway:** 192.168.1.1 (indirizzo IP del Router Wireless ASUS)
- **DNS:** 192.168.1.1 (Router Wireless ASUS) oppure assegnare un server DNS noto nellarete.

Windows® 9x/ME

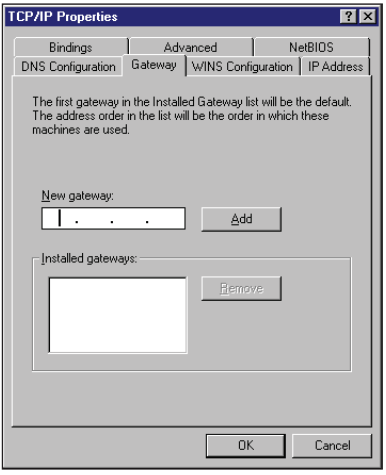
1. Cliccare **Start** > **Pannello di Controllo** > **Rete** per visualizzare la finestra della configurazione di rete.
2. Selezionare **TCP/IP** e poi **Proprietà**



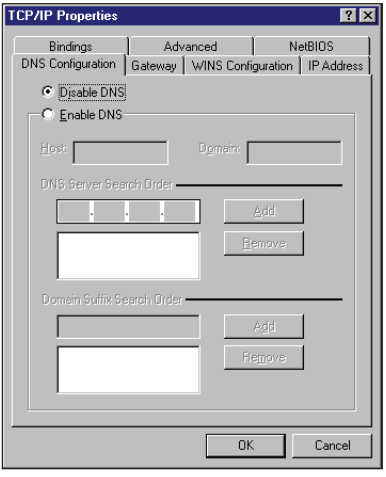
3. Per ricevere automaticamente un indirizzo IP per il computer, cliccare **Ottieni automaticamente un indirizzo IP** e poi premere OK. Altrimenti, cliccare **Specifica un indirizzo IP**, e digitare **indirizzo IP** e **Subnet Mask**.



4. Selezionare la scheda **Gateway**, e digitare **Nuovo gateway,** quindi premere **Aggiungi**.

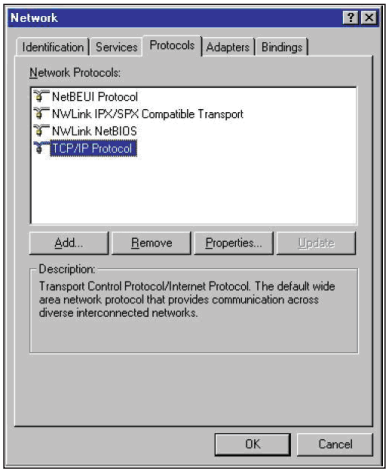


5. Selezionare la scheda **Configurazione DNS** e cliccare **Abilita DNS**. Inserire **Host**, **Dominio** e **Ordine di Ricerca Server DNS**, quindi premere **Aggiungi**.
6. Premere **OK**.

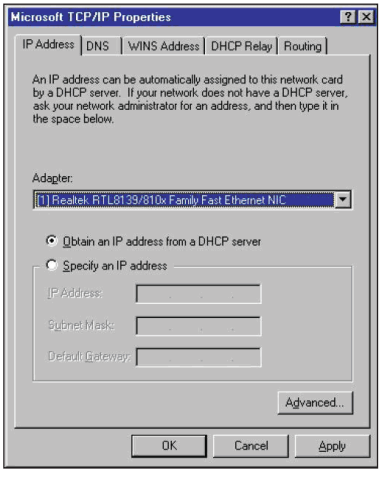


Windows® NT4.0

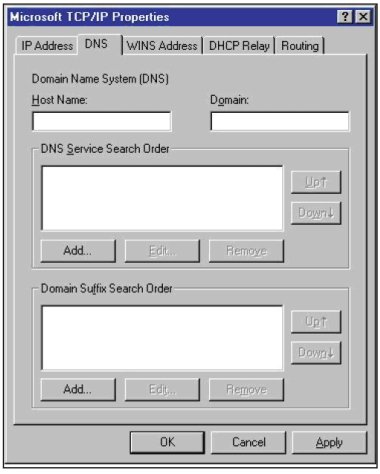
1. Selezionare **Pannello di Controllo > Rete** per visualizzare la finestra della configurazione di rete e poi aprire la scheda **Protocolli**.
2. Selezionare **TCP/IP Protocol** dall' elenco dei Protocolli di Rete e poi premere **Proprietà**.



3. Dalla scheda Indirizzo IP delle finestre Proprietà TCP/IP Microsoft, è possibile:
   - Selezionare il tipo di adattatore di rete installato nel sistema.
   - Configurare il router per assegnare automaticamente l' indirizzo IP.
   - Impostare manualmente indirizzo IP, subnet mask e gateway predefinito.

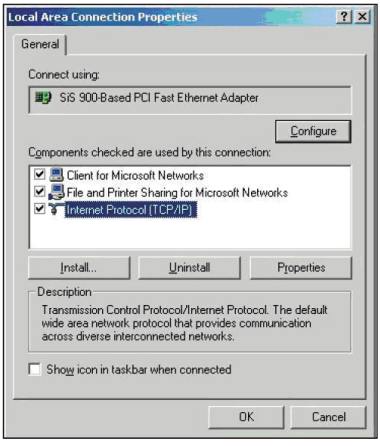


4. Selezionare la scheda DNS e cliccare **Aggiungi** in **Ordine di Ricerca Servizio DNS** e digitare il DNS.

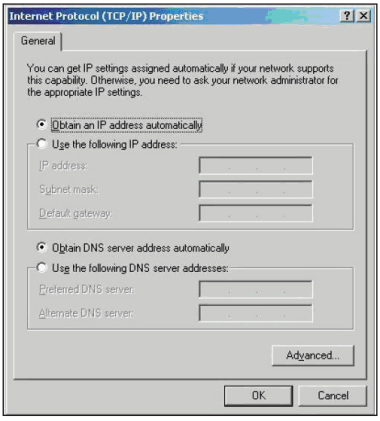


Windows® 2000

1. Cliccare **Start** > **Pannello di Controllo** > **Connessione di Rete e Dial-up**. Con il tasto di destra, selezionare **Local Area Connection** e poi **Proprietà**.

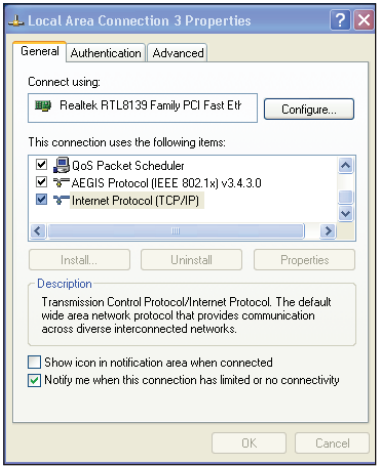


2. Selezionare **Internet Protocol (TCP/IP)**, e poi **Proprietà**.
3. Selezionare **Ottieni automaticamente un indirizzo IP** per l' impostazione autoatica delle impostazioni IP. Altrimenti, selezionare **Utilizza il seguente indirizzo IP**: e inserire **indirizzo IP**, **Subnet mask**, e **Gateway predefinito**.
4. Selezionare **Ottieni indirizzo server automaticamente** per l' assegnazione automatica elle impostazioni del server DNS. Altrimenti, seleZIONARE **Utilizza i seguenti indirizzi server DNS**: e inserire server DNS **Preferito** e **Alternativo**.
5. Al termine, premere **OK**.

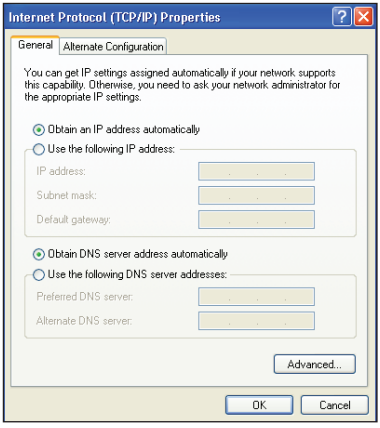


Windows® XP

1. Cliccare **Start > Pannello di Controllo > Connessione** di Rete. Con il tasto di destra, selezionare Local Area Connection e poi Proprietà.



2. Selezionare **Internet Protocol (TCP/IP)**, e poi premere **Proprietà**.
3. Selezionare **Ottieni automaticamente un indirizzo IP** per l' impostazione autoatica delle impostazioni IP. Altrimenti, selezionare **Utilizza il seguente indirizzo IP**: e inserire **indirizzo IP**, **Subnet mask**, e **Gateway predefinito**.
4. Selezionare **Ottieni indirizzo server automaticamente** per l' assegnazione automatica elle impostazioni del server DNS. Altrimenti, seleZIONARE **Utilizza i seguenti indirizzi server DNS**: e inserire server DNS **Preferito** e **Alternativo**.
5. Al termine, premere **OK**.



4 Configurazione tramite GUI web

Configurazione tramite GUI web

L' interfaccia grafica web del router (GUI web) permette di configurare le seguenti funzionalità: **Setting (Impostazioni)**.

Per configurare tramite GUI web:

1. Dopo aver configurato una connessione via cavo o wireless, avviare un browser web. Appare automaticamente la pagina di accesso.

Note: Per avviare l' interfaccia web del router, è anche possibile digitarne manualmente l' indirizzo IP predefinito (**192.168.1.1**).

2. Alla pagina di accesso, digitare il nome utente predefinito (**admin**) e la password predefinita (**admin**).
3. Dalla pagina principale, cliccare sul menu di navigazione o sui collegamenti per configurare le varie funzionalità del Router Wireless ASUS.

Configurazione delle impostazioni

Questa pagina consente di configurare le impostazioni del router e della rete. Consente di configurare le impostazioni per: **Wireless, LAN, WAN, Firewall, Administration (Amministrazione),** e **System Log (Registro di sistema)**.

Per lanciare la pagina delle Configurazioni:

- Fare clic su **Setting (Impostazioni)** dal menu di navigazione che si trova sul lato sinistro dello schermo.

Upgrade del Firmware

Nota: Scaricare il firmware più aggiornato, dal sito web ASUS: **http://www.asus.com**

Per effettuare upgrade the firmware:

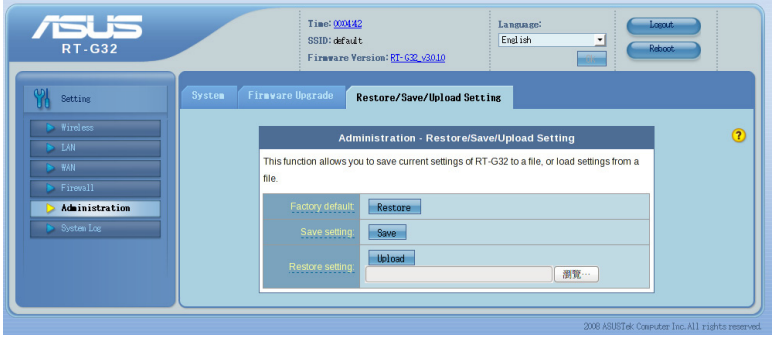
1. Cliccare **Setting (Impostazioni)** dal menu di navigazione sul lato sinistro dello schermo.
2. Dal menu **Administration (Amministrazione)**, cliccare Firmware Upgrade.
3. Nel campo **New Firmware File (Nuovo File Firmware)**, cliccare **Browse (Sfoglia)** per individuare il nuovo firmware nel computer.
4. Cliccare **Upload**. L' operazione richiede circa tre minuti.

Note: Se l' upgrade non riesce, il router wireless entra automaticamente in modalità di emergenza o guasto e l' indicatore di alimentazione LED, sul pannello frontale, inizia a lampeggiare lentamente. Per ripristinare il sistema, utilizzare l' utilità **Firmware Restoration**. Per approfondimenti su questa utilità, consultare il paragrafo Ripristino del Firmware nel Capitolo 5 del manuale.

Ripristino/Salvataggio/Caricamento Impostazioni

Per ripristinare/salvare/caricare le impostazioni:

1. Cliccare **Setting (Impostazioni)** dal menu di navigazione sul lato sinistro della schermata.
2. Dal menu **Administration (Amministrazione)**, cliccare **Restore/Save/Upload Setting (Ripristina/Salva/Carica Impostazioni)**.



3. Selezionare le operazioni da eseguire:
   - Per ripristinare le impostazioni di fabbrica, cliccare **Restore (Ripristina)**, e poi premere **OK** dal messaggio di conferma.
   - Per salvare le attuali impostazioni del sistema, cliccare **Save (Salva)**, nella finestra di download del file, per salvare il file di sistema nel percorso preferito.
   - Per ripristinare le precedenti impostazioni del sistema, cliccare **Browse (Sfoglia)** per individuare il file di sistema da ripristinare e poi cliccare Upload.

5 Installazione delle utilità

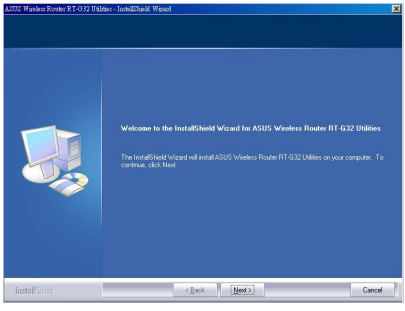
Installazione delle Utilità

Nel CD di Supporto sono contenute le utilità per la configurazione del Router Wireless ASUS. Per installare le Utilità WLAN ASUS in Microsoft® Windows, inserire il CD di Supporto nell' unità per CD. Se è disattivata la funzione di Esecuzine Automatica, eseguire setup.exe dalla cartella root del CD di Supporto.

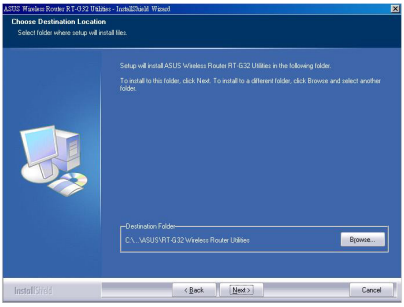
Per installare le utilità:

1. Fare clic su **Install ASUS Wireless Router Utilities (Installa utilità per il router wireless ASUS)**.

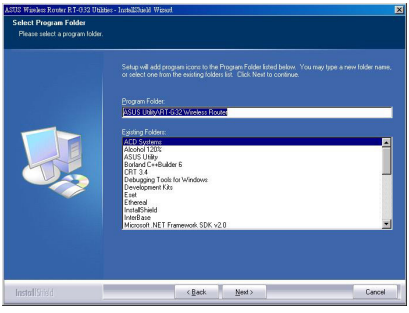
2. Cliccare **Next (Avanti)**.



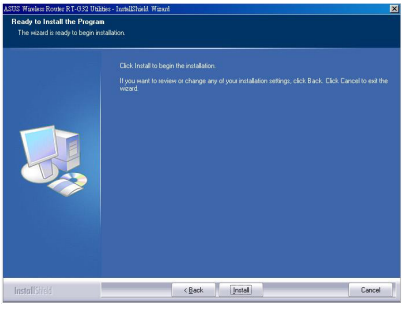
3. Cliccare **Next (Avanti)** per accettare la cartella di destinazione predefinita oppure **Browse (Sfoglia)** per specificare un altro percorso.



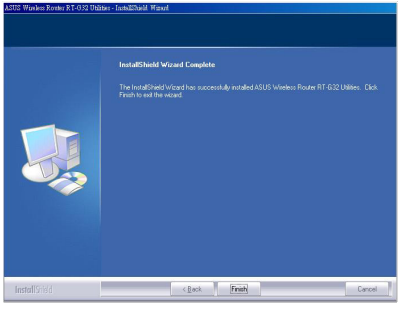
4. Fare clic su **Next (Avanti)**.



5. Fare clic su **Install (Installa)** per installare le utilità.



6. Al termine dell' operazione, cliccare **Finish (Fine)**.

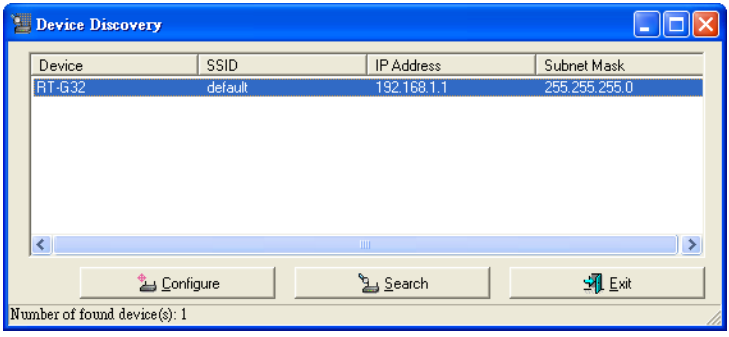


Device Discovery

Device Discovery è un' utilità WLAN ASUS, che rileva un dispositivo, come il Router Wireless ASUS permettendone la configurazione.

Per avviare l' utilità Device Discovery:

- Dal desktop del computer, cliccare **Start > Tutti i Programmi > ASUS Utility > RT-G32 Wireless Router (Router Wireless RT-G32) > Device Discovery**.



Firmware Restoration

Firmware Restoration è un' utilità che ricerca un Router Wireless ASUS, in cui non riesce l' operazione di upgrade del proprio firmware, quindi ripristina o ri-carica il firmware che si specifica. L' operazione richiede tre-quattro minuti.

NON utilizzare questa utilità a meno che si siano rilevate situazioni anomale, quali firmware corrotto, impossibilità di eseguire l'aggiornamento, o collasso del sistema.

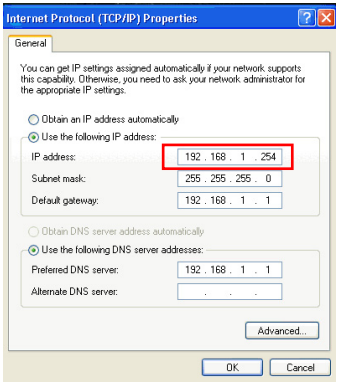
1. Scaricare a versione più recente del firmware e delle utilità dal nostro sito Internet (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Decomprimere il file con le utilità e quindi eseguire Setup.exe. Fare clic su **Next (Avanti)** per completare l'installazione.

Configurare manualmente l'indirizzo IP

Fare clic su **Start > Control Panel (Pannello di controllo) > Network Connection (Connessione di rete)**. Fare clic con il tasto destro su **Local Area Connection (Connessione area locale)** quindi selezionare **Properties (Proprietà)**.

Configurare a mano l'indirizzo IP (192.168.1.254).

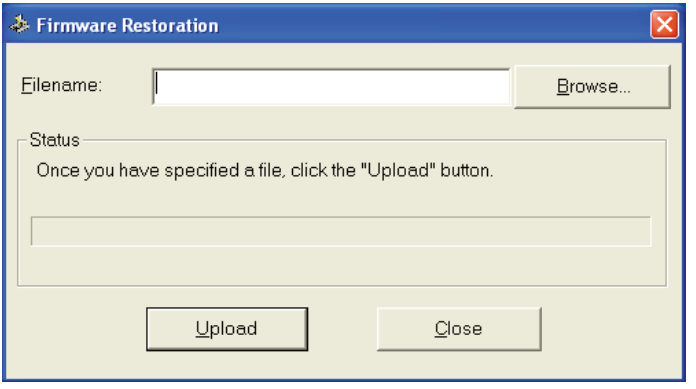
- Si raccomanda di utilizzare una connessione cablata e impostare manualmente l'indirizzo IP in modo da utilizzare un ambiente ideale per la trasmissione.
- Verificare che il firewall sia disattivato sul PC.



3. Spegnere il router wireless, tenere premuto il pulsante per il ripristino e quindi accendere di nuovo il dispositivo Il dispositivo wireless passa in modalità recupero una volta che il LED della WAN lampeggia.

NON spegnere o ripristinare il dispositivo quando si aggiorna il firmware! In caso contrario vi è il rischio di problemi all'avvio del computer!

4. Dal desktop Windows, fare clic su **Start > All programs (Tutti i programmi) > ASUS Utility (Utilità ASUS) > RT-G32 Wireless Router (Router wireless RT-G32) > Firmware Restoration (Ripristina Firmware)**.
5. Fare clic su **Browse (Sfoglia)** per scegliere il file del firmware e quindi fare clic su **Upload (Aggiorna)**.



6. Dopo avere completato con successo il caricamento del firmware, il dispositivo si riavvia automaticamente.

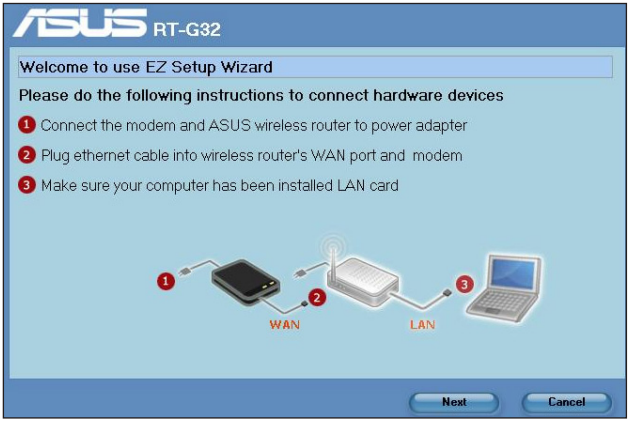
EZSetup

EZSetup è una utilità che consente di configurare in modo semplice la rete wireless.

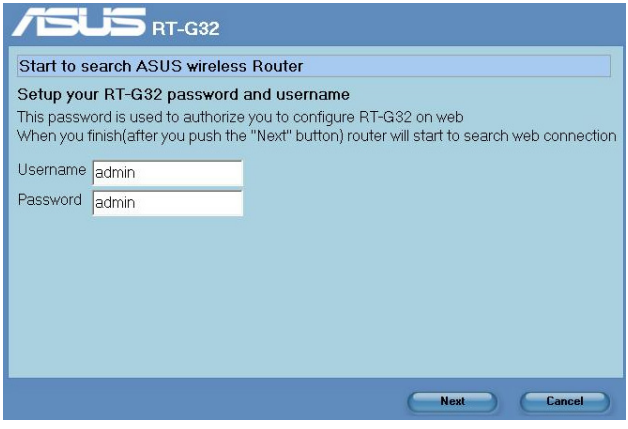
Prima di installare EZSetup, verificare che RT-G32 sia collegato al modem o al PC utilizzando un cavo RJ45.

Per utilizzare EZSetup:

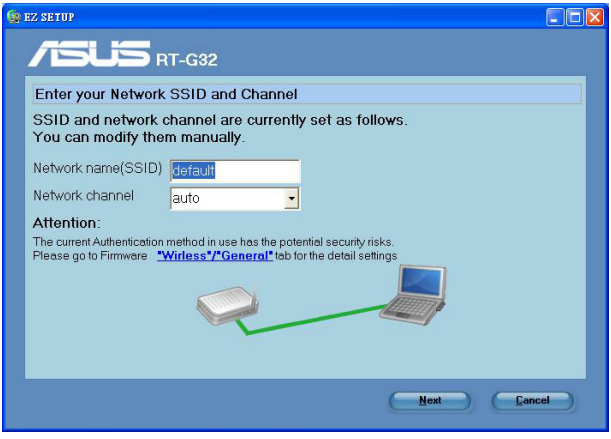
1. Seguire le istruzioni fornite per collegare il dispositivo hardware. Una volta completato, fare clic su **Next (Avanti)**.



2. Digitare il nome utente e la password per configurare il router wireless in Internet. Una volta completato, fare clic su **Next (Avanti)**.



3. Dopo avere configurato la rete, SSID ed il canale sono collegati, fare clic su **Next (Avanti)** per continuare.

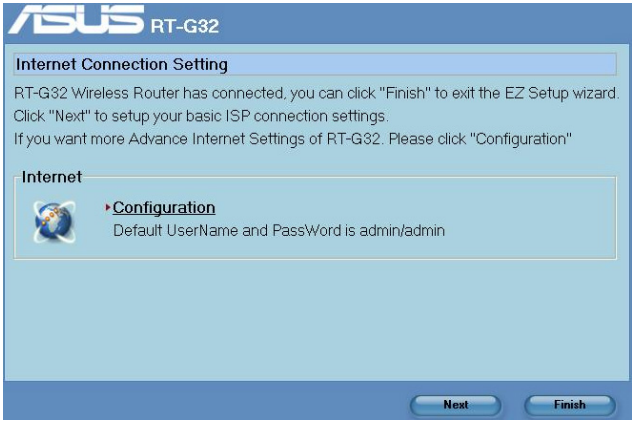


(In collegamento)

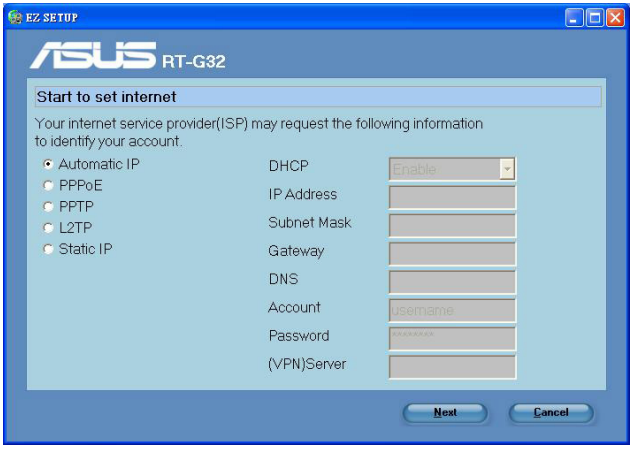
Se la connessione non riesce, verificare che tutto l'hardware sia collegato in modo corretto, e fare clic su **Re-search (Cerca di nuovo)** per eseguire di nuovo la ricerca.

(Connessione non riuscita)

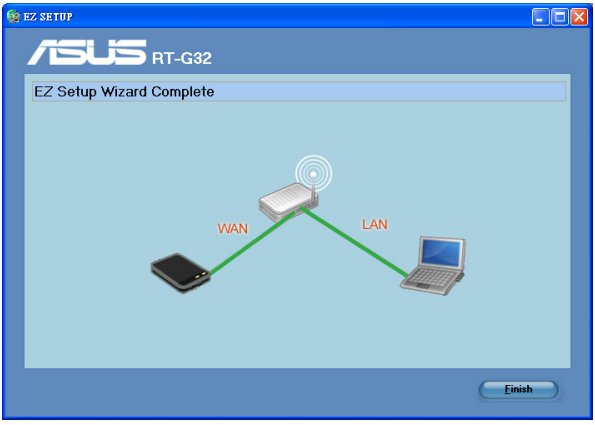
4. Fare clic su **Next (Avanti)** per configurare le impostazioni di base per il collegamento all'ISP. Fare clic su **Finish (Fine)** per completare le impostazioni interne delle reti.



5. Selezionare il tipo di connessione tra i tipi di servizi ISP presentati. **Automatic IP (IP automatico)**, **PPPoE, PPTP, L2TP**, e **Static IP (IP static)**. Inserire le informazioni necessarie per il tipo di connessione al proprio ISP. Una volta completata l'operazione fare clic su **Next (Avanti)**.



6. Una volta completata l'operazione fare clic su **Finish (Fine)**.

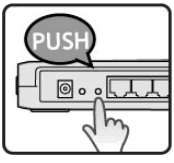


Configurazione rapida del tasto WPS

Una volta connesso un PC a un adattatore wireless (come un adattatore ASUS USB-N11 e PCI-G31) con funzione WPS, seguire le istruzioni in basso per consentire di abilitare la configurazione rapida WPS.

1. Per utilizzare il WPS, accertarsi che sia il router wireless RT-G32 che la funzione WPS del software di altri computer sia abilitata.

2. Premere il pulsante WPS sul retro del pannello del router wireless RT-G32.



3. Il LED WLAN RT-G32 può illuminarsi e lampeggiare lentamente una volta stabilita la connessione WPS.

6 Risoluzione dei problemi

Risoluzione dei problemi

Questa guida alla risoluzione dei problemi fornisce la soluzione ad alcuni problemi comuni, che si possono incontrare durante l' installazione o l' utilizzo del Router Wireless ASUS. Questi problemi si possono facilmente risolvere da sè. Contattare l' Assistenza Tecnica ASUS, in caso di problemi non menzionati in questo capitolo.

Problema	Azione
Impossibile accedere al browser web per la configurazione del router	1. Avviare un browser web e cliccare **Strumenti** > **Opzioni Internet...** 2. In **File Internet Temporanei**, cliccare **Rimuovi Cookie...** e **Rimuovi File...**
Il client non riesce a stabilire una connessione wireless con il router.	**Fuori Raggio:** • Collocare il router in posizione più vicina al client wireless. • Tentare di modificare le impostazioni dei canali. **Autenticazione:** • Utilizzare la connessione via cavo per la connessione con il router. • Controllare le impostazioni relative alla sicurezza wireless. • Premere il pulsante Restore, sul pannello posteriore, per oltre cinque secondi. **Impossibile Rilevare il Router:** • Premere il pulsante Restore, sul pannello posteriore, per oltre cinque secondi. • Controllare le impostazioni relative all' adattatore wireless, come le impostazioni SSID e di crittografia.

Problema	Azione
Impossibile Accedere a Internet tramite Adattatore Wireless LAN	• Spostare il router in una posizione più vicina al client wireless. • Verificare che l' adattatore wireless sia connesso al router wireless corretto. • Verificare che il canale wireless in uso sia conforme ai canali disponibili nella zona/ paese. • Verificare le impostazioni crittografiche. • Verificare che la connessione ADSL o via cavo sia corretta. • Riprovare con un altro cavo Ethernet .
Internet non è Accessibile	• Controllare gli indicatori di stato sul modem ADSL e sul Router Wireless. • Verificare che il LED WAN sul Router Wireless sia ACCESO. Se il LED è SPENTO, sostituire il cavo e riprovare.
Quando la spia del "Link" del Modem ADSL è ACCESA (non lampeggiante), significa che è possibile accedere a Internet .	• Riavviare il computer. • Riferirsi alla Guida Rapida del router wireless e riconfigurare le impostazioni. • Controllare che il LED WAN del router sia acceso. • Controllare le impostazioni wireless relative alla crittografia. • Controllare se il computer è in grado di ottenere l' indirizzo IP (sia via rete cablata che non cablata). • Assicurarsi che il browser Web sia configurato per appoggiarsi alla LAN locale e non ad un server proxy.

Problema	Azione
Se la spia "LINK" ADSL lampeggia in continuazione o è sempre spenta, è impossibile accedere a Internet - il Router non riesce a stabilire una connessione con la rete ADSL .	• Assicurarsi che i cavi siano tutti correttamente collegati. • Disconnettere il cavo di alimentazione dal modem ADSL o via cavo, attendere alcuni minuti,e poi riconnetterlo. • Se la spia ADSL continua a lampeggiare o ad essere SPENTA, contattare il fornitore del servizio ADSL .
Il nome di rete o le chiavi di crittografia sono state dimenticate	• Tentare di impostare la connessione via cavo per riconfigurare la codificazione wireless. • Premere il pulsante Restore, sul pannello posteriore, per oltre cinque secondi.
Come riportare il sistema sulle impostazioni predefinite.	• Premere il pulsante Restore, sul pannello posteriore, per oltre cinque secondi. • Fare riferimento alla sezione **Restoring to the default settings (Ripristinare le impostazioni predefinite)** nel Capitolo 4 di questo manuale utente. Di seguito, sono elencate le impostazioni predefinite: **User Name:** admin **Password:** admin **Enable DHCP:** Yes (if WAN cable is plugged in) **IP address:** 192.168.1.1 **Domain Name:** (Blank) **Subnet Mask:** 255.255.255.0 **DNS Server 1:** 192.168.1.1 **DNS Server 2:** (Blank) **SSID:** default

Appendice

Comunicazioni

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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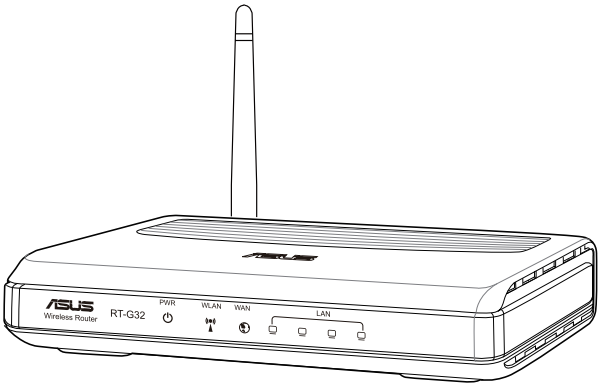
* Sul sito è disponibile un Modulo di richiesta tecnica che è possibile compilare per contattare il supporto tecnico.

RT-G32
Wireless Router



Panduan Pengguna

ID4264
Edisi Pertama
November 2008

Daftar isi

Daftar isi

Tentang panduan ini

Panduan pengguna ini berisi informasi yang diperlukan untuk menginstal dan mengkonfigurasi ASUS Wireless Router.

Pengaturan panduan pengguna ini

Panduan ini berisi bagian sebagai berikut:

- **Bab 1: Mengenali router nirkabel Anda**

  Bab ini berisi informasi tentang isi kemasan, persyaratan sistem, fitur perangkat lunak, dan indikator LED pada ASUS Wireless Router.

- **Bab 2: Mempersiapkan perangkat keras**

  Bab ini berisi informasi tentang cara mempersiapkan, mengakses, dan mengkonfigurasi ASUS Wireless Router.

- **Bab 3: Mengkonfigurasi klien jaringan**

  Bab ini berisi informasi tentang cara mempersiapkan klien di jaringan untuk menggunakan ASUS Wireless Router.

- **Bab 4: Mengkonfigurasi melalui GUI Web**

  Bab ini berisi petunjuk tentang cara mengkonfigurasi ASUS Wireless Router menggunakan GUI Web (antarmuka pengguna grafis Web).

- **Bab 5: Menginstal utilitas**

  Bab ini berisi informasi tentang utilitas yang tersedia dari CD dukungan.

- **Bab 6: Mengatasi masalah**

  Bab ini berisi panduan mengatasi masalah agar Anda dapat mengatasi masalah umum yang terjadi saat menggunakan ASUS Wireless Router.

- **Lampiran**

  Bab ini berisi Informasi Peraturan dan Informasi Keselamatan.

Ketentuan yang berlaku dalam panduan ini

PERINGATAN: Informasi untuk mencegah cedera saat Anda mencoba menyelesaikan langkah-langkah sesuai petunjuk.

PERHATIAN: Informasi untuk mencegah kerusakan komponen saat Anda mencoba menyelesaikan langkah-langkah sesuai petunjuk.

PENTING: Petunjuk yang HARUS diikuti untuk menyelesaikan tugas.

CATATAN: Tips dan informasi tambahan untuk membantu Anda menyelesaikan tugas.

1 Mengenali router nirkabel Anda

Isi kemasan

Periksa item berikut dalam kemasan ASUS Wireless Router.

- ☑ RT-G32 Wireless Router
- ☑ Adaptor daya
- ☑ CD Dukungan (panduan pengguna, utilitas)
- ☑ Kabel RJ45
- ☑ Panduan Ringkas

Catatan: Jika salah satu item tersebut rusak atau tidak ada, hubungi peritel.

Persyaratan sistem

Sebelum memasang ASUS Wireless Router, pastikan sistem/jaringan Anda telah memenuhi persyaratan berikut:

- Port Ethernet RJ-45 (10Base-T/100Base-TX)
- Minimal satu perangkat IEEE 802.11b/g dengan kemampuan nirkabel
- TCP/IP dan browser Internet terinstal
- Mendukung Internet Explorer 6.0 atau versi yang lebih baru

Persiapan

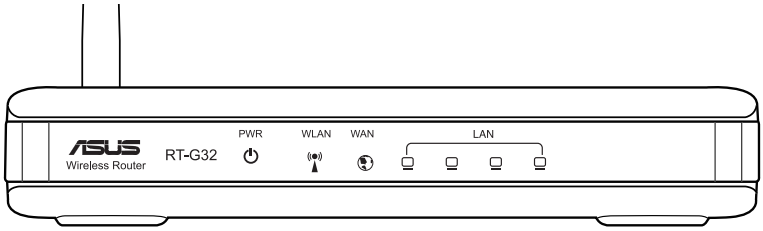
Pelajari panduan sebelum memasang ASUS Wireless Router:

- Panjang kabel Ethernet yang menyambungkan perangkat ke jaringan (hub, ADSL/modem kabel, router, soket terminal) tidak boleh lebih dari 100 meter.
- Letakkan perangkat pada permukaan yang datar dan stabil, sejauh mungkin dari tanah.
- Jangan halangi perangkat dengan benda logam dan jauhkan dari sinar matahari langsung.
- Jauhkan perangkat dari trafo, mesin berat, cahaya neon, oven microwave, lemari es, dan peralatan industri lainnya agar sinyal tidak hilang.

- Pasang perangkat di tengah agar terjangkau oleh semua perangkat selular.
- Pasang perangkat dengan jarak minimal 20 cm dari posisi Anda untuk memastikan agar pengoperasian produk sesuai dengan Pedoman RF untuk Pemaparan Terhadap Manusia yang digunakan oleh Federal Communications Commission.

Fitur perangkat keras

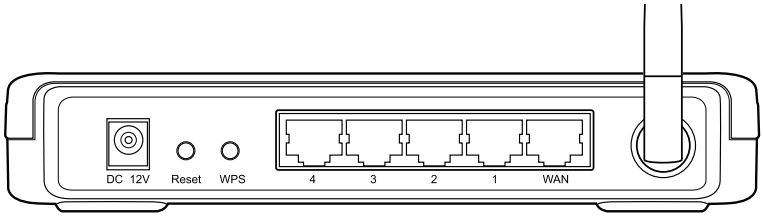
Panel depan



Indikator status

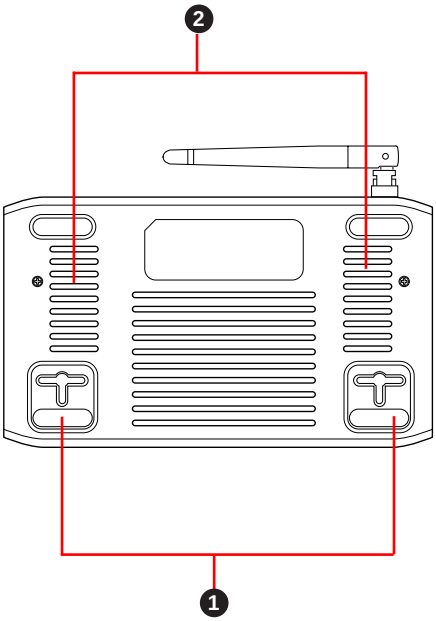
LED	Status	Indikasi
⏻ (Daya)	Mati	Tidak ada daya
	Hidup	Sistem siap
WLAN (Wireless LAN)	Mati	Tidak ada daya
	Hidup	Sistem nirkabel siap
	Berkedip	Mengirim atau menerima data (nirkabel)
LAN 1-4 (Local Area Network)	Mati	Tidak ada daya atau sambungan fisik
	Hidup	Memiliki sambungan fisik ke jaringan Ethernet
	Berkedip	Mengirim atau menerima data (melalui kabel Ethernet)
WAN (Wide Area Network)	Mati	Tidak ada daya atau sambungan fisik
	Hidup	Memiliki sambungan fisik ke jaringan Ethernet
	Berkedip	Mengirim atau menerima data (melalui kabel Ethernet)

Panel belakang



Label	Keterangan
ANTENA	Sesuaikan antena secara manual untuk mendapatkan penerimaan sinyal yang lebih baik.
WPS	Tekan tombol ini untuk mengaktifkan WPS (Wi-Fi Protected Setup).
Reset	Tekan selama 3 detik untuk kembali ke pengaturan default pabrik.
WAN	Sambungkan kabel Ethernet RJ-45 ke port ini untuk membuat sambungan WAN.
LAN1-LAN4	Sambungkan kabel Ethernet RJ-45 ke port ini untuk membuat sambungan LAN.
DC 12V	Masukkan adaptor DC ke port ini untuk menyambungkan router ke catu daya.

Panel belakang



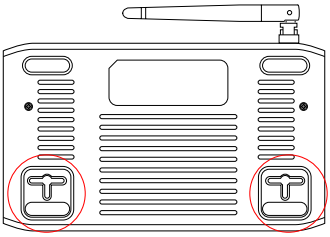
Item	Keterangan
1	**Kait pemasangan** Gunakan kait pemasangan untuk memasang router pada permukaan berbahan beton atau kayu menggunakan dua sekrup kepala bulat.
2	**Ventilasi udara** Celah ini berfungsi sebagai ventilasi router.

Catatan: Untuk informasi rinci tentang cara memasang router di dinding atau langit-langit, lihat bagian **Mounting options (Pilihan Pemasangan)** pada halaman berikutnya dalam panduan pengguna ini.

Pilihan pemasangan

Di luar kemasan, ASUS Wireless Router didesain untuk diletakkan pada permukaan datar yang tinggi seperti lemari berkas atau rak buku. Unit ini juga dapat dipasang di dinding atau langit-langit.

Untuk memasang ASUS Wireless Router:



1. Lihat dua kait pemasangan di bagian bawah.
2. Tandai dua lubang atas pada permukaan yang datar.
3. Kencangkan dua sekrup hingga hanya terlihat 1/4".
4. Pasang kait ASUS Wireless Router ke sekrup.

Catatan: Atur ulang sekrup jika Anda tidak dapat mengaitkan ASUS Wireless Router atau jika sekrup terlalu longgar.

2 Mempersiapkan perangkat keras

Mempersiapkan router nirkabel

ASUS Wireless Router memenuhi berbagai skenario kerja dengan konfigurasi yang tepat. Pengaturan default router nirkabel mungkin harus diubah agar memenuhi persyaratan di lingkungan nirkabel Anda. Produk ini juga dilengkapi EZSetup, yakni utilitas yang dapat digunakan untuk mengkonfigurasi jaringan nirkabel aman.

Catatan:

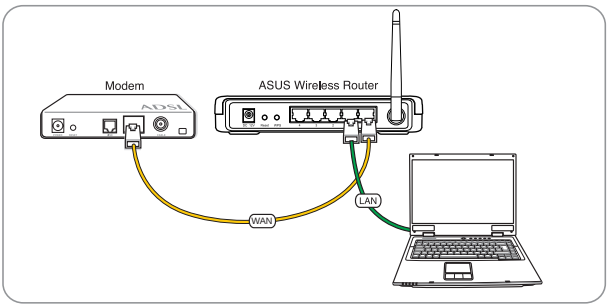
- Untuk informasi lebih rinci tentang EZSetup, lihat bagian **EZSetup** pada Bab 5 dalam panduan pengguna ini.

Mengkonfigurasi sambungan berkabel

ASUS Wireless Router diberikan bersama kabel Ethernet dalam kemasan. Router nirkabel dilengkapi fungsi silang otomatis terpadu, karenanya gunakan kabel langsung atau silang untuk sambungan berkabel.

Untuk mengkonfigurasi sambungan berkabel:

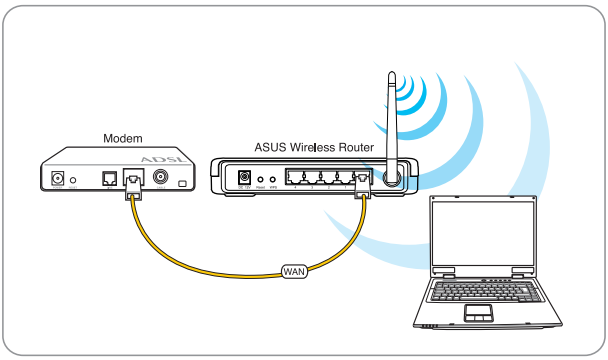
1. Hidupkan router dan modem.
2. Sambungkan modem ke port WAN router menggunakan kabel Ethernet.
3. Sambungkan port LAN router ke port LAN PC menggunakan kabel Ethernet lain.



Mengkonfigurasi sambungan nirkabel

Untuk mengkonfigurasi sambungan nirkabel:

1. Hidupkan router dan modem.
2. Sambungkan modem ke port WAN router menggunakan kabel Ethernet.
3. Masukkan kartu WLAN IEEE 802.11b/g yang kompatibel. Untuk prosedur sambungan nirkabel, lihat panduan pengguna adapter nirkabel. Secara default, SSID ASUS Wireless Router adalah “default” (dengan huruf kecil), enkripsi dinonaktifkan dan otentikasi sistem terbuka digunakan.



Mengkonfigurasi router nirkabel

ASUS Wireless Router mencakup GUI Web (antarmuka pengguna grafis Web) yang dapat digunakan untuk mengkonfigurasi router nirkabel menggunakan browser Web di komputer.

Menggunakan GUI Web

Jika PC tersambung ke router menggunakan kabel, aktifkan browser Web, kemudian halaman login GUI Web router akan terbuka secara otomatis.

Jika PC tersambung ke router secara nirkabel, Anda harus memilih jaringan lebih dulu.

Untuk memilih jaringan:

1. Klik **Start** > **Control Panel** > **Network Connections** > **Wireless Network Connection**.
2. Pilih jaringan dari jendela **Choose a wireless network**. Tunggu hingga tersambung.

Catatan: Secara default, SSID router nirkabel adalah **default**. Sambungkan ke SSID default ini.

3. Setelah sambungan nirkabel dibuat, aktifkan browser Web.

Catatan:

- Anda juga dapat memasukkan alamat IP default router secara manual (**192.168.1.1**) untuk mengaktifkan antarmuka Web router.
- Untuk informasi lebih rinci tentang cara mengkonfigurasi router nirkabel menggunakan GUI Web, lihat **Bab 4: Mengkonfigurasi melalui GUI Web**.

3 Mengkonfigurasi klien jaringan

Mengakses router nirkabel

Menetapkan alamat IP untuk klien berkabel atau nirkabel

Untuk mengakses ASUS Wireless Router, Anda harus memiliki pengaturan TCP/IP yang benar di klien berkabel atau nirkabel. Pastikan alamat IP klien berada dalam subnet yang sama seperti ASUS Wireless Router.

Secara default, ASUS Wireless Router memadukan fungsi server DHCP yang akan secara otomatis menetapkan alamat IP ke klien di jaringan Anda.

Namun dalam beberapa kasus, Anda dapat menetapkan alamat IP statis secara manual di beberapa klien atau komputer di jaringan, sebagai pengganti mendapatkan alamat IP secara otomatis dari router nirkabel.

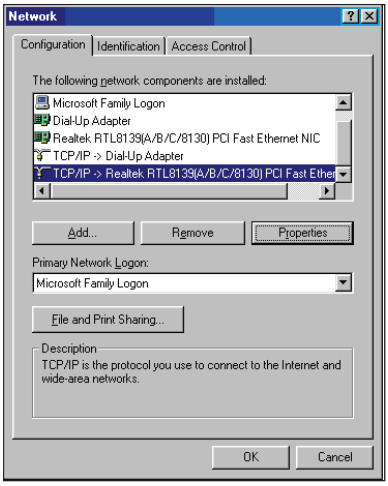
Ikuti petunjuk di bawah ini sesuai dengan sistem operasi yang terinstal di klien atau komputer.

Catatan: Jika Anda ingin menetapkan alamat IP ke klien secara manual, sebaiknya gunakan pengaturan sebagai berikut:

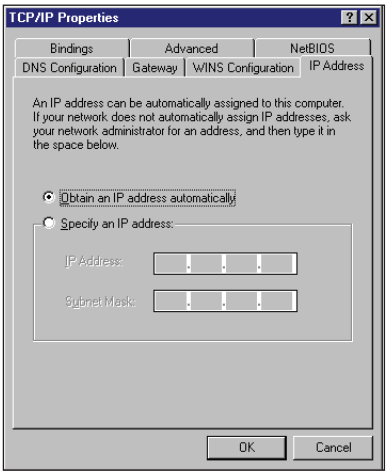
- **Alamat IP**: 192.168.1.xxx (xxx dapat berupa angka antara 2 dan 254. Pastikan alamat IP tidak digunakan oleh perangkat lain)
- **Subnet Mask**: 255.255.255.0 (sama seperti ASUS Wireless Router)
- **Gateway**: 192.168.1.1 (alamat IP ASUS Wireless Router)
- **DNS**: 192.168.1.1 (ASUS Wireless Router) atau tetapkan server DNS yang diketahui di jaringan Anda

Windows® 9x/ME

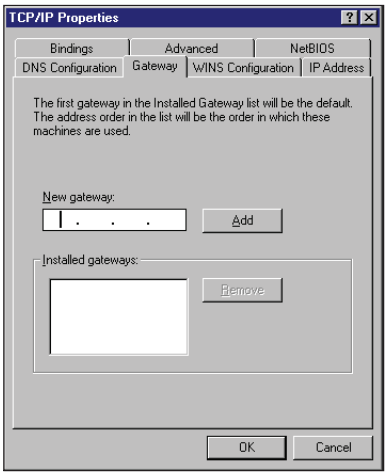
1. Klik **Start** > **Control Panel** > **Network** untuk menampilkan jendela konfigurasi Network.
2. Pilih **TCP/IP**, lalu klik **Properties**.



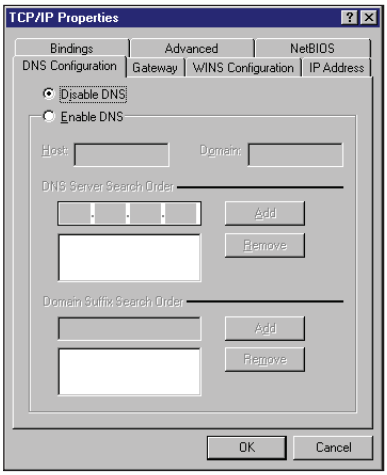
3. Jika ingin komputer memperoleh alamat IP secara otomatis, klik **Obtain an IP address automatically**, lalu klik OK. Atau, klik **Specify an IP address**, kemudian masukkan **IP address** dan **Subnet Mask**.



4. Pilih tab **Gateway**, masukkan **New gateway**, lalu klik **Add**.

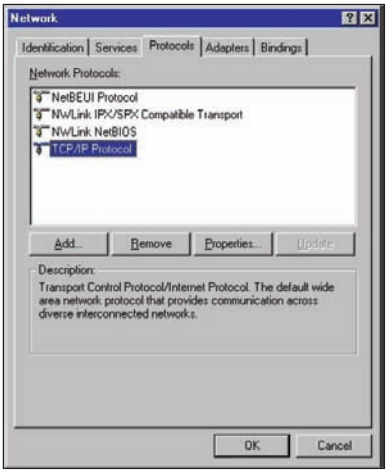


5. Pilih tab **DNS configuration**, lalu klik **Enable DNS**. Masukkan **Host**, **Domain**, dan **DNS Server Search Order**, lalu klik **Add**.
6. Klik **OK**.

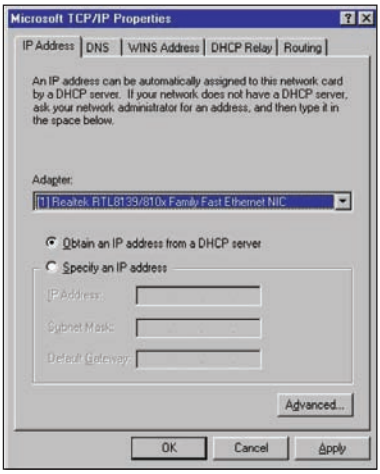


Windows® NT4.0

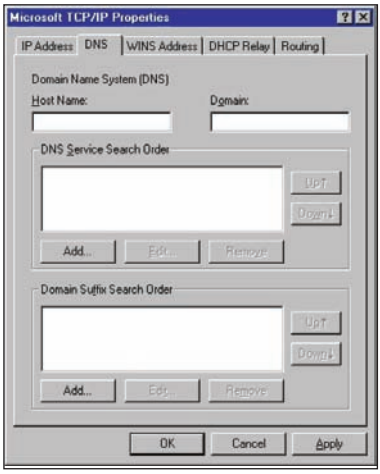
1. Buka **Control Panel** > **Network** untuk menampilkan jendela konfigurasi Network, lalu pilih tab **Protocols**.
2. Pilih **TCP/IP Protocol** dari daftar Network Protocols, lalu klik **Properties**.



3. Dari tab IP Address di jendela Microsoft TCP/IP Properties, Anda dapat:
   - Pilih jenis adapter jaringan yang terpasang di sistem.
   - Atur agar router menetapkan alamat IP secara otomatis.
   - Tetapkan alamat IP, subnet mask, dan gateway default secara manual.

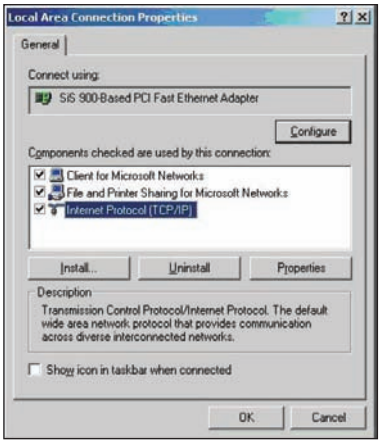


4. Pilih tab DNS, lalu klik **Add** dalam **DNS Service Search Order**, kemudian masukkan DNS.

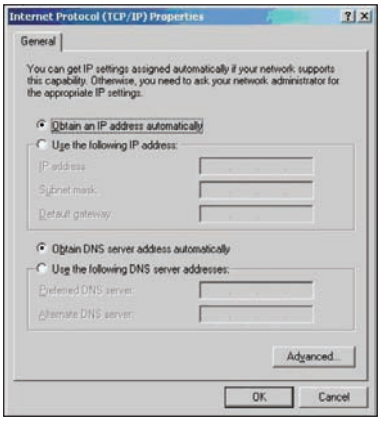


Windows® 2000

1. Klik **Start** > **Control Panel** > **Network and Dial-up Connection**. Klik kanan **Local Area Connection**, lalu klik **Properties**.

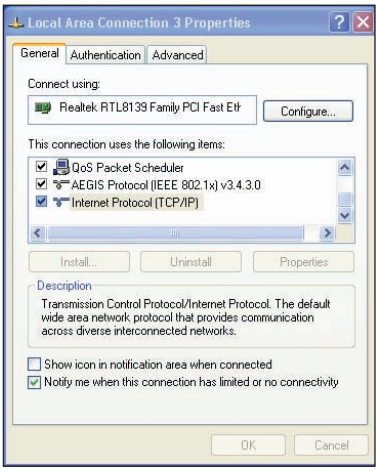


2. Pilih **Internet Protocol (TCP/IP)**, lalu klik **Properties**.
3. Pilih **Obtain an IP address automatically** jika ingin pengaturan IP ditetapkan secara otomatis. Atau, pilih **Use the following IP address**:, kemudian masukkan **IP address**, **Subnet mask**, dan **Default gateway**.
4. Pilih **Obtain an IP address automatically** jika ingin pengaturan server DNS ditetapkan secara otomatis. Atau, pilih **Use the following DNS server address**:, kemudian masukkan **Preferred** dan **Alternate DNS server**.
5. Klik **OK** setelah selesai.

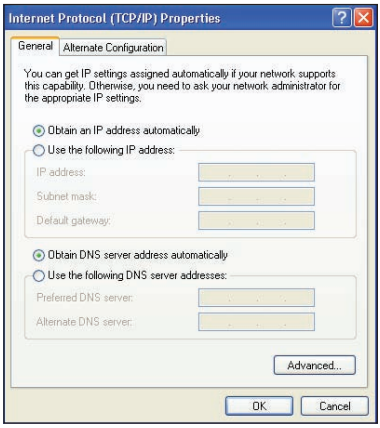


Windows® XP

1. Klik **Start** > **Control Panel** > **Network Connection**. Klik kanan **Local Area Connection**, lalu pilih Properties.



2. Pilih **Internet Protocol (TCP/IP)**, lalu klik **Properties**.
3. Pilih **Obtain an IP address automatically** jika ingin pengaturan IP ditetapkan secara otomatis. Atau, pilih **Use the following IP address**:, kemudian masukkan **IP address**, **Subnet mask**, dan **Default gateway**.
4. Pilih **Obtain DNS server address automatically** jika ingin pengaturan server DNS ditetapkan secara otomatis. Atau, pilih **Use the following DNS server addresses**:, kemudian masukkan **Preferred and Alternate DNS server**.
5. Klik **OK** setelah selesai.



4 Mengkonfigurasi melalui GUI Web

Mengkonfigurasi melalui GUI Web

GUI Web (antarmuka pengguna grafis Web) router dapat digunakan untuk mengkonfigurasi fitur: **Setting (Pengaturan)**.

Untuk mengkonfigurasi melalui GUI Web:

1. Setelah mengkonfigurasi sambungan kabel atau nirkabel, aktifkan browser Web. Halaman login akan terbuka secara otomatis.

Catatan: Anda juga dapat memasukkan alamat IP default router secara manual (**192.168.1.1**) untuk membuka antarmuka Web router.

2. Pada halaman login, masukkan nama pengguna **(admin)** dan sandi **(admin)** default.
3. Dari halaman utama, klik menu atau link navigasi untuk mengkonfigurasi berbagai fitur ASUS Wireless Router.

Mengkonfigurasi Pengaturan

Halaman ini dapat digunakan untuk mengkonfigurasi pengaturan router dan jaringan. Anda dapat mengkonfigurasi pengaturan untuk: **Wireless (Nirkabel)**, **LAN**, **WAN**, **Firewall**, **Administration (Administrasi)**, dan **System Log (Log Sistem)**.

Untuk membuka halaman Setting (Pengaturan):

- Klik **Setting (Pengaturan)** dari menu navigasi di sisi kiri layar.

Meng-upgrade firmware

Catatan: Download firmware terbaru dari situs Web ASUS di **http://www.asus.com**

Untuk meng-upgrade firmware:

1. Klik **Setting (Pengaturan)** dari menu navigasi di sisi kiri layar.
2. Dalam menu **Administration (Administrasi)**, klik **Firmware Upgrade (Upgrade Firmware)**.
3. Di kolom **New Firmware File (File Firmware Baru)**, klik **Browse (Telusuri)** untuk mencari firmware baru di komputer.
4. Klik **Upload**. Proses upload memerlukan waktu sekitar 3 menit.

Catatan: Jika proses upgrade gagal, router nirkabel akan secara otomatis beralih ke mode darurat atau gagal dan indikator LED daya di panel depan berkedip perlahan. Untuk memulihkan atau mengembalikan sistem, gunakan utilitas Firmware Restoration (Pengembalian Firmware). Untuk informasi lebih rinci tentang utilitas ini, lihat bagian **Firmware Restoration (Pengembalian Firmware)** di Bab 5 panduan pengguna ini.

Mengembalikan/Menyimpan/Meng-upload pengaturan

Untuk mengembalikan/menyimpan/meng-upload pengaturan:

1. Klik **Setting (Pengaturan)** dari menu navigasi di sisi kiri layar.
2. Dalam menu **Administration (Administrasi)**, klik **Restore (Kembalikan) / Save (Simpan) / Upload Setting (Upload Pengaturan)**.

3. Pilih tugas yang akan dijalankan:
   - Untuk mengembalikan pengaturan default pabrik, klik **Restore (Kembalikan)**, lalu klik **OK** pada pesan konfirmasi.
   - Untuk menyimpan pengaturan sistem aktif, klik **Save (Simpan)**, lalu klik **Save (Simpan)** di jendela download file untuk menyimpan file sistem di lokasi yang diinginkan.
   - Untuk mengembalikan pengaturan sistem sebelumnya, klik **Browse (Telusuri)** untuk mencari file sistem yang akan dikembalikan, lalu klik **Upload**.

5 Menginstal utilitas

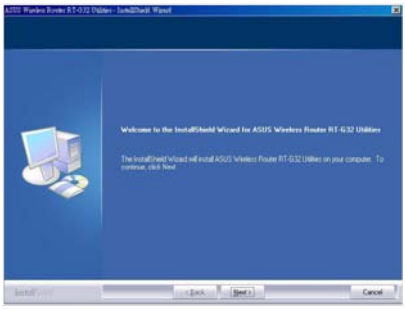
Menginstal utilitas

CD dukungan berisi utilitas untuk mengkonfigurasi ASUS Wireless Router. Untuk menginstal ASUS WLAN Utilities di Microsoft® Windows, masukkan CD dukungan ke drive CD. Jika Autorun dinonaktifkan, jalankan **setup.exe** dari direktori akar CD dukungan.

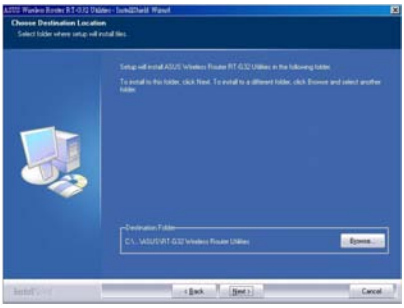
Untuk menginstal utilitas:

1. Klik **Install ASUS Wireless Router Utilities (Instal ASUS Wireless Router Utilities)**.

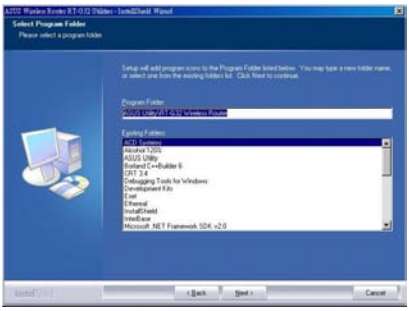
2. Klik **Next (Lanjut)**.



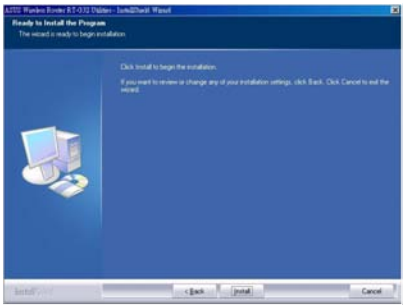
3. Klik **Next (Lanjut)** untuk menyetujui folder tujuan default atau klik **Browse (Telusuri)** untuk menentukan lokasi lain.



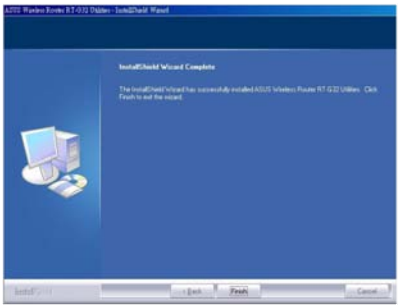
4. Klik **Next (Lanjut)**.



5. Klik **Install (Instal)** untuk menginstal utilitas.



6. Klik **Finish (Selesai)** setelah konfigurasi selesai.

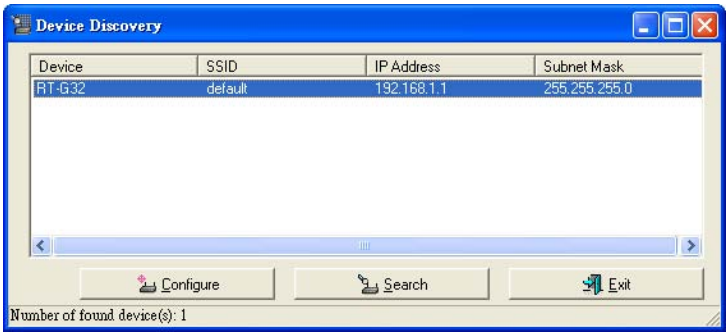


Pencarian Perangkat

Device Discovery (Pencarian Perangkat) adalah utilitas WLAN ASUS yang mendeteksi perangkat ASUS Wireless Router dan dapat digunakan untuk mengkonfigurasi perangkat.

Untuk mengaktifkan utilitas Pencarian Perangkat:

- Dari desktop komputer, klik **Start > All Programs > ASUS Utility (Utilitas ASUS) > RT-G32 Wireless Router > Device Discovery (Pencarian Perangkat)**.



Pengembalian Firmware

Firmware Restoration (Pengembalian Firmware) adalah utilitas yang mencari ASUS Wireless Router yang gagal selama proses upgrade firmware, kemudian mengembalikan atau meng-upload kembali firmware yang ditentukan. Proses ini memerlukan waktu sekitar 3 hingga 4 menit.

JANGAN gunakan utilitas ini, kecuali jika mengalami kondisi tidak normal, misalnya firmware rusak, upgrade gagal, atau sistem terganggu.

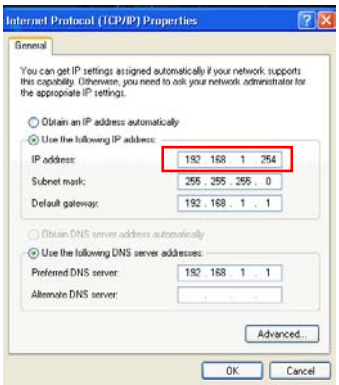
1. Download utilitas dan firmware versi terbaru dari situs Web kami di (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Dekompresikan file utilitas, kemudian jalankan **Setup.exe**. Klik **Next (Lanjut)** untuk menyelesaikan penginstalan.

Tetapkan alamat IP secara manual

Klik **Start** > **Control Panel** > **Network Connection**. Klik kanan **Local Area Connection**, lalu pilih **Properties**.

Tetapkan alamat IP secara manual (192.168.1.254).

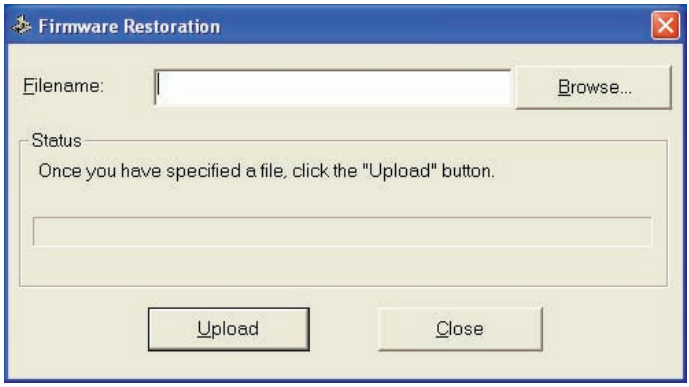
- Sebaiknya gunakan sambungan kabel dan tetapkan alamat IP secara manual untuk mendapatkan kondisi transmisi yang ideal.
- Pastikan firewall di PC telah dinonaktifkan.



3. Matikan router nirkabel, tekan terus tombol atur ulang, kemudian hidupkan kembali perangkat. Perangkat nirkabel akan beralih ke mode perbaikan setelah LED WLAN berkedip.

JANGAN matikan atau atur ulang perangkat sewaktu meng-update firmware! Jika dilakukan dapat menyebabkan kegagalan boot sistem!

4. Dari desktop Windows®, klik > **Start** > **All programs** > **ASUS Utility (Utilitas ASUS)** > **RT-G32 Wireless Router** > **Firmware Restoration (Pengembalian Firmware)**.
5. Klik **Browse (Telusuri)** untuk memilih file firmware, lalu klik **Upload**.



6. Setelah berhasil meng-upload, perangkat akan secara otomatis menjalankan boot ulang.

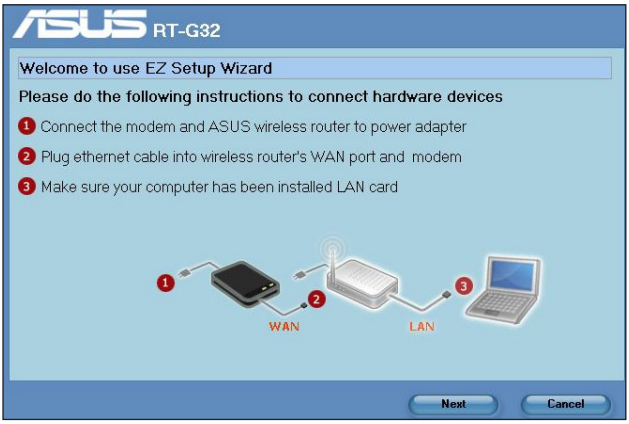
EZSetup

EZSetup adalah utilitas yang dapat digunakan untuk mengkonfigurasi jaringan nirkabel dengan mudah

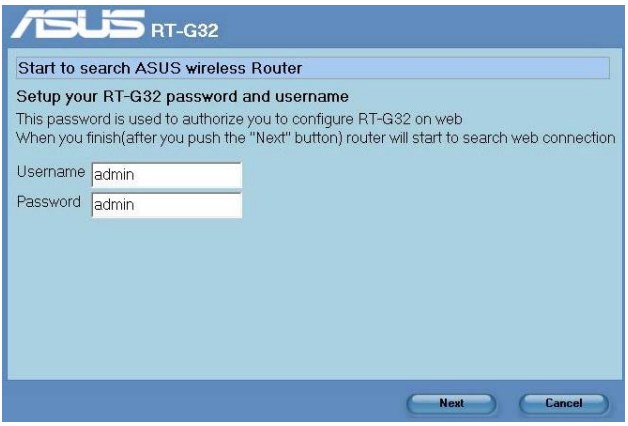
Sebelum menginstal EZSetup, pastikan RT-G32 tersambung ke modem atau PC menggunakan kabel RJ45.

Untuk menggunakan EZSetup:

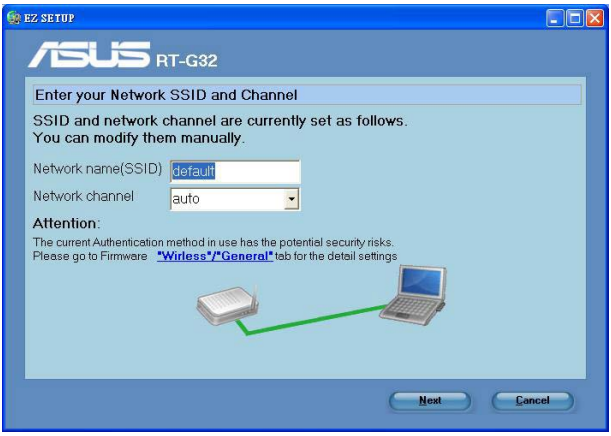
1. Ikuti petunjuk untuk menyambungkan perangkat keras. Setelah selesai, klik **Next (Lanjut)**.



2. Masukkan nama pengguna dan sandi untuk mengkonfigurasi router nirkabel di Web. Setelah selesai, klik **Next (Lanjut)** .

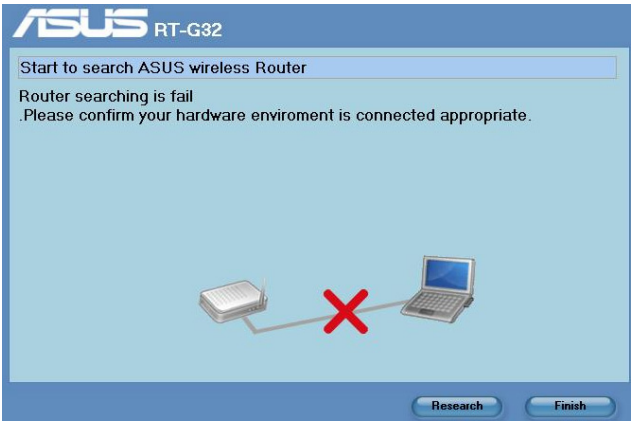


3. Setelah mengkonfigurasi SSID jaringan dan kanal tersambung, klik **Next (Lanjut)** untuk melanjutkan.



(Menyambung)

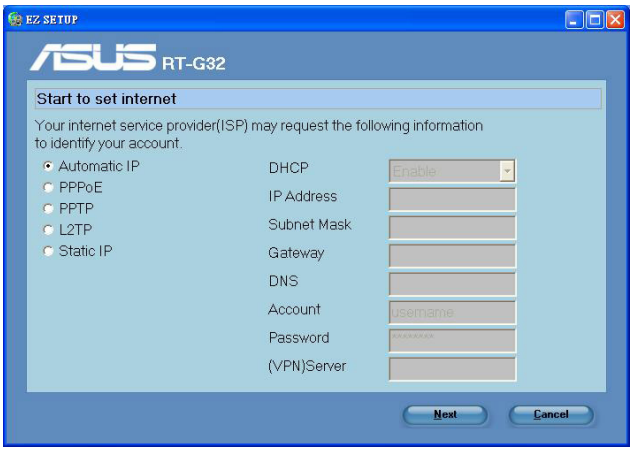
Jika sambungan gagal, pastikan perangkat keras dalam kondisi tersambung dengan benar, lalu klik **Re-search (Cari ulang)** untuk mencari kembali.



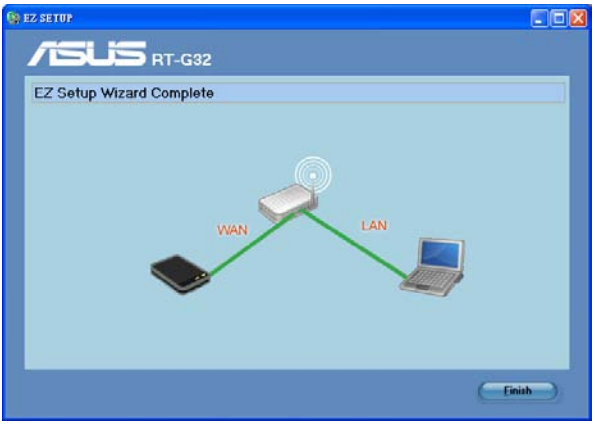
(Sambungan gagal)

4. Klik **Next (Lanjut)** untuk mengkonfigurasi pengaturan sambungan ISP dasar. Klik **Finish (Selesai)** untuk menyelesaikan pengaturan jaringan internal.

5. Pilih jenis sambungan dari jenis layanan ISP ini: **Automatic IP (IP Otomatis)**, **PPPoE**, **PPTP**, **L2TP**, dan **Static IP (IP Statis)**. Masukkan informasi yang diperlukan untuk jenis sambungan ISP. Setelah selesai, klik **Next (Lanjut)** .



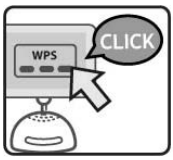
6. Setelah selesai, klik **Finish (Selesai)**.



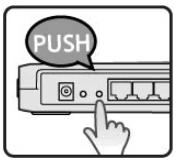
Konfigurasi Tombol WPS Cepat

Bila Anda menyambungkan adapter nirkabel PC (misalnya ASUS USB-N11 dan PCI-G31 adapter) dengan fungsi WPS, ikuti petunjuk di bawah ini untuk mengkonfigurasi WPS Quick (WPS Cepat).

1. Untuk menggunakan WPS, pastikan RT-G32 wireless router dan fungsi WPS perangkat lunak nirkabel komputer lain telah diaktifkan.



2. Tekan tombol WPS di panel belakang RT-G32 wireless router.



3. LED WLAN RT-G32 akan menyala dan berkedip perlahan setelah WPS tersambung.

Mengatasi masalah 6

Mengatasi masalah

Panduan mengatasi masalah ini memberikan solusi untuk sejumlah masalah umum yang mungkin terjadi sewaktu memasang atau menggunakan ASUS Wireless Router. Masalah tersebut dapat Anda atasi sendiri dengan mudah. Hubungi ASUS Technical Support jika Anda mengalami masalah yang tidak dijelaskan pada bab ini.

Masalah	Tindakan
Browser tidak dapat diakses untuk mengkonfigurasi router.	1. Aktifkan browser Web, lalu klik **Tools** > **Internet Options...** 2. Dalam **Temporary Internet files**, klik **Delete Cookies...** dan **Delete Files...**
Sambungan nirkabel antara klien dan router tidak dapat dibuat.	**Di Luar Jangkauan:** • Dekatkan posisi router dengan klien nirkabel. • Coba ubah pengaturan kanal. **Otentikasi:** • Gunakan sambungan berkabel untuk tersambung ke router. • Periksa pengaturan keamanan nirkabel. • Tekan tombol Reset pada panel belakang selama lebih dari 5 detik. **Router tidak dapat ditemukan:** • Tekan tombol Reset pada panel belakang selama lebih dari 5 detik. • Periksa pengaturan pada adapter nirkabel, misalnya pengaturan SSID dan enkripsi.

Masalah	Tindakan
Tidak dapat mengakses Internet melalui adapter LAN nirkabel	• Dekatkan posisi router dengan klien nirkabel. • Pastikan adapter nirkabel telah tersambung ke router nirkabel yang benar. • Pastikan kanal nirkabel yang digunakan telah sesuai dengan kanal yang tersedia di negara/wilayah Anda. • Periksa pengaturan enkripsi. • Pastikan sambungan ADSL atau Kabel sudah benar. • Coba kembali menggunakan kabel Ethernet.
Internet tidak dapat diakses	• Periksa indikator status pada modem ADSL dan router nirkabel. • Pastikan LED WAN pada router nirkabel menyala. Jika LED tidak menyala, ganti kabel, lalu coba lagi.
Bila lampu “Link” Modem ADSL menyala (tidak berkedip), berarti Internet tidak dapat diakses.	• Hidupkan ulang komputer. • Lihat Panduan Ringkas router nirkabel, kemudian konfigurasikan ulang pengaturan. • Pastikan LED WAN pada router nirkabel menyala. • Periksa pengaturan enkripsi nirkabel. • Pastikan komputer dapat memperoleh alamat IP (melalui jaringan berkabel dan nirkabel). • Pastikan browser Web dikonfigurasi untuk menggunakan LAN lokal dan tidak dikonfigurasi untuk menggunakan server proxy.
Jika lampu “LINK” ADSL terus berkedip atau tidak menyala, Internet tidak dapat diakses - Router tidak dapat membuat sambungan dengan jaringan ADSL.	• Pastikan semua kabel tersambung dengan benar. • Lepaskan kabel daya dari modem ADSL atau kabel, tunggu beberapa menit, kemudian sambungkan kabel kembali. • Jika lampu ADSL terus berkedip atau tidak menyala, hubungi penyedia layanan ADSL Anda.

Masalah	Tindakan
Saya lupa nama jaringan atau kunci enkripsi	• Coba atur sambungan berkabel, kemudian konfigurasikan kembali enkripsi nirkabel. • Tekan tombol Restore (Kembalikan) pada panel belakang router nirkabel selama lebih dari 5 detik.
Cara mengembalikan sistem ke pengaturan default	• Tekan tombol Restore (Kembalikan) pada panel belakang router nirkabel selama lebih dari 5 detik. • Lihat bagian **Restoring to the default settings (Mengembalikan pengaturan default)** pada Bab 4 dalam panduan pengguna ini. Berikut adalah pengaturan default pabrik: **Nama Pengguna:** admin **Sandi:** admin **Aktifkan DHCP:** Yes (Ya) (jika kabel WAN tersambung) **Alamat IP:** 192.168.1.1 **Nama Domain:** (Kosong) **Subnet Mask:** 255.255.255.0 **Server DNS 1:** 192.168.1.1 **Server DNS 2:** (Kosong) **SSID:** default

Lampiran

Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

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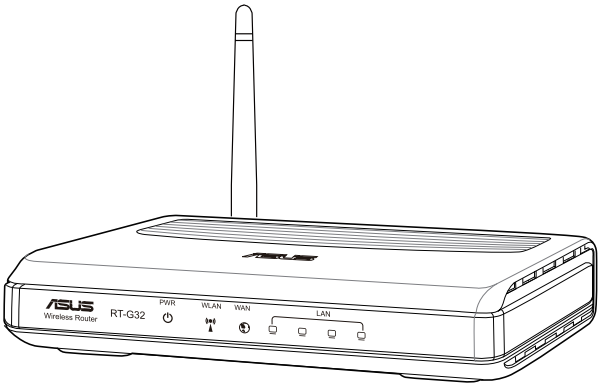
RT-G32
Router sem fios



Manual do utilizador

PG4264

Edição Revista v1
Dezembro 2008

Índice

Índice

Acerca deste guia

Este guia do utilizador contém a informação de que necessita para instalar e configurar o seu router sem fios da ASUS.

Como este guia está organizado

Este guia está dividido da seguinte forma:

- **Capítulo 1 : Conheça o seu router sem fios**
  Este capítulo inclui informação sobre o conteúdo da embalagem, os requisitos do sistema, as características do hardware e os LEDs indicadores do router sem fios da ASUS.

- **Capítulo 2 : Instalação do hardware**
  Este capítulo inclui informação sobre a instalação, o acesso e a configuração do router sem fios da ASUS.

- **Capítulo 3 : Configuração dos clientes de rede**
  Este capítulo inclui informação sobre a configuração de clientes na sua rede para utilização do seu router sem fios da ASUS.

- **Capítulo 4 : Configuração com a interface gráfica para a web**
  Este capítulo inclui informação sobre a configuração do router sem fios da ASUS usando a interface gráfica para a web.

- **Capítulo 5 : Instalação dos utilitários**
  Este capítulo fornece informação sobre os utilitários fornecidos no CD de suporte.

- **Capítulo 6 : Resolução de problemas**
  Este capítulo inclui um guia para resolução de problemas comuns que possam surgir durante a utilização do router sem fios da ASUS.

- **Apêndices**
  Este capítulo inclui os avisos obrigatórios e as normas de segurança.

Convenções usadas neste guia

AVISO: Informação que se destina a evitar que sofra lesões ao tentar concluir uma tarefa.

CUIDADO: Informação que se destina a evitar que danifique os componentes ao tentar concluir uma tarefa.

IMPORTANTE: Instruções que deve seguir para concluir uma tarefa.

NOTA: Dicas e informações adicionais para o ajudar a concluir uma tarefa.

1 Conheça o seu router sem fios

Conteúdo da embalagem

Verifique se os itens seguintes constam da embalagem do seu router sem fios da ASUS.

- ☑ Router sem fios RT-G32
- ☑ Transformador
- ☑ CD de suporte (contendo o manual e os utilitários)
- ☑ Cabo RJ45
- ☑ Guia de consulta rápida

Nota: Caso qualquer um dos itens esteja danificado ou em falta, contacte imediatamente a loja onde adquiriu o produto.

Requisitos do sistema

Antes de instalar o router sem fios da ASUS, certifique-se de que o sistema/a rede satisfaz os seguintes requisitos:

- Porta Ethernet RJ-45 (10Base-T/100Base-TX)
- Pelo menos um dispositivo IEEE 802.11b/g com capacidade para ligação sem fios
- Protocolo TCP/IP e browser para a Internet instalado
- Suporta o Internet Explorer 6.0 ou superior.

Antes de prosseguir

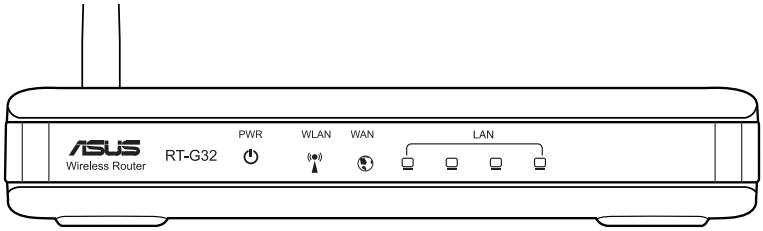
Tenha em atenção as directrizes seguintes antes de instalar o router sem fios da ASUS:

- O comprimento do cabo Ethernet que liga o dispositivo à rede (hub, modem ADSL/por cabo, router, wall patch) não deve ter mais de 100 metros.
- Coloque o dispositivo sobre uma superfície plana, estável e o mais afastada possível do chão.
- Mantenha o dispositivo longe de quaisquer obstáculos metálicos e da luz solar directa.

- Mantenha o dispositivo afastado de transformadores, motores potentes, luzes fluorescentes, microondas, frigoríficos e outros equipamentos industriais de forma a evitar a perda de sinal.
- Instale o dispositivo numa zona central de maneira a proporcionar uma boa cobertura da rede para todos os dispositivos móveis sem fios.
- Instale o dispositivo a uma distância de pelo menos 20 cm de qualquer pessoa para garantir o funcionamento do mesmo de acordo com as orientações de radiofrequência relativamente à exposição humana adoptadas pela FCC (Federal Communications Commission).

Características do hardware

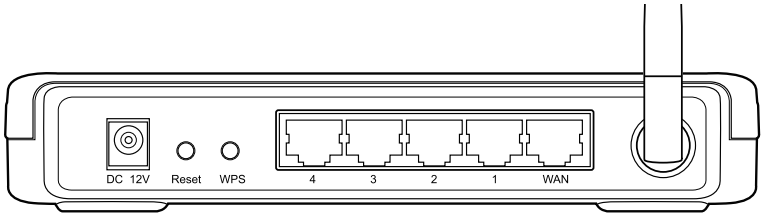
Painel frontal



LEDs indicadores de estado

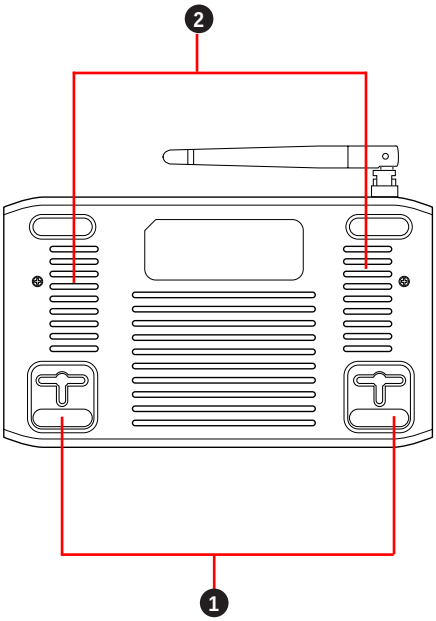
LED	Estado	Significado
⏻ (Alimentação)	Desligado	Não há alimentação
	Ligado	Sistema pronto
WLAN (Wireless LAN)	Desligado	Não há alimentação
	Ligado	Sistema sem fios pronto
	Flashing	A transmitir ou a receber dados (sem fios)
LAN 1-4 (Local Area Network)	Desligado	Sem alimentação ou qualquer ligação física
	Ligado	Com ligação física a uma rede Ethernet
	Flashing	A transmitir ou a receber dados (através de cabo Ethernet)
WAN (Wide Area Network)	Desligado	No power or no physical connection
	Ligado	Has physical connection to an Ethernet network
	Flashing	Transmitting or receiving data (through Ethernet cable)

Painel traseiro



Item	Descrição
ANTENNA	Ajuste manualmente a antena para obter uma melhor recepção do sinal
WPS	Prima este botão para iniciar a funcionalidade WPS (Wi-Fi Protected Setup)
Reset	Prima durante três segundos para restaurar as definições de fábrica
WAN	Ligue um cabo Ethernet RJ-45 a esta porta para ligar à WAN.
LAN1-LAN4	Ligue cabos Ethernet RJ-45 a estas portas para ligar à LAN.
DC 12V	Insira o transformador DC nesta porta para ligar o seu router a uma fonte de alimentação.

Painel inferior



Item	Descrição
1	**Ganchos de montagem** Use os ganchos de montagem para montar o router em superfície de cimento ou de madeira usando dois parafusos de cabeça redonda
2	**Condutas de ventilação** **Estas condutas permitem a ventilação do router.**

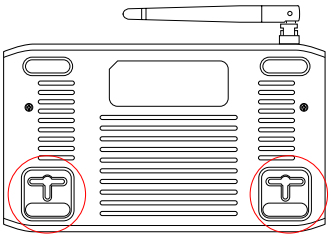
Nota: Para mais informações sobre a montagem do router na parede ou no tecto consulte a secção **Mounting options (Opções de montagem)** na página seguinte deste manual do utilizador.

Opções de montagem

Fora da caixa, o Router Sem Fios RT-G32 ASUS é concebido para estar numa superfície plana e elevada, como um arquivo de ficheiros ou uma estante de livros. A unidade também pode ser convertida para montagem numa parede ou tecto.

Para montar o RT-G32 ASUS:

1. Procure dois ganchos de montagem na parte inferior.
2. Marque dois orifícios superiores numa parede ou numa superfície plana e elevada.
3. Aperte dois parafusos até que apenas esteja visível 1/4".
4. Prenda os ganchos do RT-G32 ASUS aos parafusos.



Nota: Reajuste os parafusos se não conseguir prender o Router Sem Fios ASUS aos parafusos ou se estiver muito solto.

2 Instalação do hardware

Instalação do router sem fios

O router sem fios da ASUS pode ser utilizado em vários cenários com a devida configuração. Pode ser necessário alterar as predefinições do seu router sem fios de forma a satisfazer os requisitos do seu ambiente de trabalho sem fios. Este router inclui também o utilitário EZSetup o qual lhe permite configurar facilmente uma rede sem fios segura.

Notas:

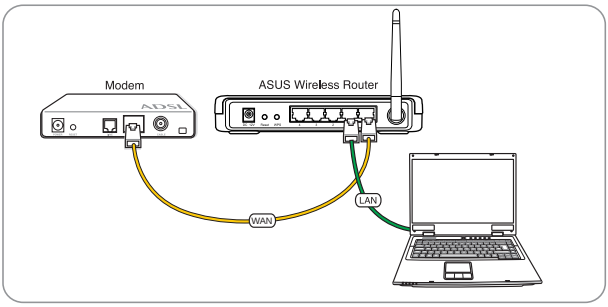
- Para mais informações sobre o **EZSetup**, consulte a secção EZSetup no Capítulo 5 deste manual do utilizador.

Configuração de uma ligação com fios

O router sem fios da ASUS vem acompanhado de um cabo Ethernet. Uma vez que o router sem fios integra uma função de cruzamento automático, isto permite-lhe utilizar quer um cabo simples quer um cabo cruzado para a ligação com fios.

Para configurar a ligação com fios:

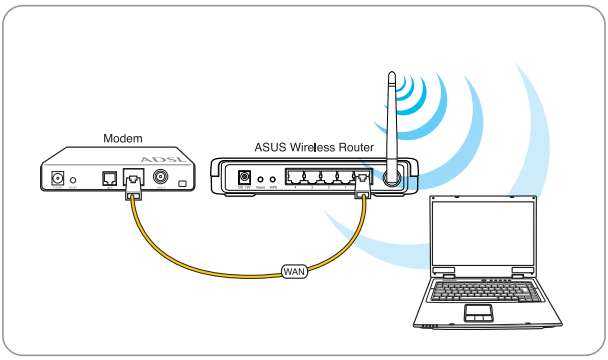
1. Ligue o router e o modem.
2. Faça a ligação entre a porta WAN do router e o modem usando um cabo Ethernet.
3. Faça a ligação entre a porta LAN do router e a porta LAN do PC usando um outro cabo Ethernet.



Configuração de uma ligação sem fios

Para configurar uma ligação sem fios:

1. Ligue o router e o modem.
2. Faça a ligação entre o modem e a porta WAN do router usando um cabo Ethernet.
3. Ligue uma placa WLAN compatível com a especificação IEEE 802.11b/g. Consulte o manual de utilizador da sua placa sem fios para mais informações sobre os procedimentos a seguir para estabelecer a ligação sem fios. Por predefinição, o SSID do router sem fios da ASUS é “default” (predefinido) (em letras minúsculas), a função de encriptação está desactivada e o método de autenticação utilizado é o de sistema aberto.



Configuração do router sem fios

O router sem fios da ASUS inclui uma interface gráfica para a web que lhe permite configurar o router sem fios usando o browser da web instalado no computador.

Utilização da interface gráfica para a web

Se a ligação entre o PC e o router for feita através de um cabo, abra o seu browser da web. A página de início de sessão da interface gráfica do router sem fios é automaticamente apresentada.

Se o PC estiver ligado ao router através de uma ligação sem fios, terá de seleccionar primeiro a rede.

Para seleccionar a rede:

1. Clique em **Start (Iniciar) > Control Panel (Painel de controlo) > Network Connections (Ligações de rede) > Wireless Network Connection (Ligação pela rede sem fios)**.

2. Seleccione uma rede na janela **Choose a wireless network (Escolha uma rede sem fios)**. Aguarde até a ligação ser estabelecida.

Nota: Por predefinição, o SSID do router sem fios é **default**. Faça a ligação a este SSID predefinido.

3. Depois de ter estabelecido uma ligação sem fios, abra o browser da web.

Notas: :

- Pode também introduzir manualmente o endereço IP predefinido do router (**192.168.1.1**) para abrir a interface da web.
- Para mais informação sobre a configuração do router sem fios usando a interface gráfica para a web consulte o Capítulo 4: Configuração com a interface gráfica para a web.

3 Configuração dos clientes de rede

Aceder ao router sem fios

Configurar um endereço IP para um cliente cablado ou sem fios

Para aceder ao Router Sem Fios WL-500gP V2, é necessário ter as configurações TCP/IP correctas nos seus clientes cablados ou sem fios. Defina os endereços IP dos clientes a partir da mesma sub-rede do WL-500gP V2.

Por predefinição, o router sem fios da ASUS integra funções de servidor DHCP o qual atribui automaticamente endereços IP aos clientes da rede.

No entanto, nalguns casos o utilizador pode querer atribuir endereços IP fixos a determinados clientes ou computadores da rede em vez de os obter automaticamente a partir do router sem fios.

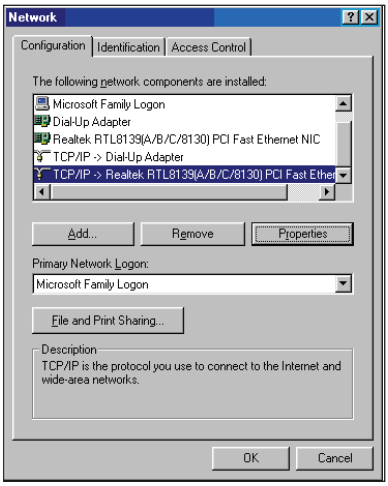
Siga as instruções que correspondem ao sistema operativo instalado no seu cliente ou computador.

Nota: Se quiser atribuir manualmente um endereço IP ao cliente, recomendamos-lhe que use as seguintes definições:

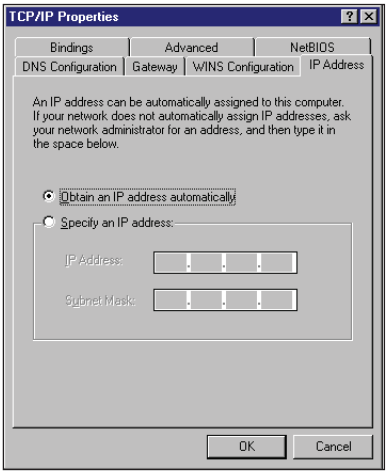
- **Endereço IP:** 192.168.1.xxx (os xxx podem representar qualquer número entre 2 e 254. Certifique-se de que o endereço IP não está a ser utilizado por outro dispositivo)
- **Máscara de sub rede:** 255.255.255.0 (igual à do router sem fios da ASUS)
- **Gateway:** 192.168.1.1 (este é o endereço IP do router sem fios da ASUS)
- **DNS:** 192.168.1.1 (router sem fios da ASUS), ou atribua um servidor DNS conhecido na sua rede

Windows® 9x/ME

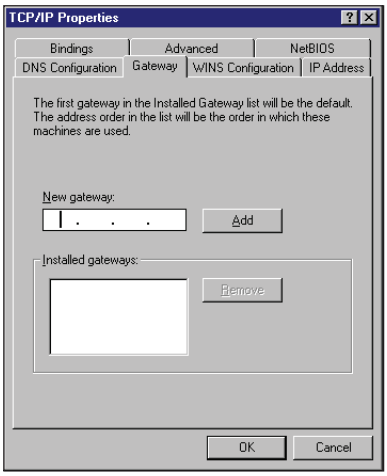
1. Clique em **Start (Iniciar)> Control Panel (Painel de controlo) > Network (Rede)** para ver a janela de configuração **Network (Rede)**.
2. Seleccione a opção TCP/IP e depois clique em **Properties (Propriedades)**.



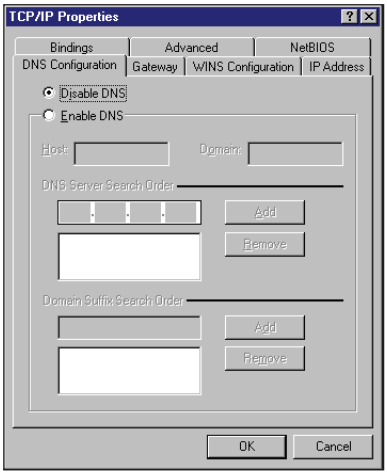
3. Se quiser que o seu computador obtenha automaticamente um endereço IP, clique em **Obtain an IP address automatically (Obter um endereço IP automaticamente)** e depois clique em **OK**. Caso contrário, clique em **Specify an IP address (Especificar um endereço IP)** e depois introduza a informação relevante nos campos **IP address (Endereço IP)** e **Subnet Mask (Máscara de sub rede)**.



4. Seleccione o separador Gateway, de seguida introduza a informação relevante no campo **New gateway (Novo gateway)** e clique em **Add (Adicionar)**.

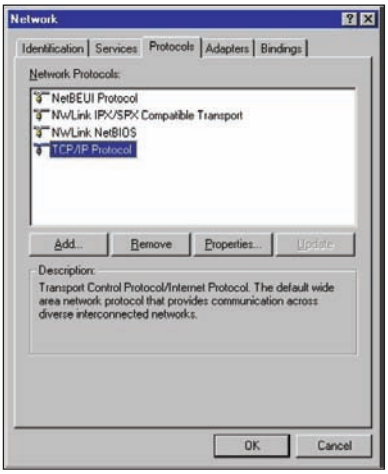


5. Seleccione o separador **DNS configuration (Configuração DNS)** e clique em **Enable DNS (Activar DNS)**. Introduza a informação relevante nos **campos Host (Anfitrião), Domain (Domínio)** e **DNS Server Search Order (Ordem de procura do servidor DNS)** e clique em **Add (Adicionar)**.
6. Clique em **OK**.

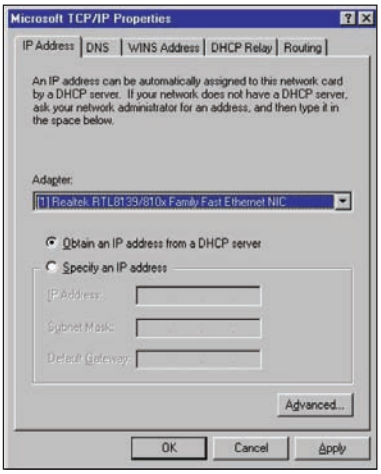


Windows® NT4.0

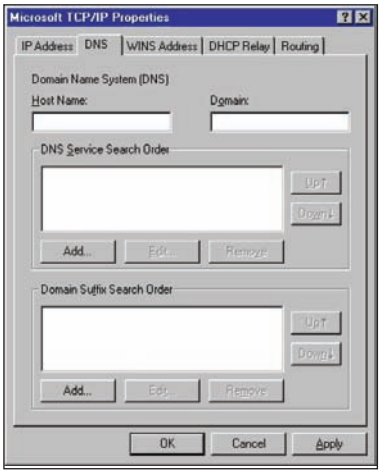
1. Vá até **Control Panel (Painel de controlo) > Network (Rede)** para ver a janela de configuração **Network (Rede)** e seleccione o separador **Protocols (Protocolos)**.
2. Seleccione **TCP/IP Protocol (Protocolo TCP/IP)** na lista **Network Protocols (Protocolos de rede)** e clique em **Properties (Propriedades)**.



3. No separador **IP Address (Endereço IP)** da janela **Microsoft TCP/IP Properties (Propriedades TCP/IP da Microsoft)** pode:
   - Seleccionar o tipo de placa de rede instalada no seu sistema.
   - Definir o router para atribuir endereços IP automaticamente.
   - Definir manualmente o endereço IP, a máscara de sub rede e o gateway predefinido.

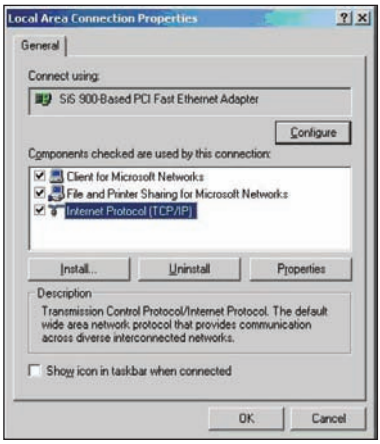


4. Seleccione o separador DNS e clique em **Add (Adicionar)** na opção **DNS Service Search Order (Ordem de procura do servidor DNS)** e introduza a informação relativa ao DNS.

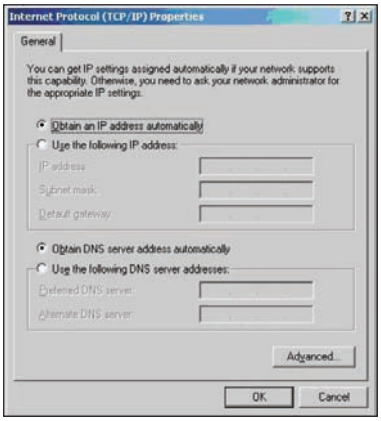


Windows® 2000

1. Clique em **Start (Iniciar) > Control Panel (Painel de controlo) > Network and Dial-up Connection (Ligações de acesso telefónico e de rede)**. Prima a tecla direita do rato sobre a opção **Local Area Connection (Rede local)** e depois clique em **Properties (Propriedades)**.



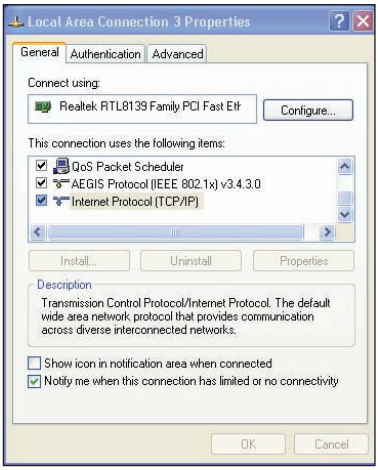
2. Seleccione a opção **Internet Protocol (TCP/IP) (Protocolo Internet (TCP/IP))** e clique em **Properties (Propriedades)**.
3. Seleccione a opção **Obtain an IP address automatically (Obter um endereço IP automaticamente)** se quiser que as definições IP sejam atribuídas automaticamente. Caso contrário, seleccione **Use the following IP address: (Usar o seguinte endereço IP:)** e introduza a informação relevante nos campos **IP address (Endereço IP)**, **Subnet mask (Máscara de sub rede)** e **Default gateway (Gateway predefinido)**.



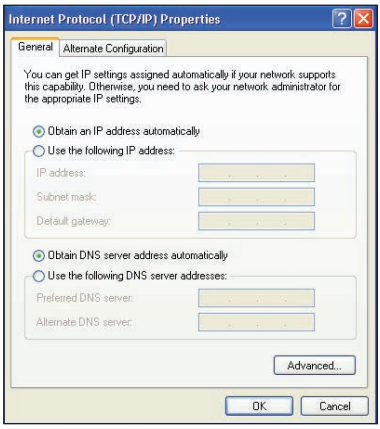
4. Seleccione a opção **Obtain an IP address automatically (Obter um endereço IP automaticamente)** se quiser que as definições do servidor DNS sejam atribuídas automaticamente. Caso contrário, **seleccione Use the following DNS server address: (Usar o seguinte endereço de servidor DNS:)** e introduza a informação relevante no campo **Preferred and Alternate DNS server (Servidor DNS preferencial e alternativo)**.
5. Clique **OK** quando terminar.

Windows® XP

1. Clique em **Start (Iniciar) > Control Panel (Painel de controlo) > Network Connection (Ligações de rede)**. Prima a tecla direita do rato sobre a opção **Local Area Connection (Rede local)** e depois seleccione **Properties (Propriedades)**.



2. Seleccione a opção **Internet Protocol (TCP/IP) (Protocolo Internet (TCP/IP))** e clique em **Properties (Propriedades)**.
3. Seleccione a opção O**btain an IP address automatically (Obter um endereço IP automaticamente)** se quiser que as definições IP sejam atribuídas automaticamente. Caso contrário, seleccione **Use the following IP address: (Usar o seguinte endereço IP:)** e introduza a informação relevante nos campos **IP address (Endereço IP)**, **Subnet mask (Máscara de sub rede)** e **Default gateway (Gateway predefinido)**.



4. Seleccione a opção **Obtain DNS server address automatically (Obter endereço do servidor DNS automaticamente)** se quiser que as definições do servidor DNS sejam atribuídas automaticamente. Caso contrário, seleccione **Use the following DNS server address: (Usar o seguinte endereço de servidor DNS:)** e introduza a informação relevante no campo **Preferred and Alternate DNS server (Servidor DNS preferencial e alternativo)**.
5. Clique **OK** quando terminar.

4 Configuração com a interface gráfica para a web

Configuração com a interface gráfica para a web

A interface gráfica para a web do router permite-lhe configurar as seguintes opções: **Settings (Definições).**

Para fazer a configuração através da interface gráfica para a web:

1. Depois de ter estabelecido uma ligação com ou sem fios, abra o browser da web. A página de início de sessão é automaticamente aberta.

Nota: Pode também introduzir manualmente o endereço IP predefinido do router (**192.168.1.1**) para abrir a interface da web.

2. Na página de início de sessão, introduza o nome de utilizador predefinido (**admin**) e a senha (**admin**).
3. Na página principal, clique no menu de navegação ou nas ligações para configurar as várias funções do router sem fios da ASUS.

Configurar as Definições

Esta página permite-lhe configurar as definições do router e da rede. Poderá configurar as definições para: Wireless (Ligação sem fios), LAN (Rede local), WAN, Firewall, Administration (Administração), e System Log (Registo do sistema).

Para iniciar a página de Definições:

- Clique em Setting (Definições) no menu de navegação do lado esquerdo do ecrã.

Actualização do firmware

Nota: Transfira o mais recente firmware a partir do web site da ASUS em **http://www.asus.com**

Para actualizar o firmware.

1. Clique em **Settings (Definições)** no menu de navegação visível no lado esquerdo do ecrã.
2. No menu **Administration (Administração)** clique em **Firmware Upgrade (Actualização do firmware)**.
3. No campo **New Firmware File (Novo ficheiro de firmware)**, clique em Browse (Procurar) para definir onde quer guardar o novo firmware no computador.
4. Clique em **Upload (Transferir)**. A operação de transferência demora cerca de três minutos.

Nota: Se a actualização falhar, o router sem fios entra automaticamente no modo de emergência ou de falha e o LED indicador de alimentação existente no painel frontal começa a piscar lentamente. Para recuperar ou restaurar o sistema use o utilitário **Firmware Restoration**. Para mais informações sobre este utilitário, consulte a secção Firmware Restoration no Capítulo 5 deste manual do utilizador.

Restaurar/guardar/transferir as definições

Para restaurar/guardar/transferir as definições:

1. Clique em **Settings (Definições)** no menu de navegação visível no lado esquerdo do ecrã.
2. No menu **Administration (Administração)** clique em **Restore (Restaurar) /Save (Guardar)/Upload Setting (Transferir definições)**.

3. Seleccione as tarefas que pretende executar:
   - Para restaurar as predefinições de fábrica, clique em **Restore (Restaurar)** e depois em **OK** na mensagem de confirmação.
   - Para guardar as definições do sistema actuais, clique em **Save (Guardar)** e depois novamente em **Save (Guardar)** na janela de transferência do ficheiro para guardar o ficheiro do sistema no caminho pretendido.
   - Para restaurar as definições do sistema anteriores, clique em **Browse (Procurar)** para procurar o ficheiro de sistema que quer restaurar e depois clique em **Upload (Transferir)**.

5 Instalação dos utilitários

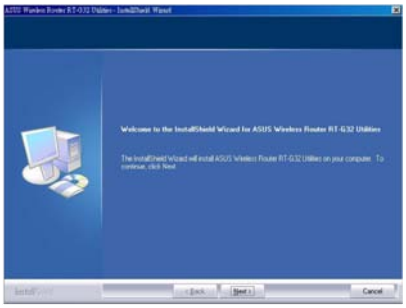
Instalação dos utilitários

O CD de suporte inclui os utilitários necessários para configuração do router sem fios da ASUS. Para instalar os utilitários da WLAN da ASUS no sistema operativo Microsoft® Windows, introduza o CD de suporte na unidade de CD-ROM. Se a função de execução automática estiver desactivada, execute o ficheiro setup.exe que encontra no directório raiz do CD.

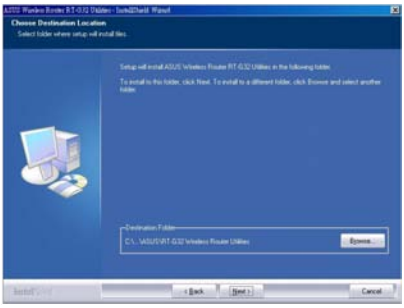
Para instalar os utilitários:

1. Clique em **Install ASUS Wireless Router Utilities (Instalar utilitários do router ASUS sem fios)**.

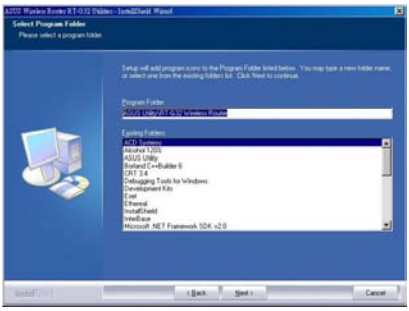
2. Clique em **Next (Seguinte).**



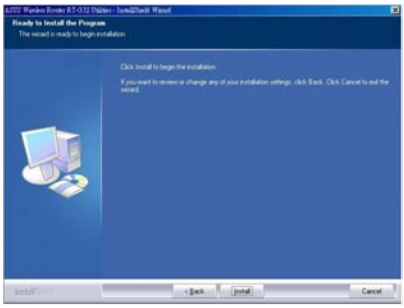
3. Clique em **Next (Seguinte)** para aceitar a pasta de destino predefinida ou em **Browse (Procurar)** para especificar um caminho diferente.



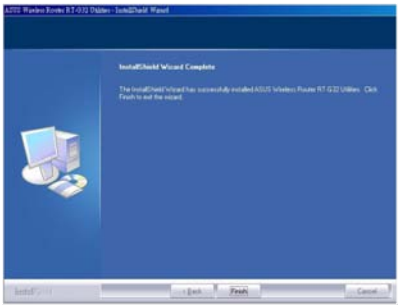
4. Clique em **Next (Seguinte)**.



5. Clique em **Install (Instalar)** para instalar o utilitário.



6. Clique em **Finish (Concluir)** quando terminar.

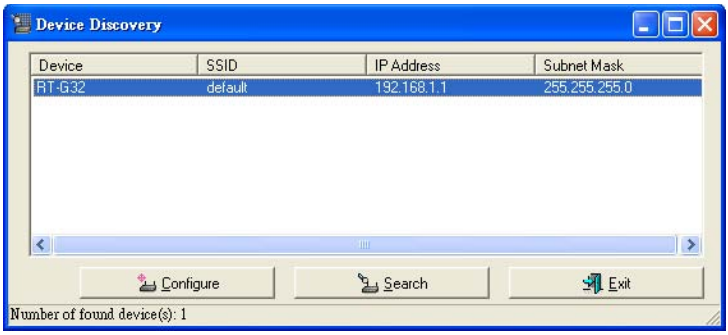


O Device Discovery

O Device Discovery é um utilitário para a WLAN da ASUS que detecta o router sem fios da ASUS e permite.

Para abrir o Device Discovery:

- No ambiente de trabalho do computador, clique em **Start (Iniciar) > All Programs (Todos os programas) > ASUS Utility (Utilitário da ASUS) > RT-G32 Wireless Router (Router sem fios RT-G32) > Device Discovery (Device Discovery)**.



O Firmware Restoration

O Firmware Restoration é um utilitário que procura um router sem fios da ASUS que tenha falhado durante a actualização do firmware e que restaura ou volta a carregar o firmware que o utilizador especificar. Esta operação demora cerca de três ou quatro minutos.

NÃO utilize este utilitário a menos que encontre situações anormais, tais como firmware danificado, falha de actualização ou de sistema.

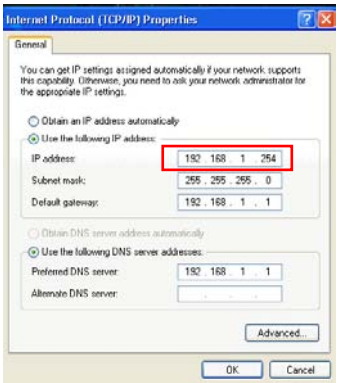
1. Transfira as versões mais recentes do firmware e do utilitário a partir do nosso Web site (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Descomprima o ficheiro do utilitário, depois execute o ficheiro **Setup.exe**. Clique em **Next (Seguinte)** para concluir a instalação.

Definir manualmente o endereço IP

Clique em **Start (Iniciar) > Control Panel (Painel de controlo) >Network Connection (Ligações de rede)**. Clique com o botão direito do rato em **Local Area Connection (Ligação de área local)** e seleccione **Properties (Propriedades)**.

Defina manualmente o endereço IP (192.168.1.254).

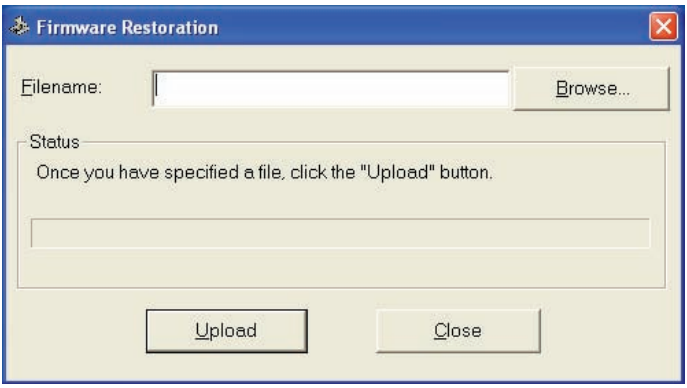
- Sugerimos que utilize a ligação com fios e defina manualmente o endereço IP para obter um ambiente de transmissão ideal.
- Certifique-se que a firewall do PC está desactivada.



3. Desligue o router sem fios, prima e mantenha premido o botão **reset (reiniciar)** e ligue novamente o dispositivo. O dispositivo sem fios entrará em modo de recuperação quando o LED WLAN piscar.

NÃO desligue ou reinicie o dispositivo durante a actualização do firmware! Se o fizer poderá provocar falhas no arranque do sistema.

4. A partir do ambiente de trabalho do Windows® , clique em **Start (Iniciar) > All programs (Todos os programas) > ASUS Utility (Utilitário ASUS) > RT-G32 Wireless Router (Router sem fios RT-G32) > Firmware Restoration (Restauro do firmware)**.
5. Clique em **Browse (Procurar)** para seleccionar o ficheiro de firmware e depois clique em **Upload (Enviar)**.



6. Depois do envio com êxito do firmware, o dispositivo reiniciará automaticamente.

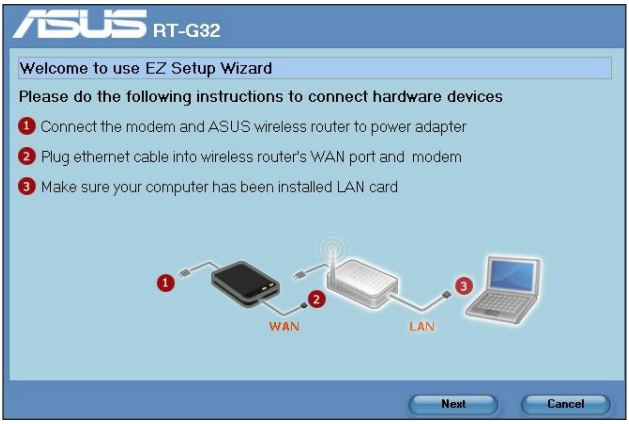
EZSetup

O EZSetup é um utilitário que lhe permite configurar facilmente a sua rede sem fios

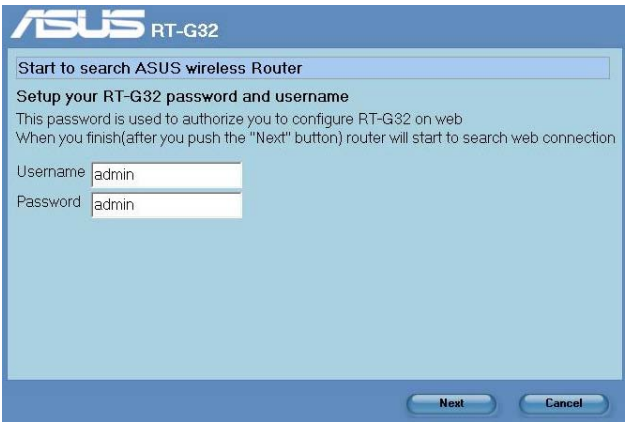
Antes de instalar o EZSetup, certifique-se que o RT-G32 está ligado ao modem ou ao PC por um cabo RJ45.

Para utilizar o EZSetup:

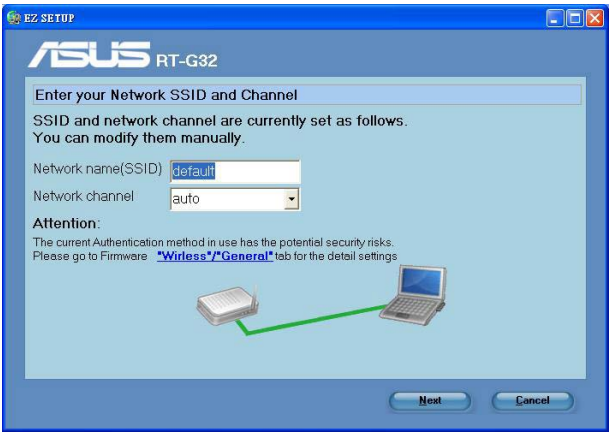
1. Siga as instruções para ligar o dispositivo de hardware. Quando terminar, clique em **Next (Seguinte)**.



2. Introduza o nome de utilizador e a palavra-passe para configurar o router sem fios na Web. Quando terminar, clique em **Next (Seguinte)**.

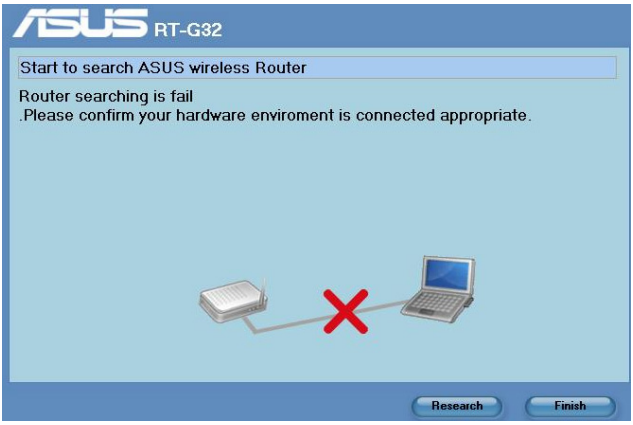


3. Depois de configurar o nome de rede SSID e o canal, clique em **Next (Seguinte)** para continuar.



(A ligar)

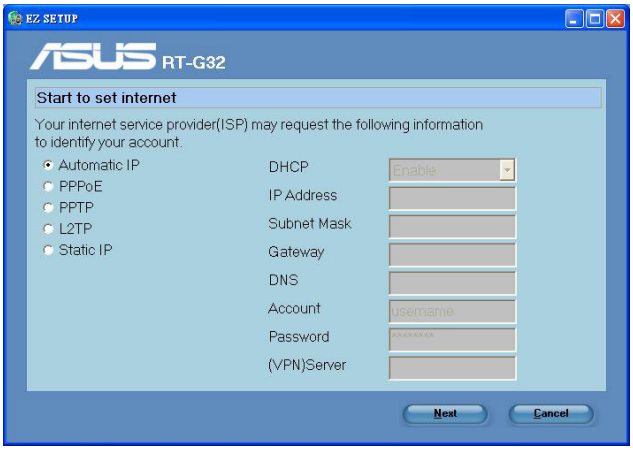
Se a ligação falhar, certifique-se que o hardware está devidamente ligado e clique em **Re-search (Procurar novamente)** para procurar novamente.



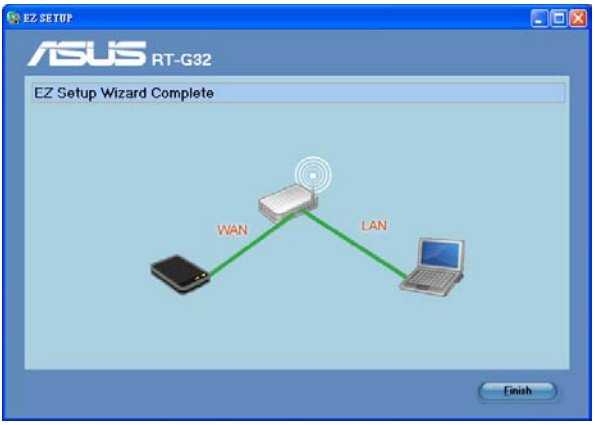
(A ligação falhou))

4. Clique em **Next (Seguinte)** para configurar as definições de ligação básicas do ISP. Clique em **Finish (Concluir)** para terminar as definições das redes internas.

5. Seleccione o seu tipo de ligação a partir dos seguintes tipos de serviços de ISP: **Automatic IP (IP automático), PPPoE, PPTP, L2TP,** e **Static IP (IP estático)**. Introduza as informações necessárias para o tipo de ligação do seu ISP. Quando terminar, clique em **Next (Seguinte)**.



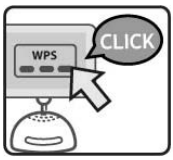
6. Quando terminar, clique em **Finish (Concluir)**.



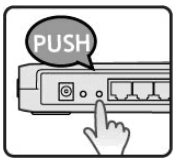
Configuração rápida do botão WPS

Ao ligar um PC com uma placa sem fios (como, por exemplo, uma USB-N11 e PCI-G31 da ASUS) e com a função WPS, siga as instruções em baixo para activar a configuração rápida do botão WPS.

1. Para usar o botão WPS, certifique-se de que a função WPS tanto do router sem fios RT-G32 como do outro computador sem fios está activada.



2. Prima o botão WPS existente no painel traseiro do router sem fios RT-G32.



3. O LED da WLAN RT-G32 pode acender e piscar lentamente depois de estabelecida a ligação WPS.

6 Resolução de problemas

Resolução de problemas

Este guia para resolução de problemas fornece soluções para alguns problemas comuns com os quais se pode deparar durante a instalação ou utilização do router sem fios da ASUS. Estes problemas são de fácil resolução e podem ser resolvidos pelo utilizador. Contacte a assistência técnica da ASUS caso se depare com um qualquer problema não mencionado neste capítulo.

Problema	Acção
Não é possível aceder ao browser da web para configuração do router.	1. Abra o browser da web e clique em **Tools (Ferramentas) > Internet Options... (Opções da Internet...).** 2. Na opção **Temporary Internet files (Ficheiros temporários da Internet)** clique em **Delete Cookies... (Eliminar cookies...) e** depois em **Delete Files... (Eliminar ficheiros...).**
O cliente não consegue estabelecer uma ligação sem fios com o router.	**Fora de alcance:** • Coloque o router mais próximo do cliente sem fios. • Experimente alterar as definições do canal. **Autenticação:** • Utilize uma ligação com fios para ligar ao router. • Verifique as definições de segurança da ligação sem fios. • Prima o botão Restore existente no painel frontal durante mais de cinco segundos. **Não é possível localizar o router:** • Prima o botão Restore existente no painel traseiro durante mais de cinco segundos. • Verifique as definições na placa sem fios como, por exemplo, as definições SSID e de encriptação.

Problema	Acção
Não é possível aceder à Internet através da LAN sem fios	• Coloque o router mais próximo do cliente sem fios. • Verifique se a placa sem fios está ligada ao router sem fios correcto. • Verifique se o canal da função sem fios em utilização está em conformidade com os canais disponíveis no seu país/na sua área. • Verifique as definições de encriptação. • Verifique se a ligação por ADSL ou por cabo está correcta. • Volte a tentar utilizando um outro cabo Ethernet.
Não é possível aceder à Internet	• Verifique os LEDs de estado no modem ADSL e no router sem fios • Verifique se o LED “WAN” no router sem fios está LIGADO. Se o LED não estiver ligado, mude o cabo e tente novamente.
Quando o LED "Link" do modem ADSL estiver aceso (sem estar a piscar) é sinal de que é possível ligar à Internet.	• Reinicie o computador. • Consulte o guia de consulta rápida do router sem fios e volte a configurar as definições. • Verifique se o LED “WAN” no router sem fios está LIGADO. • Verifique as definições de encriptação da função sem fios. • Verifique se o computador consegue ou não obter o endereço IP (tanto através da rede com fios como da rede sem fios). • Certifique-se de que o seu browser da web está configurado para utilizar a LAN local e não para utilizar um servidor proxy.
Se o LED "LINK" do modem ADSL estiver intermitente ou desligado, é sinal de que não é possível aceder à Internet – o router não consegue estabelecer ligação através da rede ADSL.	• Certifique-se de que todos os cabos estão devidamente ligados . • Desligue o cabo de alimentação do modem ADSL ou do modem por cabo. Aguarde alguns minutos e volte a ligar o cabo. • Se o LED do modem ADSL continuar a piscar ou permanecer desligado, contacte o seu fornecedor de serviços.

Problema	Acção
Network name or encryption keys are forgotten	• Experimente utilizar uma ligação com fios para depois configurar a encriptação sem fios. • Prima o botão Restore existente no painel traseiro do router sem fios durante mais de cinco segundos.
How to restore the system to its default settings	• Prima o botão Restore existente no painel traseiro do router sem fios durante mais de cinco segundos. • Consulte a secção Restoring to the default settings (Restaurar para as definições de fábrica) no capítulo 4 deste manual do utilizador. AS opções seguintes são as predefinições de fábrica. **Nome de utilizador:** admin **Senha:** admin **Activar DHCP:** Sim (se o cabo WAN estiver ligado) **Endereço IP:** 192.168.1.1 **Nome de domínio:** (Vazio) **Máscara de sub rede:** 255. 255. 255.0 **Servidor de DNS 1:** 192 .168.1.1 **Servidor de DNS 2:** (Vazio) **SSID:** default

Apêndices

Avisos

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Version 2, June 1991

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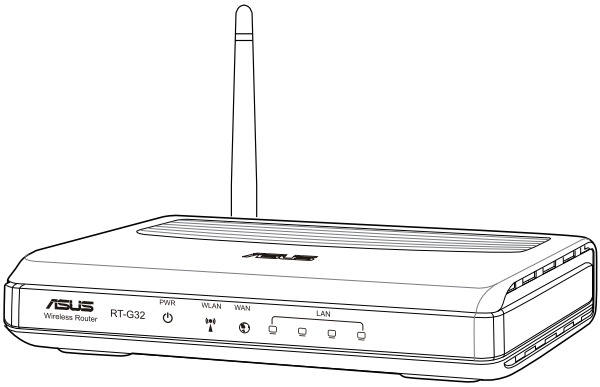
RT-G32
Router bezprzewodowy



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PL4264

Wydanie poprawione V1
Grudzień 2008

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Spis treści

Spis treści

O tym podręczniku

Ten podręcznik użytkownika zawiera informacje wymagane do instalacji i konfiguracji routera bezprzewodowego ASUS.

Jak zorganizowany jest ten podręcznik

Ten podręcznik zawiera następujące części:

- **Rozdział 1: Poznanie routera bezprzewodowego**
  Ten rozdział zawiera informacje dotyczące zawartości opakowania, wymagania systemowe, funkcje sprzętu i wskaźniki LED routera bezprzewodowego ASUS.

- **Rozdział 2: Ustawienia sprzętu**
  Ten rozdział udostępnia instrukcje dotyczące ustawień, dostępu i konfiguracji routera bezprzewodowego ASUS.

- **Rozdział 3: Konfiguracja klientów sieciowych**
  Ten rozdział udostępnia instrukcje dotyczące ustawień klientów w sieci do pracy z routerem bezprzewodowego ASUS.

- **Rozdział 4: Konfiguracja poprzez web GUI**

  Ten rozdział udostępnia instrukcje dotyczące konfiguracji routera bezprzewodowego ASUS z wykorzystaniem jego graficznego interfejsu web użytkownika (web GUI).

- **Rozdział 5: Instalacja narzędzi**

  Ten rozdział zawiera informacje dostępne na pomocniczym dysku CD.

- **Rozdział 6: Rozwiązywanie problemów**

  Ten rozdział udostępnia instrukcje rozwiązywania problemów, umożliwiające rozwiązanie popularnych problemów, które mogą wystąpić podczas używania routera bezprzewodowego ASUS.

- **Dodatki**

  Ten rozdział zawiera uwagi dotyczące przepisów i oświadczenia bezpieczeństwa.

Konwencje stosowane w tym podręczniku

OSTRZEŻENIE: Informacja o możliwości odniesienia obrażeń podczas wykonywania zadania.

PRZESTROGA: Informacja o możliwości uszkodzenia komponentów podczas wykonywania zadania.

WAŻNE: Instrukcja, która MUSI zostać wykonana w celu dokończenia zadania.

UWAGA: Wskazówki i dodatkowe informacje pomagające w dokończeniu zadania.

1 Poznanie routera bezprzewodowego

Zawartość opakowania

Sprawdź, czy w opakowaniu z routerem bezprzewodowym ASUS znajdują się następujące elementy.

- ☑ Router bezprzewodowy RT-G32
- ☑ Adapter zasilania
- ☑ Pomocniczy dysk CD (podręcznik, narzędzia)
- ☑ Kabel RJ45
- ☑ Instrukcja szybkiego uruchomienia

Uwaga: Jeśli jakiekolwiek elementy są uszkodzone lub ich brakuje należy skontaktować się ze sprzedawcą.

Wymagania systemowe

Przed instalacją rputera bezprzewodowego ASUS należy upewnić się, czy system/ sieć spełnia następujące wymagania:

- Port Ethernet RJ-45 (10Base-T/100Base-TX)
- Co najmniej jedno urządzenie IEEE 802.11b/g z możliwością pracy bezprzewodowej
- Zainstalowany protokół TCP/IP i przeglądarka Internetu
- Obsługa Internet Explorer 6.0 lub wersji późniejszej.

Przed kontynuowaniem

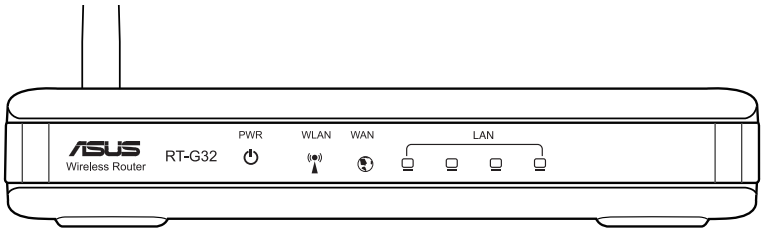
Przed instalacją routera bezprzewodowego ASUS należy zastosować się do następujących wskazówek:

- Długość kabla Ethernet, do połączenia urządzenia z siecią (hub, modem ADSL/ sieć kablowa, router, ścienny panel przyłączeniowy) nie może przekraczać 100 metrów.
- Urządzenie należy ustawić na płaskiej, stabilnej powierzchni jak najdalej od ziemi.
- Urządzenie należy zainstalować z dala od metalowych przeszkód i bezpośredniego słońca.

- Aby zapobiec utracie sygnału urządzenie należy trzymać z dala od transformatorów, wysokiej wydajności silników, lamp jarzeniowych, kuchenek mikrofalowych, lodówek i innych urządzeń przemysłowych.
- IUrządzenie należy zainstalować w centralnym miejscu, aby zapewnić idealne pokrycie wszystkich mobilnych urządzeń bezprzewodowych.
- Urządzenie należy zainstalować w odległości, co najmniej 20cm od osoby, aby zapewnić działanie produktu zgodnie z zaleceniami RF dotyczącymi zdrowia ludzi, zaadoptowanymi przez Federal Communications Commission (Federalna Komisja ds. Komunikacji).

Funkcje sprzętowe

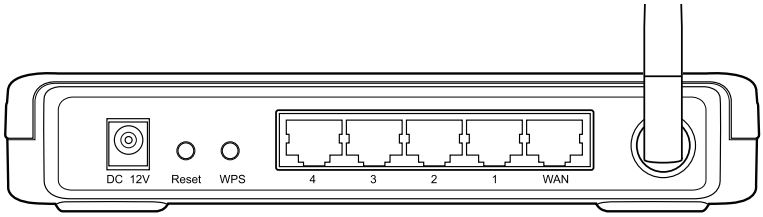
Panel przedni



Wskaźniki stanu

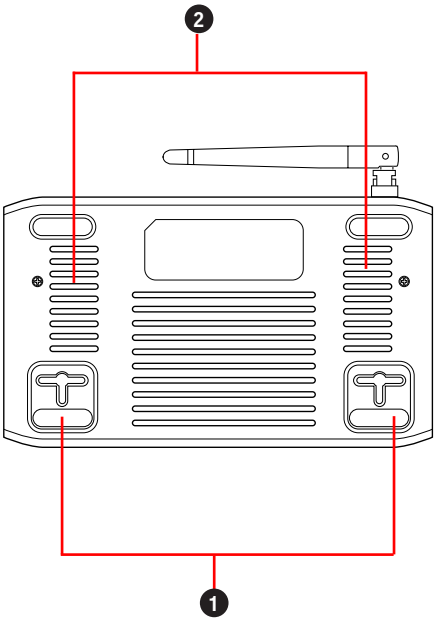
LED	Stan	Wskazanie
⏻ (Zasilanie)	Wyłączony	Brak zasilania
	Włączony	Gotowość systemu
WLAN (Sieć bezprzewodowa)	Wyłączony	Brak zasilania
	Włączony	Gotowość systemu bezprzewodowego
	Miganie	Transmisja lub odbieranie danych (bezprzewodowe)
LAN 1-4 (Lokalna sieć komputerowa)	Wyłączony	Brak zasilania lub fizycznego połączenia
	Włączony	Fizyczne połączenie z siecią Ethernet
	Miganie	Transmisja lub odbieranie danych (przez kabel Ethernet)
WAN (Rozległa sieć komputerowa)	Wyłączony	Brak zasilania lub fizycznego połączenia
	Włączony	Fizyczne połączenie z siecią Ethernet
	Miganie	Transmisja lub odbieranie danych (przez kabel Ethernet)

Panel tylny



Element	Opis
ANTENNA	Wyreguluj ręcznie antenę, aby uzyskać najlepszy odbiór sygnału
WPS	Naciśnij ten przycisk, aby uruchomić WPS (Ustawienia zabezpieczenia Wi-Fi)
Reset	Naciśnij na trzy sekundy, aby przywrócić domyślne ustawienia fabryczne
WAN	Do tego portu należy podłączyć kabel Ethernet RJ-45 w celu ustanowienia połączenia WAN.
LAN1-LAN4	Podłącz do tych portów kable Ethernet RJ-45 w celu ustanowienia połączenia LAN.
Prąd stały 12 V	Włóż adapter prądu stałego do tego portu, aby podłączyć router do źródła zasilania.

Panel dolny



Panel dolny	Opis
1	**Haczyki montażowe** Użyj haczyków montażowych do montażu routera na betonowych lub drewnianych powierzchniach, używając dwóch śrub z okrągłymi łbami.
2	**Szczeliny wentylacyjne** Te szczeliny wentylacyjne zapewniają wentylację routera.

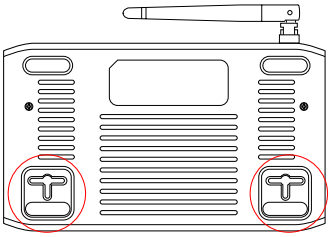
Uwaga: Szczegółowe informacje dotyczące montażu routera na ścianie lub na suficie, znajdują się w części Mounting options (Opcje montażowe) na następnej stronie tego podręcznika użytkownika.

Opcje montażu

Po wyjęciu z opakowania, router bezprzewodowy ASUS RT-G32 należy ustawić na płaskiej powierzchni, takiej jak szafka, czy półka na książki. Urządzenie może być także przekształcone do wersji montowanej na ścianie lub na suficie.

W celu montażu ASUS RT-G32:

1. Odszukaj pod spodem dwa zaczepy montażowe.
2. Odznacz na ścianie lub na wznoszącej się płaskiej powierzchni dwa górne otwory.
3. Dokręć dwie śruby, aż do pozostawienia 1/4" długości.
4. Ustaw zaczepy ASUS RT-G32 na śrubach.



Uwaga: Wyreguluj ponownie śruby, jeśli nie można zaczepić routera bezprzewodowego ASUS na dwóch śrubach lub, jeśli połączenie jest zbyt luźne.

2 Ustawienia sprzętu

Ustawienia routera bezprzewodowego

Router bezprzewodowy ASUS umożliwia wykonywanie różnych scenariuszy pracy poprzez właściwe konfiguracje. Może być wymagana zmiana domyślnych ustawień routera bezprzewodowego, aby zapewnić zgodność z wymaganiami w środowisku bezprzewodowym. Router udostępnia także EZSetup, narzędzie, które umożliwia łatwe ustawienie bezpiecznego połączenia bezprzewodowego.

Uwagi:

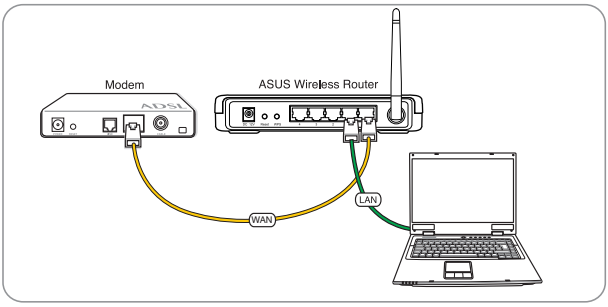
- Dalsze szczegółowe informacje dotyczące EZSetup, zawiera część **EZSetup** Rozdziała 5 tego podręcznika użytkownika.

Ustawienia połączenia przewodowego

Router bezprzewodowy ASUS jest dostarczany z kablem Ethernet. Router bezprzewodowy posiada zintegrowaną funkcję automatycznego krosowania, dlatego do połączenia przewodowego można używać skrętki prostej lub skrosowanej.

Aby ustawić połączenie przewodowe:

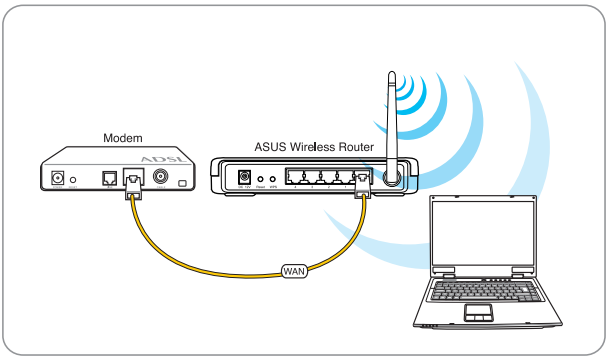
1. Włącz router i modem.
2. Używając kabla Ethernet, połącz port WAN routera z modemem.
3. Używając innego kabla Ethernet, połącz port LAN routera z portem LAN komputera PC.



Ustawienia połączenia bezprzewodowego

W celu ustawienia połączenia bezprzewodowego:

1. W celu włączenia routera i modemu.
2. Używając kabla Ethernet, podłącz modem do portu WAN routera.
3. Podłącz kartę WLAN zgodną z IEEE 802.11b/g. Sprawdź procedury połączenia bezprzewodowego w podręczniku użytkownika adaptera bezprzewodowego. Domyślnie, SSID routera bezprzewodowego ASUS to “default” (pisane małymi literami), szyfrowanie jest wyłączone i używana jest opcja uwierzytelniania - otwarty system.



Konfiguracja routera bezprzewodowego

Router bezprzewodowy ASUS posiada graficzny intefejs użytkownika oparty o sieć web (web GUI), który umożliwia konfigurację routera bezprzewodowego z użyciem w komputerze przeglądarki sieci web.

Używanie web GUI

Jeśli komputer PC łączy się z routerem poprzez kabel, uruchom przeglądarkę sieci web, po czym zostanie automatycznie uruchomiona strona logowania web GUI routera.

Jeśli komputer PC łączy się z routerem bezprzewodowo należy najpierw sieć.

Aby wybrać sieć:

1. Kliknij **Start > Control Panel (Panel sterowania) > Network Connections (Połączenia sieciowe) > Wireless Network Connection (Połączenie z siecią bezprzewodową)**.

2. Wybierz sieć w oknie Choose a wireless network (Wybierz sieć bezprzewodową). Zaczekaj na połączenie.

Uwaga: Domyślnie, ustawione jest domyślne **SSID** routera bezprzewodowego. Połącz z domyślnym SSID.

3. Po ustanowieniu połączenia bezprzewodowego, uruchom przeglądarkę.

Uwagi:

- W celu uruchomienia interfejsu web routera, można także ręcznie wprowadzić domyślny adres IP routera **(192.168.1.1)**.
- W celu uzyskania dalszych szczegółowych informacji dotyczących konfiguracji routera bezprzewodowego z użyciem web GUI, sprawdź Rozdział 4: Konfiguracja poprzez web GUI.

3 Konfiguracja klientów sieciowych

Dostęp do routera bezprzewodowego

Ustawienie adresu IP dla klienta przewodowego lub bezprzewodowego

W celu uzyskania dostępu do routera bezprzewodowego RT-G32 należy wykonać prawidłowe ustawienia TCP/IP klienta przewodowego i bezprzewodowego. Ustaw adresy IP klientów w tej samej podsieci RT-G32.

Domyślnie, bezprzewodowy router ASUS integruje funkcje serwera DHCP, który automatycznie przydziela adresy IP klientom w sieci.

Jednak w niektórych przypadkach, może wyć wymagane ręczne przydzielenie statycznych adresów IP niektórym klientom lub komputerom w sieci niż automatyczne uzyskanie adresów IP z routera bezprzewodowego.

Wykonaj instrukcje poniżej, które odpowiadają systemowi operacyjnemu zainstalowanemu w urządzeniu klienta lub komputerze.

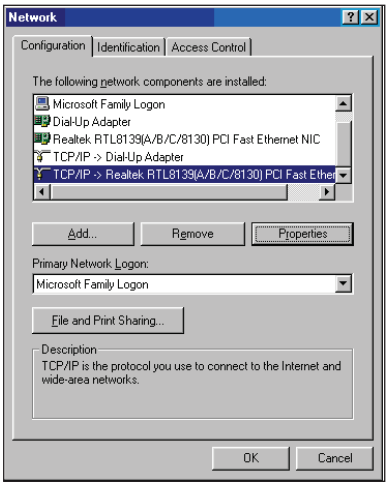
Uwaga: Aby ręcznie przydzielić adres IP dla klienta, zaleca się użycie następujących ustawień:

- **Adres IP:** 192.168.1.xxx (xxx może być dowolną liczbą z zakresu 2 do 254. Upewnij się, że adres IP nie jest wykorzystywany przez inne urządzenie)
- **Maska podsieci:** 255.255.255.0 (taki sam jak w routerze bezprzewodowym ASUS)
- **Brama:** 192.168.1.1 (Adres IP routera bezprzewodowego ASUS)
- **DNS:** 192.168.1.1 (Router bezprzewodowy ASUS) lub przydzielenie znanego w sieci adresu serwera DNS

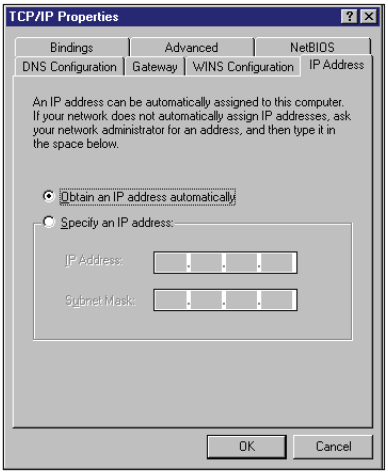
Windows® 9x/ME

1. Kliknij **Start > Control Panel (Panel sterowania) > Network (Sieć)**, aby wyświetlić okno ustawień **Network setup (Ustawienia sieci)**.

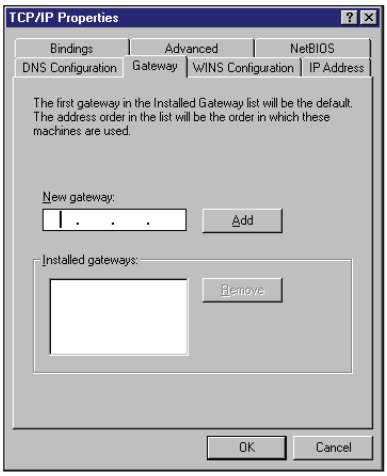
2. Wybierz TCP/IP, a następnie kliknij **Properties (Właściwości)**.



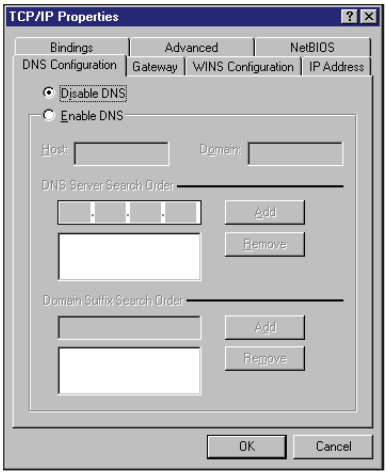
3. Aby komputer automatycznie uzyskiwał adres IP, kliknij **Obtain an IP address automatically (Uzyskaj adres IP automatycznie)**, a następne kliknij OK. W przeciwnym razie, kliknij **Specify an IP address (Określ adres IP)**, a następnie wprowadź **IP address (Adres IP)** i **Subnet Mask (Maska podsieci)**.



4. Wybierz zakładkę **Gateway (Brama)** i wprowadź **New gateway (Nowa brama)**, a następnie kliknij **Add (Dodaj)**.

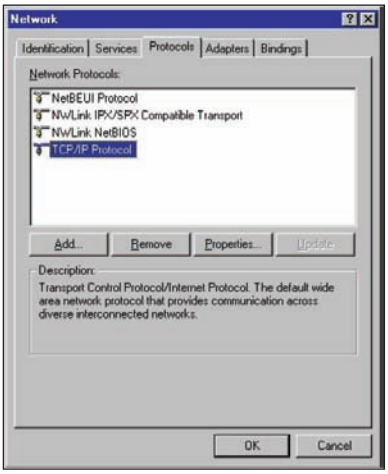


5. Wybierz zakładkę **DNS configuration (Konfiguracja DNS)** i kliknij **Enable DNS (Włącz DNS)**. Wprowadź **Host, Domain (Domena)** i **DNS Server Search Order (Kolejność wyszukiwania serwera DNS)**, a następnie kliknij **Add (Dodaj)**.
6. Kliknij **OK**.



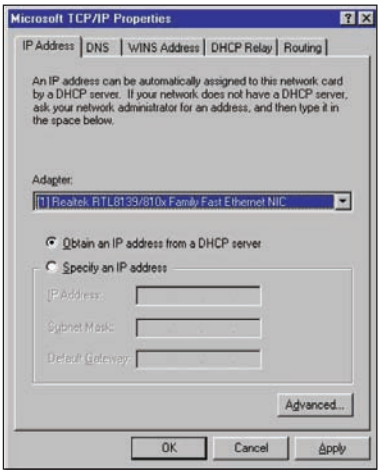
Windows® NT4.0

1. Przejdź do **Control Panel (panel sterowania) > Network (Sieć)**, aby wyświetlić okno **Network setup (Ustawienia sieci)**, a następnie wybierz zakładkę **Protocols (Protokoły)**.

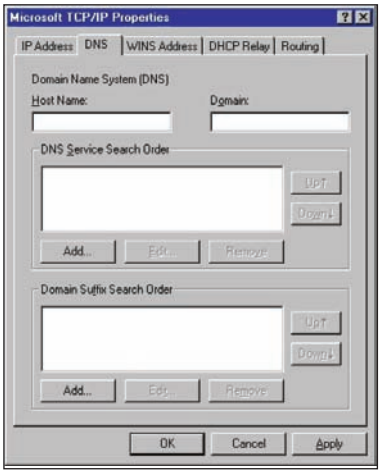


2. Wybierz **TCP/IP Protocol (Protokół TCP/IP)** z listy **Network Protocols (Protokoły sieciowe)**, a następnie kliknij **Properties (Właściwości)**.

3. W zakładce IP Address (Adres IP) okna Microsoft TCP/IP Properties (Właściwości Microsoft TCP/IP), można:
   - Wybierz typ adaptera sieciowego zainstalowanego w systemie.
   - Ustaw automatyczne przydzielanie routerowi adresu IP.
   - Ręczne ustawienie adresu IP, maski podsieci i domyślnej bramy.

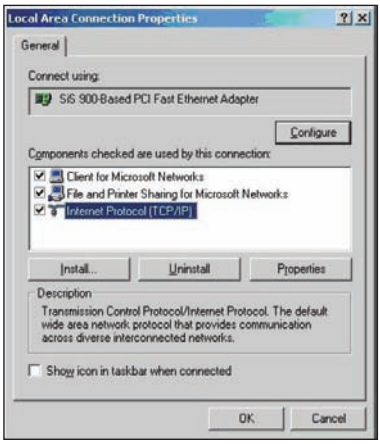


4. Wybierz zakładkę DNS, a następnie klknij **Add (Dodaj)** w opcji **DNS Service Search Order (Kolejność wyszukiwania usług DNS)** i wprowadź DNS.

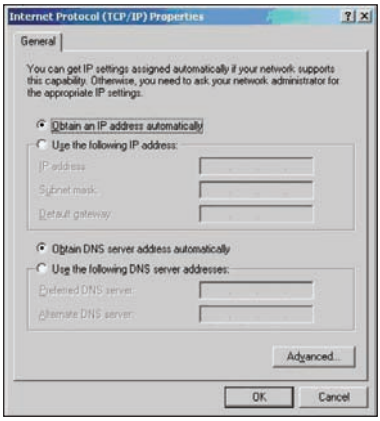


Windows® 2000

1. Kliknij **Start > Control Panel (Panel sterowania) > Network and Dial-up Connection (Sieć i połączenie dial-up)**. Kliknij prawym przyciskiem **Local Area Connection (Połączenie lokalne)**, a następnie kliknij **Properties (Właściwości)**.



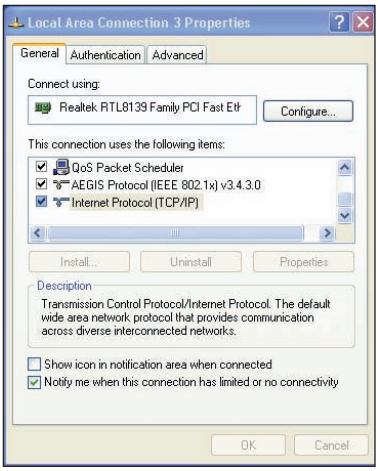
2. Wybierz **Internet Protocol (Protokół Internetowy) (TCP/IP)**, a następnie kliknij **Properties (Właściwości)**.
3. Wybierz **Obtain an IP address automatically (Uzyskaj adres IP automatycznie)**, aby automatycznie przydzielić ustawienia IP. W przeciwnym razie, wybierz **Use the following IP address (Użyj następującego adresu IP):** i wprowadź **IP address (Adres IP), Subnet mask (Maska podsieci)** i **Default gateway (Domyślna brama)**.



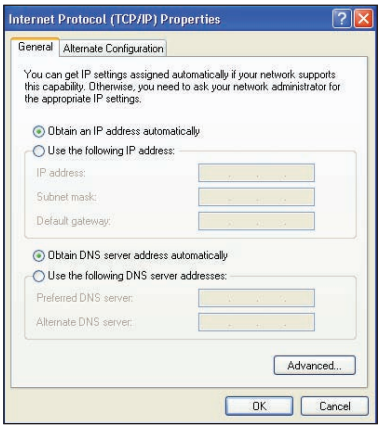
4. Wybierz **Obtain an IP address automatically (Uzyskaj adres IP automatycznie)**, aby automatycznie przydzielić ustawienia serwera DNS. W przeciwnym razie, wybierz **Use the following DNS server address (Użyj następującego adresu serwera DNS):** i wprowadź **Preferred (Preferowany)** i **Alternate DNS server (Alternatywny serwer DNS)**.
5. Po zakończeniu kliknij OK.

Windows® XP

1. Kliknij **Start > Control Panel (Panel sterowania) > Network Connection (Połączenie sieciowe)**. Kliknij prawym przyciskiem **Local Area Connection (Połączenie lokalne)**, a następnie wybierz **Properties (Właściwości)**.



2. Wybierz **Internet Protocol (Protokół Internetowy) (TCP/IP)**, a następnie kliknij **Properties (Właściwości)**.
3. Wybierz **Obtain an IP address automatically (Uzyskaj adres IP automatycznie)**, aby automatycznie przydzielić ustawienia IP. W przeciwnym razie, wybierz **Use the following IP address (Użyj następującego adresu IP):** i wprowadź **IP address (Adres IP), Subnet mask (Maska podsieci)** i **Default gateway (Domyślna brama)**.
4. Wybierz **Obtain an IP address automatically (Uzyskaj adres IP automatycznie)**, aby automatycznie przydzielić ustawienia serwera DNS. W przeciwnym razie, wybierz **Use the following DNS server address (Użyj następującego adresu serwera DNS):** i wprowadź **Preferred and Alternate DNS server (Preferowany i alternatywny serwer DNS)**.
5. Po zakończeniu, kliknij **OK**.



4 Konfiguracja poprzez web GUI

Konfiguracja przez web GUI

Graficzny interfejs web użytkownika routera (web GUI) umożliwia konfigurację następujących funkcji: **Settings (Ustawienie).**

W celu konfiguracji poprzez web GUI:

1. Po ustawieniu połączenia przewodowego lub bezprzewodowego, uruchom przeglądarkę sieci web. Nastąpi automatyczne uruchomienie strony logowania.

Uwaga: W celu uruchomienia interfejsu web routera, można także ręcznie wprowadzić domyślny adres IP routera (**192.168.1.1**).

2. Na stronie logowania, wprowadź domyślną nazwę użytkownika (**admin**) i hasło (**admin**).
3. Na stronie głównej, kliknij menu nawigacji lub łącza do konfiguracji różnych funkcji routera bezprzewodowego ASUS.

Konfiguracja ustawienia

Ta strona umożliwia konfigurację ustawień dla routera i sieci. Umożliwia to konfigurację ustawień dla: **Wireless (Sieć bezprzewodowa), LAN, WAN, Firewall, Administration (Administracja)** i **System Log (Plik log systemu)**.

Aby uruchomić stronę Setting (Ustawienia):

- Kliknij **Setting (Ustawienia)** w menu nawigacji z lewej strony ekranu.

Aktualizacja firmware

Uwaga: Pobierz najnowszy firmware ze strony sieci web ASUS, pod adresem **http://www.asus.com**

Aktualizacja firmware:

1. Kliknij **Settings (Ustawienie)** z menu nawigacji w lewej części ekranu.
2. W menu **Administration (Administracja)**, kliknij **Firmware Upgrade (Aktualizacja firmware)**.
3. W polu **New Firmware File (Nowy plik firmware)**, kliknij **Browse (Przeglądaj)**, aby zlokalizować nowy firmware w komputerze.
4. Kliknij **Upload (Prześlij)**. Proces przesyłania zajmie około trzech minut.

Uwaga: Jeśli aktualizacja nie powiedzie się, router bezprzewodowy automatycznie przejdzie do trybu awaryjnego lub trybu awarii lub zacznie wolno migać wskaźnik LED zasilania na panelu przednim. Aby odzyskać lub przywrócić system należy użyć programu narzędziowego **Firmware Restoration**. Dalsze informacje dotyczące tego narzędzia, zawiera część Firmware Restoration w Rozdziale 5 tego podręcznika użytkownika.

Przywracanie/zapisywanie/przesyłanie ustawień

Aby przywrócić/zapisać/przesłać ustawienia:

1. Kliknij **Settings (Ustawienie)** z menu nawigacji w lewej części ekranu.
2. W menu **Administration (Administracja)**, kliknij **Restore/Save/Upload Setting (Przywróć/zapisz/prześlij ustawienia)**.

3. Wybierz zadania w celu:
   - Przywrócenia domyślnych ustawień fabrycznych, kliknij **Restore (Przywroć)** i kliknij **OK** w komunikacie potwierdzenia.
   - Aby zapisać bieżące ustawienia systemu, kliknij **Save (Zapisz)** i kliknij **Save (Zapisz)** w oknie pobierania pliku, aby zapisać plik systemowy w preferowanej ścieżce.
   - Aby przywrócić poprzednie ustawienia systemu, kliknij **Browse (Przeglądaj)**, aby zlokalizować plik systemowy do przywrócenia, a następnie kliknij **Upload (Prześlij)**.

5 Instalacja narzędzi

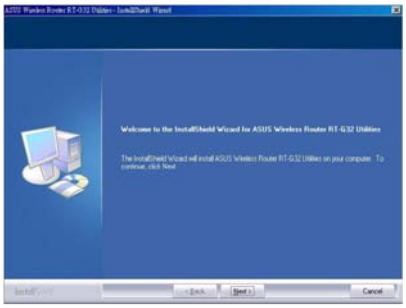
Instalacja narzędzi

Pomocniczy dysk CD zawiera narzędzia do konfiguracji routera bezprzewodowego ASUS. W celu instalacji ASUS WLAN Utilities w Microsoft® Windows, włóż pomocniczy dysk CD do napędu CD. Po wyłączeniu Autorun (Automatyczne uruchamianie), uruchom setup.exe z głównego katalogu pomocniczego dysku CD.

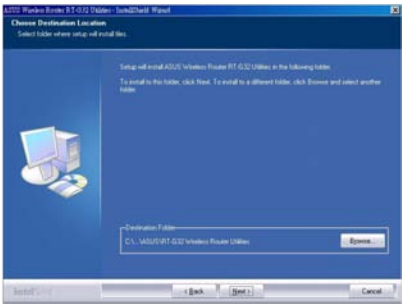
W celu instalacji narzędzi:

1. Kliknij **Install ASUS Wireless Router Utilities (Zainstaluj programy narzędziowe)**.

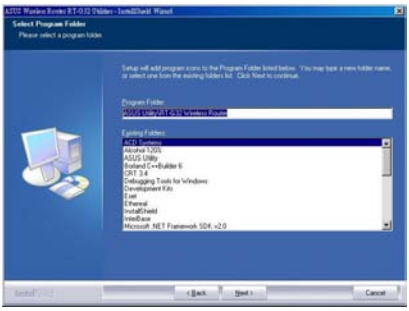
2. Kliknij **Next (Dalej)**.



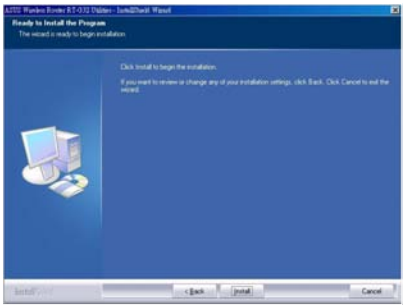
3. Kliknij **Next (Dalej)**, aby zaakceptować domyślny folder przeznaczenia lub kliknij **Browse (Przeglądaj)**, aby określić inną ścieżkę.



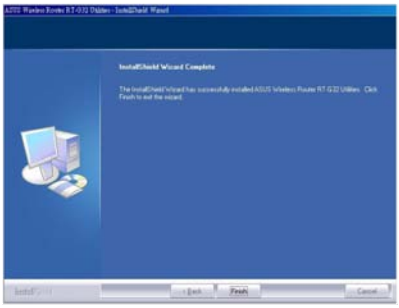
4. Kliknij **Next (Dalej)**.



5. Kliknij **Install (Zainstaluj)**, aby zainstalować program narzędziowy.



6. Kliknij **Finish (Zakończ)**, po zakończeniu ustawień.

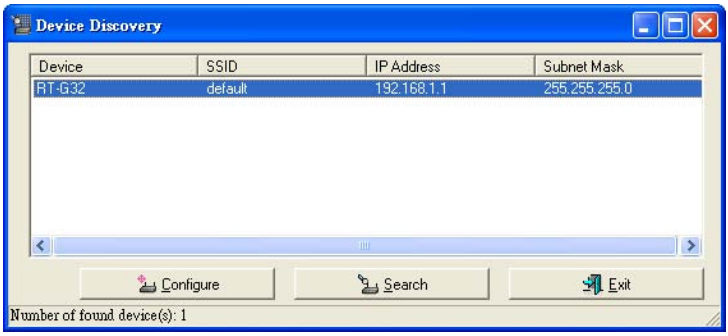


Device Discovery

Device Discovery to narzędzie ASUS WLAN, które wykrywa wersję routera bez[przewodowego ASUS i umożliwia konfigurację urządzenia.

Uruchamianie narzędzia Device Discovery:

- Na pulpicie komputera, kliknij **Start > All Programs (Wszystkie programy) > ASUS Utility > RT-G32 Wireless Router (Router bezprzewodowy RT-G32) > Device Discovery**.



Firmware Restoration

Firmware Restoration to narzędzie wyszukujące bezprzewodowy router ASUS, który nie wykonał procesu aktualizacji firmware, a następnie przywraca i ponownie ładuje określony firmware. Proces trwa około trzy, cztery minuty.

NIE należy używać tego programu narzędziowego w nienormalnych sytuacjach, takich jak uszkodzenie firmware, nieudana aktualizacja lub awaria systemu.

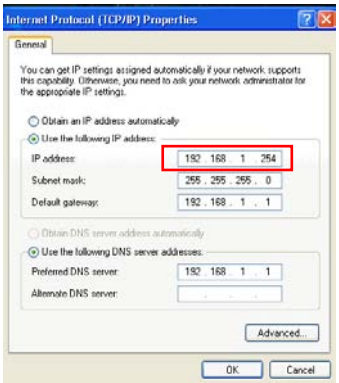
1. Pobierz najnowszą wersję firmware i program narzędziowy z naszej strony sieci web, pod adresem (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Rozpakuj plik z programem narzędziowym, a następnie uruchom **Setup.exe**. Kliknij **Next (Dalej)**, aby zakończyć instalację.

Ustaw adres IP ręcznie

Kliknij **Start > Control Panel (Panel sterowania) > Network Connection (Połączenia sieciowe)**. Kliknij prawym przyciskiem **Local Area Connection (Połączenie z siecią lokalną)**, a następnie wybierz **Properties (Właściwości)**.

Ustaw adres IP ręcznie (192.168.1.254).

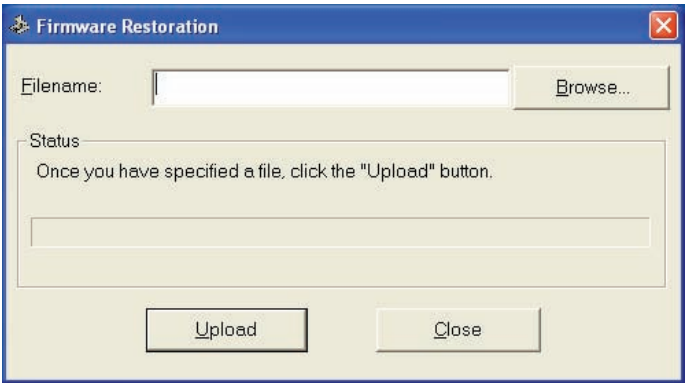
- Zalecamy użycie połączenia przewodowego i ustaw adres IP ręcznie, aby uzyskać idealne środowisko dla transmisji.
- Upewnij się, że wyłączony jest w komputerze PC firewall.



3. Wyłącz zasilanie routera bezprzewodowego, naciśnij i przytrzymaj przycisk reset, a następnie włącz ponownie zasilanie urządzenia. Po zaświeceniu diody LED WLAN, urządzenie bezprzewodowe przejdzie do trybu ratunkowego.

NIE należy wyłączać lub resetować urządzenia, w czasie aktualizacji firmware! Może to spowodować nieudane uruchomienie systemu!

4. Na pulpicie Windows®, kliknij **Start > All programs (Wszystkie programy) > ASUS Utility (Program narzędziowy) > RT-G32 Wireless Router (Router bezprzewodowy RT-G32) > Firmware Restoration (Odtworzenie firmware).**
5. Kliknij **Browse (Przeglądaj)**, aby wybrać plik firmware, a następnie kliknij **Upload (Prześlij)**.



6. Po pomyślnym przesłaniu firmware, nastąpi automatyczne ponowne uruchomienie urządzenia.

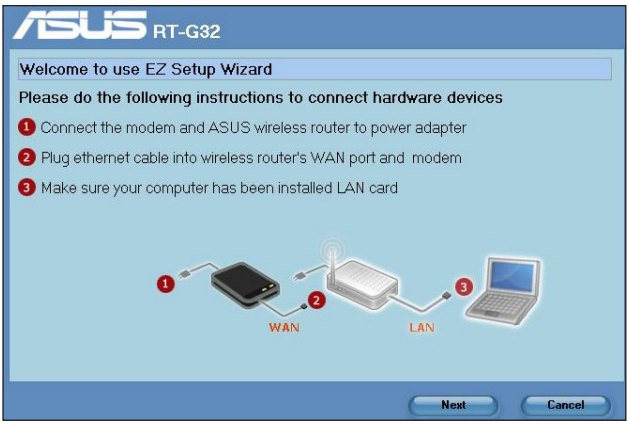
EZSetup

EZSetup to program narzędziowy, który umożliwia łatwe wykonanie ustawień sieci bezprzewodowej

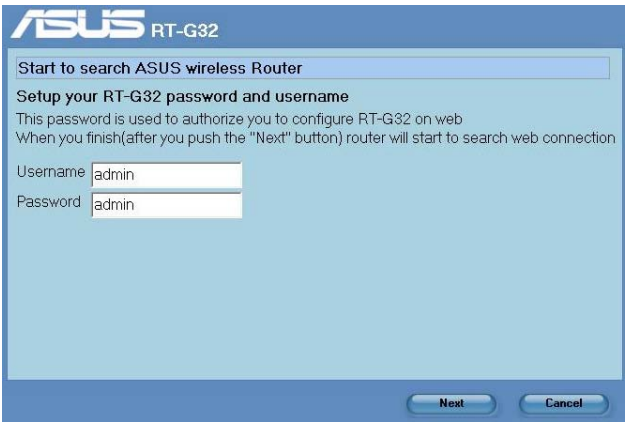
Przed instalacją EZSetup, upewnij się, że RT-G32 jest podłączony do modemu lub komputera PC kablem RJ45.

Używanie EZSetup

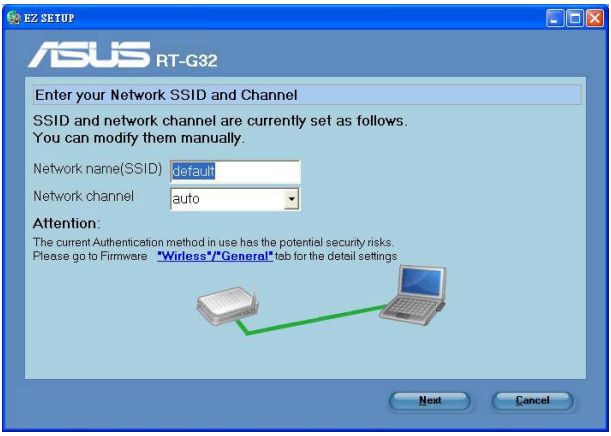
1. Wykonaj instrukcje w celu podłączenia urządzenia. Po zakończeniu, kliknij **Next (Dalej)**.



2. Wprowadź nazwę użytkownika i hasło, aby skonfigurować router bezprzewodowy w sieci web. Po zakończeniu, kliknij **Next (Dalej)**.

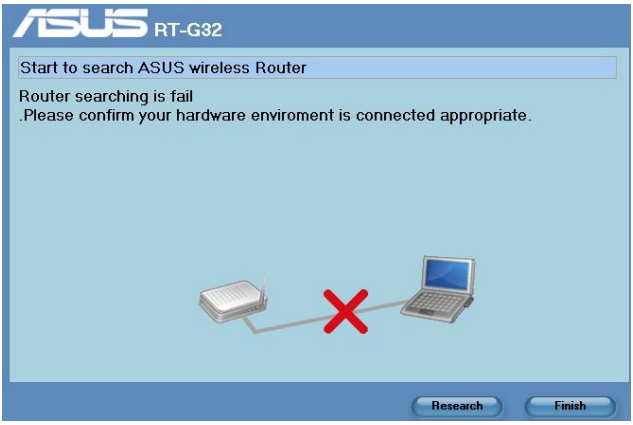


3. Po wykonaniu ustawień SSID sieci i połączeniu kanału, kliknij **Next (Dalej)**, aby kontynuować.



(Podłączanie)

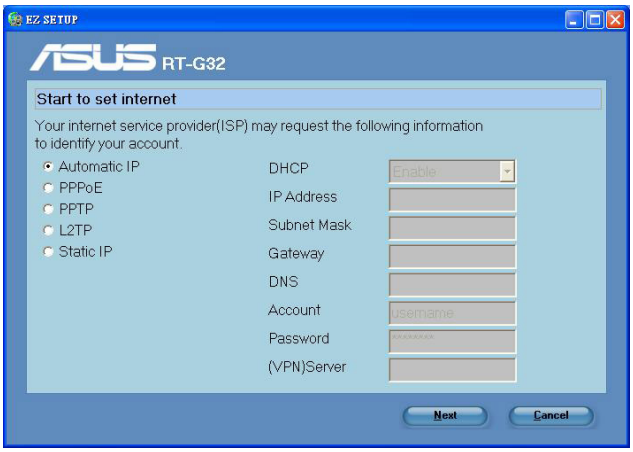
Jeśli połączenie nie powiedzie się należy sprawdzić, czy jest odpowiednio podłączone środowisko sprzętowe i kliknij **Re-search (Wyszukaj ponownie)**, aby wyszukać ponownie.



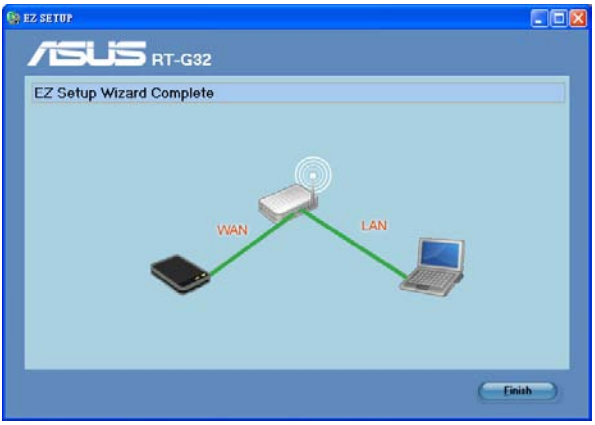
(Połączenie nie powiodło się)

4. Kliknij **Next (Dalej)**, aby skonfigurować podstawowe ustawienia połączenia ISP. Kliknij **Finish (Zakończ)**, aby zakończyć ustawienia sieci wewnętrznych.

5. Wybierz typ połączenia z następujących typów usług ISP: **Automatic IP (Automatyczny IP), PPPoE, PPTP, L2TP** i **Static IP (Statyczny IP)**. Wprowadź niezbędne informacje dla typu połączenia ISP. Po zakończeniu, kliknij **Next (Dalej)**.



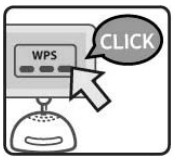
6. Po wykonaniu, kliknij **Finish (Zakończ)**.



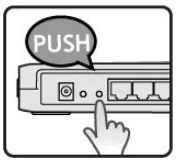
Szybkie ustawienia przycisku WPS

Po połączeniu adaptera bezprzewodowego komputera PC (takiego jak adapter ASUS USB-N11 i PCI-G31) z funkcją WPS należy wykonać instrukcje poniżej w celu włączenia szybkich ustawień WPS.

1. Aby korzystać z WPS, upewnij się, że włączony jest router bezprzewodowy RT-G32 i programowa funkcja połączenia bezprzewodowego WPS drugiego komputera.



2. Naciśnij przycisk WPS na panelu tylnym routera bezprzewodowego RT-G32.



3. Po ustanowieniu połączenia WPS zaświeci się i zacznie wolno migać dioda LED WLAN RT-G32.

6 Rozwiązywanie problemów

Rozwiązywanie problemów

Ta instrukcja rozwiązywania problemów udostępnia rozwiązania niektórych powszechnych problemów, które mogą wystąpić podczas instalacji lub używania routera bezprzewodowego ASUS. Problemy te wymagają wykonania prostych czynności rozwiązywania problemów, które można wykonać samemu. Jeśli pojawią się problemy nie wymienione w tym rozdziale należy skontaktować się z pomocą techniczną ASUS.

Problem	Działanie
Nie można uzyskać dostępu do przeglądarki sieci web w celu konfiguracji routera.	1. Uruchom przeglądarkę sieci web, a następnie kliknij **Tools (Narzędzia) > Internet Options... (Opcje internetowe)** 2. W opcji **Temporary Internet files (Tymczasowe pliki internetowe),** kliknij **Delete Cookies... (Usuń pliki cookie)** i **Delete Files... (Usuń pliki…)**
Klient nie może ustanowić połączenia bezprzewodowego z routerem.	**Poza zakresem:** • Przesuń router bliżej klienta bezprzewodowego. • Spróbuj zmienić ustawienia kanałów. **Uwierzytelnianie:** • Użyj połączenia przewodowego do połączenia z routerem. • Sprawdź ustawienia zabezpieczenia połączenia bezprzewodowego. • Naciśnij przycisk Restore (Przywróć) na panelu tylnym na dłużej niż pięć sekund. **Nie można znaleźć routera:** • Naciśnij przycisk Restore (Przywróć) na panelu tylnym na dłużej niż pięć sekund. • Sprawdź ustawienie adaptera bezprzewodowego, takie jak SSID i ustawienia szyfrowania.

Problem	Działanie
Nie można uzyskać dostępu do Internetu poprzez adapter bezprzewodowej sieci LAN	Przesuń router bliżej klienta sieci bezprzewodowej. • Sprawdź, czy adapter sieci bez[przewodowej jest podłączony do prawidłowego routera bezprzewodowego. • Sprawdź, czy używany kanał transmisji bezprzewodowej jest zgodny z kanałami dostępnymi w danym kraju/regionie. • Sprawdź ustawienia szyfrowania. • Sprawdź, czy prawidłowo działa połączenie ADSL lub połączenie kablowe. • Spróbuj ponownie używając innego kabla Ethernet.
Niedostępny Internet	• Sprawdź wskaźniki stanu na modemie ADSL in a routerze bezprzewodowym. • Sprawdź, czy dioda LED WAN na routerze bezprzewodowym jest WŁĄCZONA. Jeśli dioda LED nie jest WŁĄCZONA, zmień kabel i spróbuj ponownie.
Gdy kontrolka “Link (Łącze)” modemu ADSL jest WŁĄCZONA (nie miga), oznacza to, że dostęp do Internetu jest możliwy.	• Uruchom ponownie komputer. • Sprawdź informacje w Instrukcji szybkiego uruchomienia routera bezprzewodowego i przekonfiguruj ustawienia. • Sprawdź, czy dioda LED WAN routera bezprzewodowego jest WŁĄCZONA. • Sprawdź ustawienia szyfrowania połączenia bezprzewodowego. • Sprawdź, czy komputer może uzyskać adres IP (przez sieć przewodową i bezprzewodową). • Sprawdź, czy przeglądarka sieci web jest skonfigurowana na używanie lokalnej sieci LAN oraz, czy nie jest skonfigurowana na używanie serwera proxy.
Jeśli kontrolka ADSL “LINK (ŁĄCZE)” świeci stałym światłem lub jest wyłączona, dostęp do Internetu nie jest możliwy - router nie może nawiązać połączenia z siecią ADSL.	• Upewnij się, że wszystkie kable są prawidłowo podłączone. • Odłącz przewód zasilający od modemu ADSL lub modemu kablowego, zaczekaj kilka minut, a następnie podłącz ponownie. • Jeśli kontrolka ADSL świeci stałym światłem lub pozostaje WYŁĄCZONA, skontaktuj się z dostawcą usługi ADSL.

Problem	Działanie
Zapomniane zostały nazwa sieciowa lub klucze szyfrowania	• Spróbuj ustawić połączenie przewodowe i ponownie skonfigurować szyfrowanie połączenia bezprzewodowego. • Naciśnij przycisk Restore (Przywróć) na panelu tylnym routera bezprzewodowego na dłużej niż pięć sekund.
Jak przywrócić domyślne ustawienia systemu	• Naciśnij przycisk Restore (Przywróć) na panelu tylnym routera bezprzewodowego na dłużej niż pięć sekund. • Sprawdź część **Restoring to the default settings (Przywracanie ustawień domyślnych)** w Rozdziale 4 tego podręcznika użytkownika. Następujące ustawienia są fabrycznymi ustawieniami domyślnymi: **Nazwa użytkownika:** admin **Hasło:** admin **Włączenie DHCP:** Tak (jeśli jest podłączony kabel WAN) **IP address:** 192.168.1.1 **Nazwa domeny:** (Puste) **Maska podsieci:** 255. 255. 255.0 **Serwer DNS 1:** 192.168.1.1 **Serwer DNS 2:** (Puste) **SSID:** domyślne

Uwagi

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Version 2, June 1991

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Informacje kontaktowe producenta

ASUSTeK COMPUTER INC. (Asia Pacific)

Adres firmy	15 Li-Te Road, Peitou, Taipei, Taiwan 11259
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Ogólna (faks)	+886228907698
Pomoc online	support.asus.com*

ASUS COMPUTER INTERNATIONAL (Ameryka)

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Ogólna (faks)	+15029338713
Adres sieci web	usa.asus.com
Pomoc online	support.asus.com*

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Kontakt online	www.asus.com.de/sales

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Pomoc online	www.asus.com.de/support
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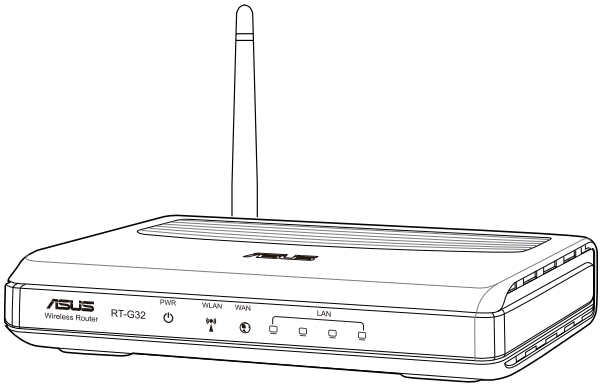
RT-G32 беспроводный роутер



Руководство пользователя

R4264

Первая редакция
Ноябрь 2008

Содержание

Содержание

О руководстве

В этом руководстве находится информация, необходимая для установки и конфигурации роутера.

Как организовано руководство

Руководство состоит из следующих частей:

- **Глава 1: Информация о продукте**
  В этой главе приведена информация о комплекте поставки, системных требованиях, аппаратных функциях и индикаторах роутера.

- **Глава 2: Установка аппаратуры**
  В этой главе предоставлена информация по установке и конфигурации роутера.

- **Глава 3: Подключение сетевых клиентов**
  В этой главе предоставлена информация по подключению клиентов к роутеру.

- **Глава 4: Конфигурация**
  В этой глава предоставлены инструкции по конфигурации роутера, используя веб-интерфейс(web GUI).

- **Глава 5: Установка утилит**
  В этой главе предоставлена информация об утилитах с компакт-диска.

- **Глава 6: Устранение неисправностей**
  В этой главе предоставлена информация по решению часто встречающихся неисправностей при использовании роутера.

- **Приложение**
  Здесь находятся уведомления и информация о безопасности.

Значки, используемые в руководстве

ВНИМАНИЕ: Информация о предотвращении повреждений оборудования, потери данных и бытовых травм.

ОСТОРОЖНО: Информация о действиях, которые могут привести к повреждению оборудования, потере данных или бытовым травмам.

СОВЕТ: Полезные советы и информация для опытных пользователей.

Примечание: Советы и информация по выполнению конкретных задач.

1 Информация о продукте

Комплект поставки

Проверьте наличие следующих пунктов в комплекте.

- ☑ RT-G32 беспроводный роутер
- ☑ Блок питания
- ☑ Компакт-диск (руководство, утилиты)
- ☑ RJ45 кабель
- ☑ Краткое руководство

Примечание: Если что-то отсутствует или повреждено, обратитесь к продавцу.

Системные требования

Перед установкой роутера проверьте, что ваша система соответствует следующим требованиям:

- хотя бы один Ethernet RJ-45 порт(10Base-T/100Base-TX)
- хотя бы одно IEEE 802.11b/g/n устройство
- установленный TCP/IP протокол и браузер
- установленный браузер Internet Explorer версии 6.0 или выше.

Подготовка

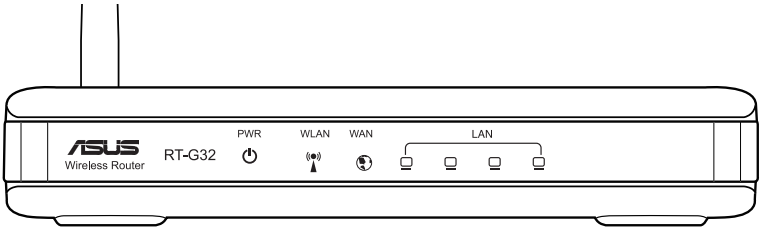
Перед установкой роутера воспользуйтесь следующими рекомендациями:

- Длина Ethernet кабеля для подключения сетевых устройство (хаб, ADSL/кабельный модем, роутер) не должна превышать 100 метров.
- Поместите устройство на ровную поверхность, которая может выдержать его вес.
- Поместите устройство подальше от металлических преград и прямых солнечных лучей.
- Во избежание помех поместите устройство подальше от трансформаторов, двигателей, флюоресцентных ламп, микроволновых лучей, холодильников и другого промышленного оборудования.

- Для идеального покрытия поместите устройство в центре помещения.
- В соответствии с требованиями Федеральной комиссии по средствам связи, устанавливайте устройство на расстоянии не менее 20см от человека.

Знакомство с роутером

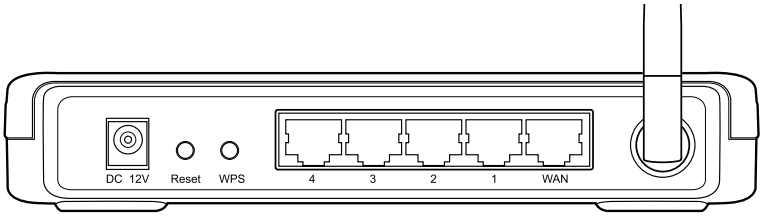
Передняя панель



Индикаторы

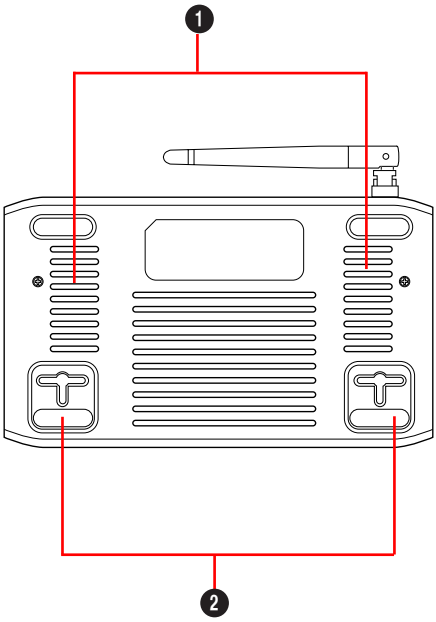
Индикатор	Состояние	Описание
⏻ (питание)	Не горит	Не питания
	Горит	Система готова
WLAN (беспроводная сеть)	Не горит	Нет питания
	Горит	Беспроводная система готова
	Мигает	Передача данных (беспроводная сеть)
WAN (глобальная сеть)	Не горит	Нет питания или физического соединения
	Горит	Имеется физическое соединение с Ethernet сетью
	Мигает	Передача данных (через кабель)
LAN 1-4 (локальная сеть)	Не горит	Нет питания или физического соединения
	Горит	Имеется физическое соединение с Ethernet сетью
	Мигает	Передача данных (через кабель)

Задняя панель



Пункт	Описание
ANTENNA	Отрегулируйте положение антенны для лучшего приема сигнала
WPS	Нажмите эту кнопку для запуска установки защищенной беспроводной сети (WPS).
Reset	Нажмите и удерживайте эту кнопку 3 секунды для сбоса ротера к настройкам по умолчанию.
LAN1-LAN4	Подключение сетевых устройств.
WAN	Подключение модема.
DC 12V	Подключение блока питания.

Нижняя панель



Пункт	Описание
1	**Отверстия** Отверстия предназначены для вентиляции
2	**Монтажные петли** Предназначены для крепления устройства на стене.

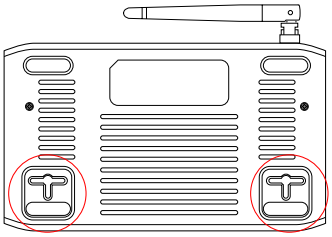
Примечание: Подробную информацию по креплению устройства на стену смотрите в разделе **Размещение**.

Размещение

Роутер предназначен для установки на плоской поверхности. Устройство также можно прикрепить на стену.

Для крепления роутера выполните следующее:

1. Найдите на нижней стороне две монтажных скобы.
2. Отметьте на плоской поверхности место для двух отверстий.
3. Закрутите два винта на три четверти.
4. Повесьте роутер на винты.



Примечание: Поправьте винты, если вы не можете повесить роутер или он висит слишком свободно.

2 Установка аппаратуры

Установка беспроводного роутера

Роутер может работать в различных режимах. Возможно потребуется изменить настройки беспроводного роутера для соответствия вашим условиям. Утилита EZSetup позволяет вам установить защищенную беспроводную сеть.

Примечания:

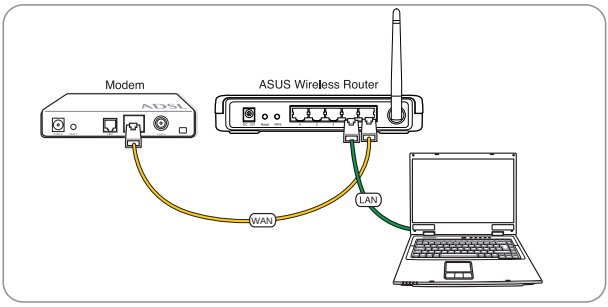
- Подробную информацию о EZSetup смотрите в разделе **EZSetup** главы 5.

Установка проводного соединения

В комплекте с роутером поставляется Ethernet кабель. Беспроводный роутер имеет функцию определения перекрестного кабеля, следовательно можно использовать любой кабель.

Для установки проводного соединения выполните следующее:

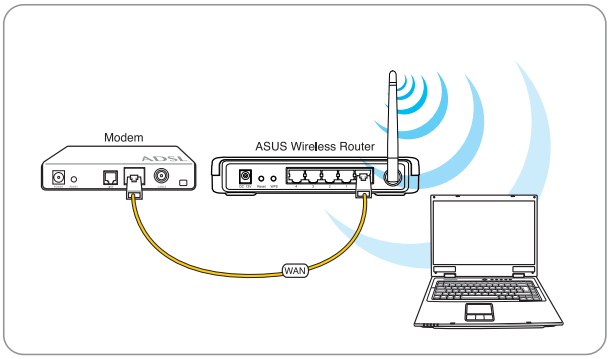
1. Выключите роутер и модем.
2. С помощью Ethernet кабеля подключите модем к WAN порту роутера.
3. С помощью другого Ethernet кабеля подключите ваш ПК к LAN порту роутера.



Установка беспроводного соединения

Для установки беспроводного соединения выполните следующее:

1. Выключите роутер и модем.
2. С помощью Ethernet кабеля подключите модем к WAN порту роутера.
3. Если в компьютере нет IEEE 802.11b/g/n WLAN адаптера, установите его. Процедуру установки смотрите в руководстве адаптера. По умолчанию SSID роутера ""default""(в нижнем регистре), шифрование отключено и используется открытая система аутентификации.



Конфигурация беспроводного роутера

Роутер имеет графический интерфейс пользователя (web GUI), который позволяет вам сконфигурировать беспроводный роутер через браузер вашего компьютера.

Использование графического интерфейса

Если ПК подключен к роутеру через кабель, запустите браузер, страница входа появится автоматически.

Если ПК подключен к роутеру через адаптер беспроводной сети, вам сначала нужно выбрать сеть.

Для выбора сети выполните следующее:

1. Нажмите **Start** > **Control Panel** > **Network Connections** > **Wireless Network Connection**.
2. Выберите сеть в окне **Choose a wireless network**. Подождите до подключения.

Примечание: По умолчанию SSID роутера “default”. Подключитесь к “default” SSID..

3. После установки соединения запустите браузер.

Примечания:

- Для подключения к роутеру вы можете ввести его IP адрес по умолчанию (**192.168.1.1**).
- Подробную информацию по настройке роутера через веб-интерфейс смотрите в **главе 4: Конфигурация**.

3 Подключение сетевых клиентов

Доступ к беспроводному роутеру

Установка IP адреса для проводного и беспроводного клиентов

Для доступа к роутеру вам нужно настроить параметры TCP/IP для проводного и беспроводного клиентов. Убедитесь, что IP адрес клиента находится в одной подсети с роутером.

Роутер имеет DHCP сервер, который автоматически назначает IP адреса клиентам.

Возможно в некоторых случаях вы захотите установить статический IP адрес для некоторых клиентов.

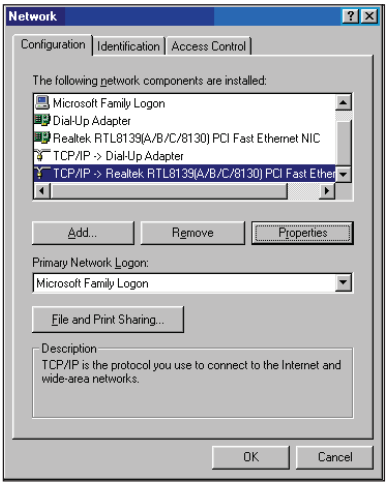
Для установки статического IP адреса следуйте инструкциям ниже.

Примечание: Если вы хотите назначить IP адрес вручную, рекомендуется использовать следующие параметры:

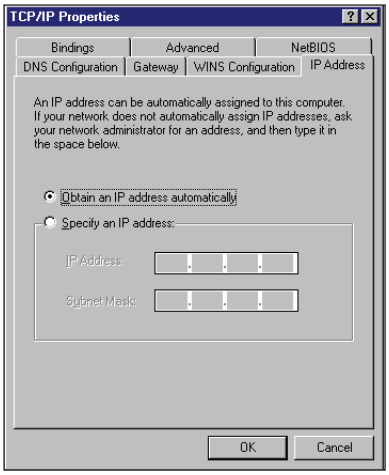
- **IP адрес**: 192.168.1.xxx (xxx может быть любым числом от 2 до 254. Проверьте, что этот IP адрес не используется другим устройством)
- **Маска подсети**: 255.255.255.0 (как у роутера)
- **Шлюз**: 192.168.1.1 (IP адрес роутера)
- **DNS**: 192.168.1.1 (Роутер) или DNS сервер в вашей сети

Windows® 9x/ME

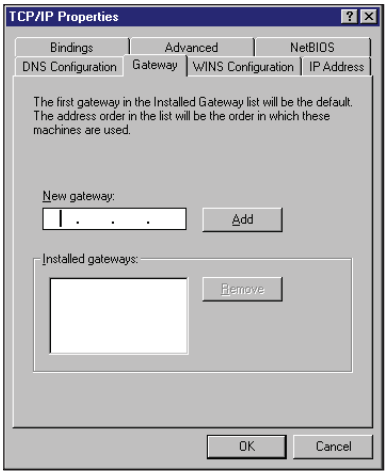
1. Нажмите **Start** > **Control Panel** > **Network** для отображения окна Network.
2. Выберите **TCP/IP** затем нажмите **Properties**.



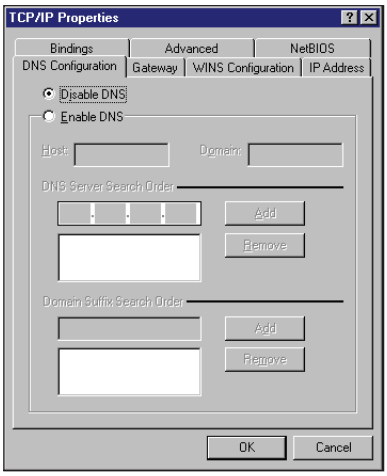
3. Если вы хотите автоматическое назначение IP адреса, нажмите **Obtain an IP адрес automatically** затем нажмите OK. В противном случае, нажмите **Specify an IP адрес**, затем введите **IP адрес** и **Маску подсети**.



4. Выберите вкладку **Шлюз**, ввеите адрес шлюза затем нажмите **Add**.

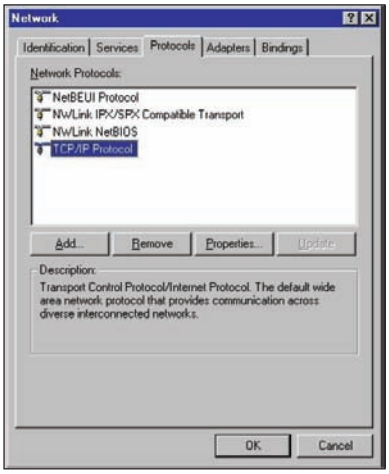


5. Выберите вкладку **DNS configuration** и нажмите **Enable DNS**. Введите **узел**, **домен** и **порядок поика DNS сервера**, затем нажмите **Add**.
6. Нажмите **OK**.

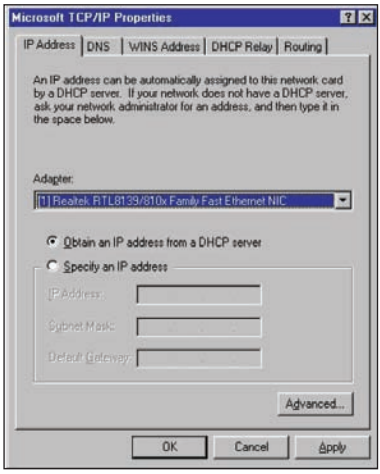


Windows® NT4.0

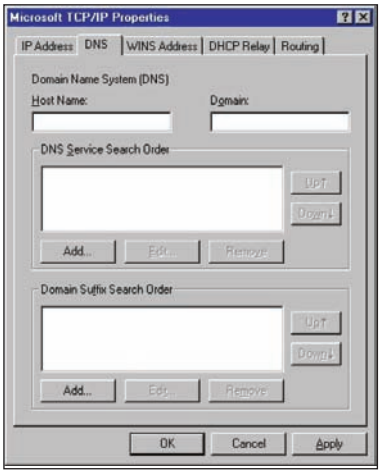
1. Перейдите **Control Panel** > **Network** для отображения окна Network, затем выберите вкладку **Protocols**.
2. Выберите **TCP/IP Protocol**, затем нажмите **Properties**.



3. На вкладке IP Адрес окна Microsoft TCP/IP Properties, вы можете:
   - Выбрать тип сетевого адаптера, установленного в вашей системе.
   - Назначить автоматическое назначение IP адреса.
   - Вручную установить IP адрес, маску подсети и шлюз по умолчанию.

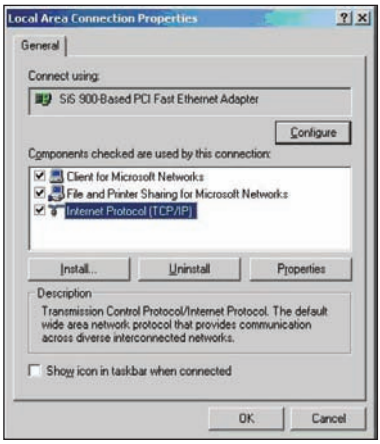


4. Выберите вкладку **DNS**, затем нажмите **Add** под **DNS Service Search Order** и введите DNS.

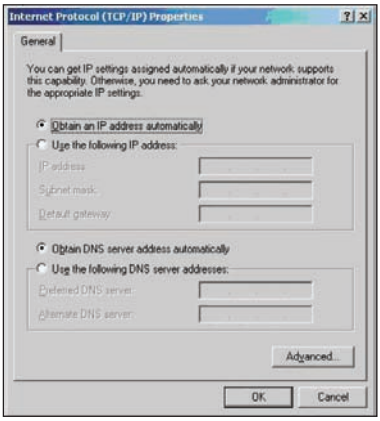


Windows® 2000

1. Нажмите **Start** > **Control Panel** > **Network and Dial-up Connection**. Щелкните правой кнопкой **Local Area Connection** затем нажмите **Properties**.

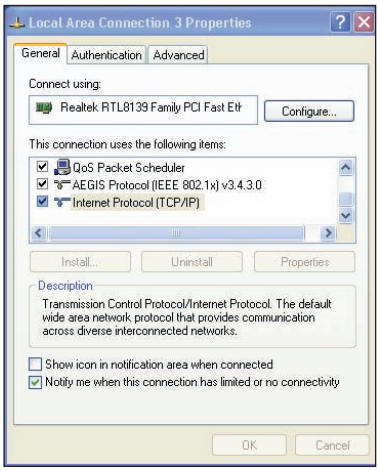


2. Выберите **Internet Protocol (TCP/IP)**, затем нажмите **Properties**.
3. Выберите **Obtain an IP адрес automatically** для автоматического получения IP адреса. В противном случае выберите **Use the following IP адрес**: введите **IP адрес**, **маску подсети** и **шлюз по умолчанию**.
4. Выберите **Obtain an IP адрес automatically** для автоматического получения IP адреса DNS сервера. В противном случае выберите **Use the following DNS сервер адрес**: и введите **предпочитаемый** и **альтернативный DNS серверы**.
5. Нажмите **OK** когда закончите.

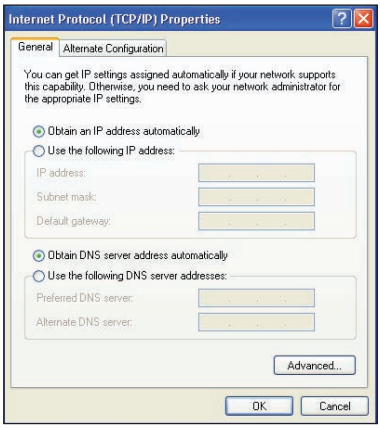


Windows® XP

1. Нажмите **Start** > **Control Panel** > **Network Connection**. Щелкните правой кнопкой **Local Area Connection** затем выберите **Properties**.



2. Выберите **Internet Protocol (TCP/IP)**, затем нажмите **Properties**.
3. Выберите **Obtain an IP адрес automatically** для автоматического получения IP адреса. В противном случае выберите **Use the following IP адрес**: введите **IP адрес**, **маску подсети** и **шлюз по умолчанию**.
4. Выберите **Obtain DNS сервер адрес automatically** для автоматического получения IP адреса DNS сервера. В противном случае выберите **Use the following DNS сервер адресеs**: и **альтернативный DNS серверы**.
5. Нажмите **OK** когда закончите.



4 Конфигурация

Конфигурация через веб-интерфейс

Графический интерфейс пользователя (web GUI) позволяет вам конфигурировать эти функции настройки.

Для конфигурации через web GUI выполните следующее:

1. После установки проводного или беспроводного соединения запустите браузер. Автоматически появится окно входа(при автоматическом назначении IP адреса).

Примечание: Также для входа в веб-интерфейс вы можете вручную ввести IP адрес роутера по умолчанию (192.168.1.1).

2. В окне входа введите имя пользователя, по умолчанию имя пользователя (**admin**) и пароль (**admin**).
3. На главной странице нажмите меню навигации или ссылку для конфигурации различных возможностей роутера.

Настройка

Здесь вы можете сконфигурировать дополнительные параметры для роутера и вашей сети. Вы можете сконфигурировать параметры для **Wireless**, **LAN**, **WAN**, **Firewall**, **Administration** и **System Log**.

Для входа на страницу конфигурации:

- Нажмите **Setting** в меню навигации на левой стороне экрана.

Обновление прошивки

Примечание: Загрузите последнюю прошивку с сайта ASUS **http://www.asus.com**

Для обновления прошивки:

1. Нажмите **Setting** в меню навигации на левой стороне экрана.
2. В меню **Administration** нажмите **Firmware Upgrade**.
3. В поле **New Firmware File** нажмите **Browse** для нахождения прошивки.
4. Нажмите **Upload**. Процесс обновления займет около трех минут.

Примечание: При ошибке во время обновления беспроводный роутер переходит в аварийный режим и индикатор питания на передней панели медленно мигает. Для восстановления системы используйте утилиту Восстановление прошивки. Дополнительную информацию об этой утилите смотрите в разделе **Восстановление прошивки** в главе 5 этого руководства.

Восстановление/сохранение/сброс параметров

Для восстановления/сохранения/сброса параметров выполните следующее:

1. Нажмите **Setting** в меню навигации на левой стороне экрана.
2. В меню **Administration** нажмите **Restore/Save/Upload Setting**.

3. Выберите задачу:
   - Для восстановления настроек по умолчанию нажмите **Restore**, затем **OK** для подтверждения.
   - Для сохранения текущих настроек нажмите **Save**, затем **Save** в окне с указанием пути.
   - Для применения сохраненных настроек нажмите **Browse** для нахождения файла настроек, затем нажмите **Upload**.

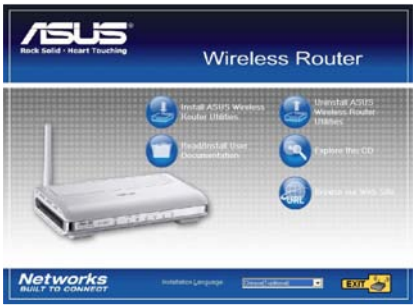
Установка утилит 5

Установка утилит

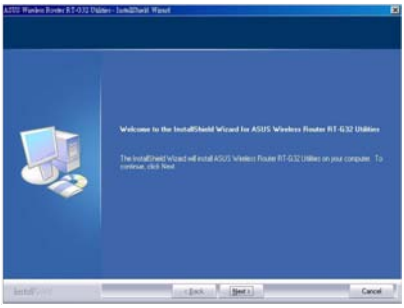
На компакт-диске находятся утилиты, предназначенные для конфигурации роутера. Для установки утилит ASUS WLAN в Microsoft® Windows, вставьте компакт-диск в оптический привод. Если автозапуск отключен, запустите **setup.exe** в корневой директории компакт-диска.

Для установки утилиты:

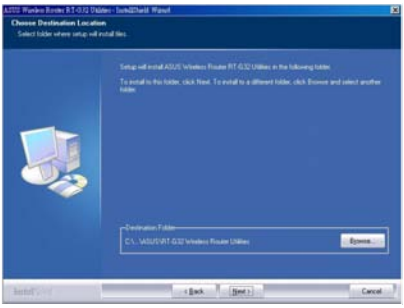
1. Нажмите **Install...Utilities**.



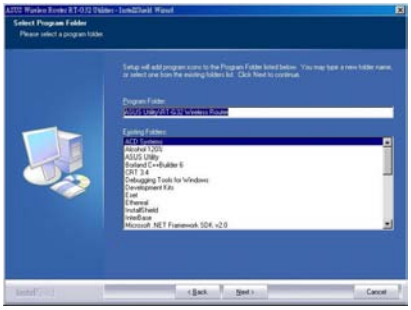
2. Нажмите **Next.**



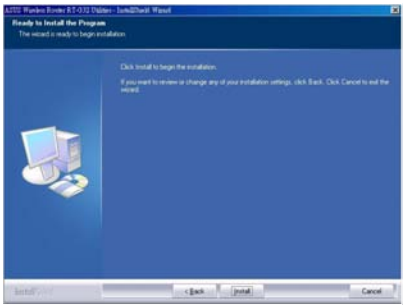
3. Нажмите **Next** для принятия папки по умолчанию или нажмите **Browse** для указания другого пути.



4. Нажмите **Next** для принятия папки программы по умолчанию или введите другое имя.



5. Нажмите **Finish** когда закончите.

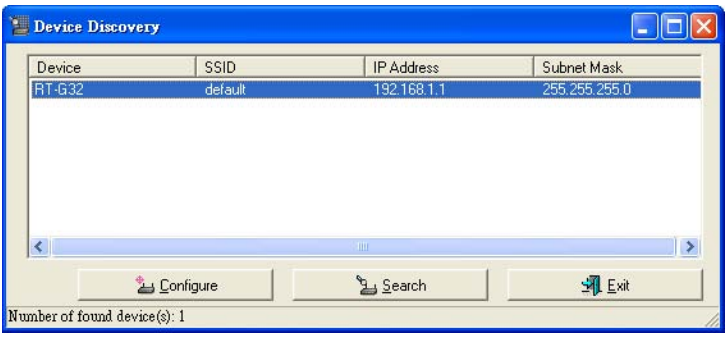


Обнаружение устройства

Device Discovery - ASUS WLAN утилита, которая обнаруживает роутер и позволяет конфигурировать его.

Для запуска утилиты Device Discovery:

- Нажмите **Start > All Programs > ASUS Utility > RT-G32 Wireless Router > Device Discovery**.



Восстановление прошивки

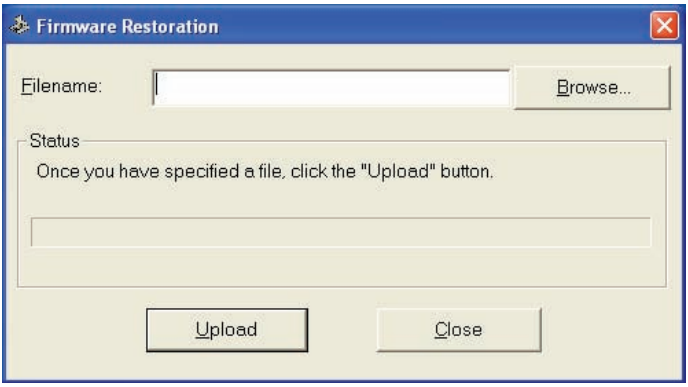
Firmware Restoration - утилита которая ищет роутер и восстанавливает или обновляет его прошивку. Процесс займет около трех минут.

Не используйте эту утилиту пока не столкнетесь с ненормальной ситуацией, например повреждение прошивки, ошибка при обновлении, выход системы из строя.

1. Загрузите прошивку со следующего сайта (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Распакуйте файл, затем запустите **Setup.exe**. Нажмите **Next** для завершения установки.
3. Выключите роутер, нажмите и удерживайте кнопку сброса, затем включите устройство снова. Устройство войдет в режим восстановления.

Не выключайте и не выполняйте сброс устройства во время обновления прошивки! Это может вызвать ошибку при загрузке устройства!

4. В Windows® нажмите **Start** > **All programs** > **ASUS Utility** > **RT-G32 Wireless Router** > **Firmware Restoration**.
5. Нажмите **Browse** для выбора файла с прошивкой и нажмите **Upload**.



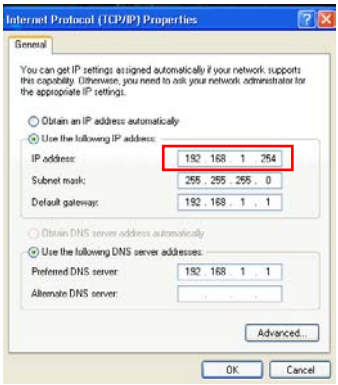
6. После загрузки прошивки устройство автоматически перезагрузится.

Установка IP адреса вручную

Нажмите **Start** > **Control Panel** > **Network Connection**. Правой кнопкой щелкните **Local Area Connection** и выберите **Properties**.

Установите IP адрес вручную (192.168.1.254).

- Рекомендуется использовать проводное соединение и установить IP адрес вручную.
- Проверьте, что брандмауэр отключен.



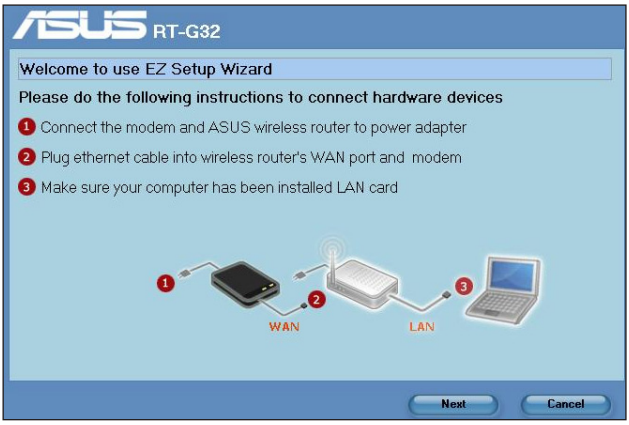
EZSetup

EZSetup - утилита, которая позволяет быстро настроить защищенную беспроводную сеть.

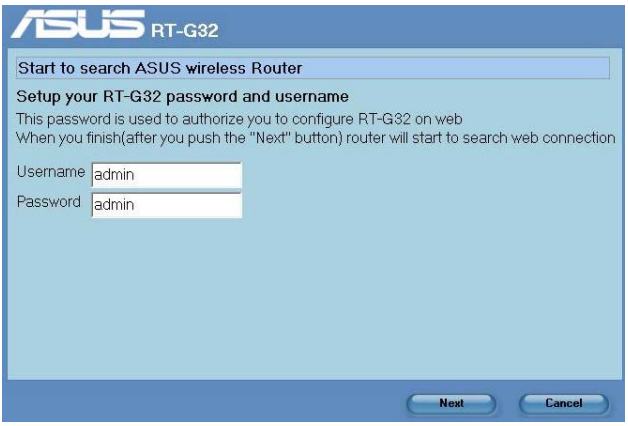
Перед установкой EZSetup проверьте, что RT-G32 подключен к мдему или ПК.

Для использования EZSetup выполните следующее:

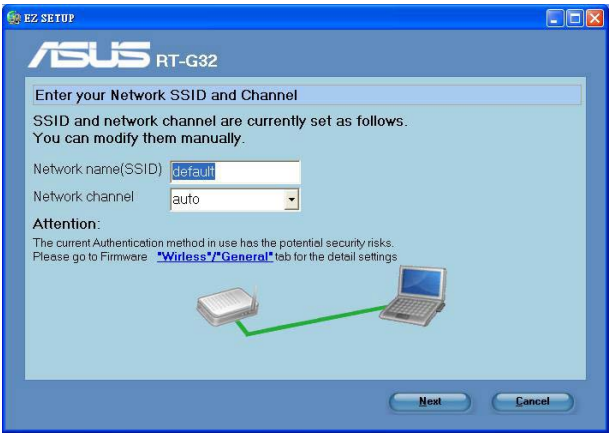
1. Следуйте инструкциям для подключения к устройству. Когда закончите, нажмите **Next**



2. Введите имя пользователя и пароль, затем нажмите **Next**.

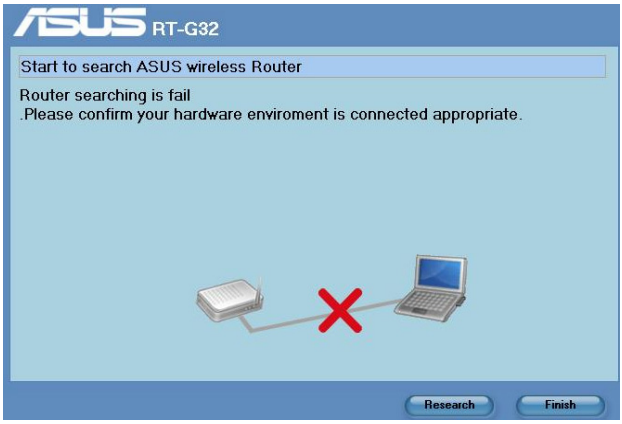


3. После установки сетевого SSID и канала, нажмите **Next**.



(Подключение)

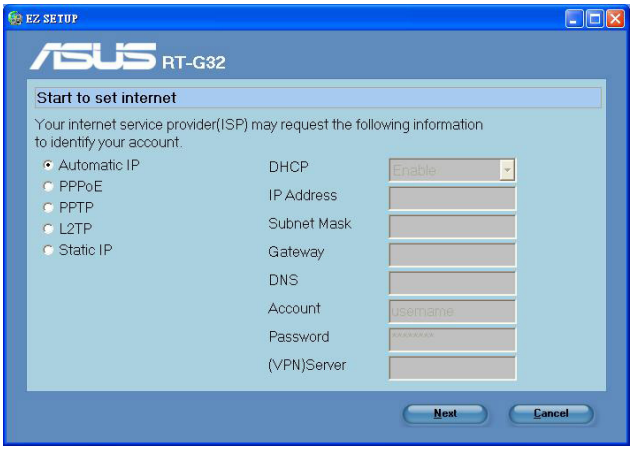
При ошибке подключения, проверьте аппаратуру и нажмите **Re-search**.



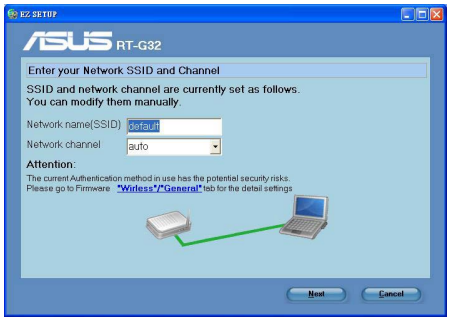
(Ошибка подключения)

4.Нажмите **Next** для конфигурации параметров подключения к провайдеру. Нажмите **Finish** для завершения..

5. Выберите тип подключения к провайдеру: **Automatic IP**, **PPPoE**, **PPTP**, **L2TP**, и **Static IP**. Введите необходимую информацию и нажмите **Next**.



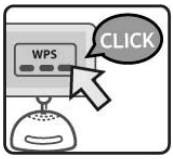
6. Когда закончите, нажмите **Finish**.



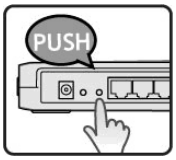
Использование кнопки WPS

Когда вы подключаете адаптер беспроводной сети (например ASUS USB-N11 или PCI-G31) с WPS функцией, следуйте следующим инструкциям.

1. Для использования WPS убедитесь что оба, RT-G32 и другой компьютер поддерживают WPS.



2. Нажмите WPS кнопку на задней панели роутера.



3. Индикатор WLAN загорится и начнет медленно мигать после установки WPS соединения.

6 Устранение неисправностей

Устранение неисправностей

Здесь представлены решения неисправностей, которые могут встретиться при установке или использовании роутера. Эти неисправности вы можете устранить сам. Обратитесь в техническую поддержку ASUS если встретитесь с проблемами не упомянутыми в этой главе.

Проблема	Возможное решение
У меня нет доступа к странице конфигурации роутера.	1. Запустите браузер, затем нажмите **Tools** > **Internet Options...** 2. В **Temporary Internet files**, нажмите **Delete Cookies...** и **Delete Files...**
Клиент не может установить беспроводное соединение с роутером.	**Вне зоны покрытия:** • Поместите роутер ближе к беспроводному клиенту. • Попробуйте изменить канал. **Аутентификация:** • Используйте проводное соединение для подключения к роутеру. • Проверьте настройки безопасности. • Нажмите и удерживайте кнопку Restore на задней панели более пяти секунд. **Невозможно найти роутер:** • Нажмите и удерживайте кнопку Restore на задней панели более пяти секунд. • Проверьте настройки беспроводного адаптера, например SSID и шифрование.

Проблема	Возможное решение
Невозможно подключиться к Интернет через адаптер беспроводной сети	• Поместите роутер ближе к беспроводному клиенту. • Проверьте, что сетевой адаптер подключен к нужному роутеру. • Проверьте, что используемый канал доступен в вашей стране. • Проверьте настройки шифрования. • Проверьте правильность подключения модема. • Попробуйте использовать другой Ethernet кабель.
Интернет недоступен	• Проверьте индикаторы состояния на ADSL модеме и беспроводном роутере. • Проверьте, что индикатор WAN на беспроводном роутере горит. Если не горит, поменяйте кабель и повторите снова.
Когда индикатор ADSL модема “Link” горит (не мигает), это означает, что интернет доступен.	• Перезагрузите компьютер. • Обратитесь к краткому руководству беспроводного роутера и сконфигурируйте настройки. • Проверьте, что индикатор WAN беспроводного роутера горит. • Проверьте настройки шифрования. • Проверьте, что компьютер получает IP адрес (через проводную и беспроводную сеть). • Проверьте, что браузер сконфигурирован для использования локальной сети, а не через прокси-сервер.

Проблема	Возможное решение
Если индикатор ADSL модема “Link” мигает или выключен, это означает, что интернет недоступен.	• Проверьте, что все кабели правильно подключены. • Отключите шнур питания от ADSLили кабельного модема, подождите несколько минут, затем подключите обратно. • Если индикатор ADSL модема продолжает мигать или не горит, обратитесь к вашему провайдеру.
Забыты имя сети и ключи шифрования	• Попробуйте установить проводное соединение и сконфигурировать шифрование снова. • Нажмите и удерживайте кнопку Restore на задней панели более пяти секунд.
Как сбросить систему к настройкам по умолчанию	• Нажмите и удерживайте кнопку Restore на задней панели более пяти секунд. • Обратитесь к разделу **Восстановление прошивки** в главе 5 этого руководства. Параметры системы по умолчанию: **Имя пользователя:** admin **Пароль:** admin **Включен DHCP:** Да (если WAN кабель подключен) **IP адрес:** 192.168.1.1 **Домен:** (пусто) **Маска подсети:** 255.255.255.0 **DNS сервер 1:** 192.168.1.1 **DNS сервер 2:** (пусто) **SSID:** “default”

Приложение

Уведомления

Удостоверение Федеральной комиссии по средствам связи

Данное устройство соответствует части 15 Пправил FCC. Еего использование возможно при следующих двух условиях:

- данное устройство не вызывает вредоносных воздействий.
- данное устройство принимает любое внешнее воздействие, включая воздействия, вызывающие нежелательные результаты.

Данное оборудование было протестировано и сочтено соответствующим ограничениям по цифровым устройствам класса Вв в соответствии с частью 15 Пправил FCC. Ээти ограничения рассчитаны на обеспечение защиты в разумных пределах от вредоносных воздействий при установке в жилом помещении. Дданное оборудование создает, использует и может излучать энергию в радиодиапазоне, которая, при установке или использовании данного оборудования не в соответствии с инструкциями производителя, может создавать помехи в радиосвязи. Ттем не менее, невозможно гарантировать отсутствие помех в каждом конкретном случае. Вв случае, если данное оборудование действительно вызывает помехи в радио или телевизионном приеме, что можно проверить, включив и выключив данное оборудование, пользователю рекомендуется попытаться удалить помехи следующими средствами:

- Переориентировать или переместить принимающую антенну.
- Увеличить расстояние между данным прибором и приемником.
- Подключить данное оборудование к розетке другой электроцепи, нежели та, к которой подключен приемник.
- Проконсультироваться с продавцом или квалифицированным радио/ ТВ техником.

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Заявление соответствия европейской директиве (R&TTE 1999/5/EC)

Существенные требования в соответствии с [часть 3]

Защита здоровья и безопасности в соответствии с [часть 3.1a]

Испытание электробезопасности в соответствии с [EN 60950]

Защита от электомагнитных излучений в соответствии с [часть3.1b]

Испытания на электромагнитную совместимость в соответствии с EN 301 489-1 b EN 301 489-17.

Эффективное использование радиоспектра в соответствии с пунктом 3.2

Испытание радиоблоков в соответствии с [EN 300 328-2]

CE Предупреждение

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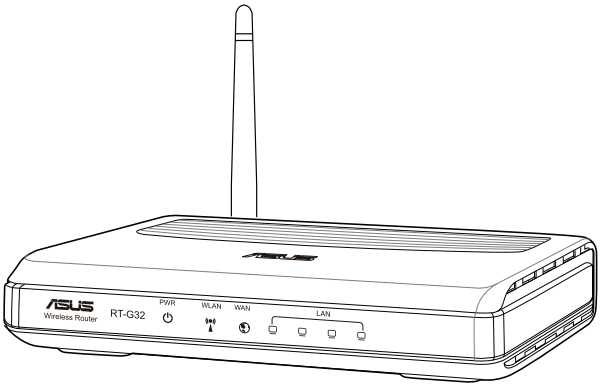
RT-G32
Router fără fir



Manual de utilizare

RO4264
Ediţia revizuită V1
Decembrie 2008

Sumar

Sumar

Despre acest ghid

Acest ghid al utilizatorului conţine informaţiile de care aveţi nevoie pentru a instala şi configura routerul fără cablu ASUS.

Cum este conceput acest ghid

Acest ghid conţine următoarele părţi:

- **Capitolul 1: Cum să vă cunoaşteţi routerul**
  Acest capitol vă furnizează informaţii despre conţinutul pachetului, cerinţele de sistem, caracteristicile hardware şi LED-le indicator ale routerului fără cablu ASUS.

- **Capitolul 2: Instalarea hardware**
  Acest capitol vă furnizează instrucţiuni de instalare, accesare şi configurare a routerului fără cablu ASUS.

- **Capitolul 3: Configurarea reţelei clienţi**
  Acest capitol vă furnizează instrucţiuni de instalare clienţi în reţeaua dvs pentru a lucra cu routerul dvs fără cablu ASUS.

- **Capitolul 4: Configurarea prin GUI web**

  Acest capitol vă furnizează instrucţiuni de configurare a routerului ASUS folosind interfaţa web grafică de utilizator (web GUI).

- **Capitolul 5: Instalarea utilităţilor**

  Acest capitol vă furnizează informaţii despre utilitarele ce sunt disponibile pe CD.

- **Capitolul 6: Defecţiuni**

  Acest capitol vă furnizează ghidul de remediere a defecţiunilor pentru rezolvarea problemelor comune pe care aţi putea să le întâlniţi folosind routerul ASUS.

- **Anexă**

  Acest capitol vă furnizează Notele şi Declaraţiile de Siguranţă regulatorii.

Convenţii folosite în acest ghid

AVERTIZARE: Informaţii pentru prevenirea rănirii atunci când încercaţi să efectuaţi o sarcină.

ATENŢIE: Informaţii pentru prevenirea deteriorării componentelor atunci când încercaţi să efectuaţi o sarcină.

IMPORTANT: Instrucţiuni pe care TREBUIE să le respectaţi pentru a efectua o sarcină.

NOTĂ: Sfaturi şi informaţii suplimentare care ajută la efectuarea unei sarcini.

1 Cum să vă cunoaşteţi routerul

Conţinutul pachetului

Verificaţi următoarele articole din pachetul routerului ASUS.

- ☑ Router fără cablu RT-G32
- ☑ Încărcătorr
- ☑ CD (manual, utilitare)
- ☑ Cablu RJ45
- ☑ Ghid rapid de pornire

Notă: Dacă unul din aceste articole este stricat sau lipsă contactaţi vânzătorul.

Cerinţe de sistem

Înainte de instalarea routerului ASUS, asiguraţi-vă că sistemul/reţeaua dvs îndeplineşte următoarele cerinţe:

- Un port Ethernet RJ-45 (10Base-T/100Base-TX)
- Cel puţin un dispozitiv IEEE 802.11b/g cu capacitate wireless
- Un TCP/IP instalat şi Internet browser
- Acceptă Internet Explorer 6.0 sau o versiune ulterioară.

Înainte de a începe

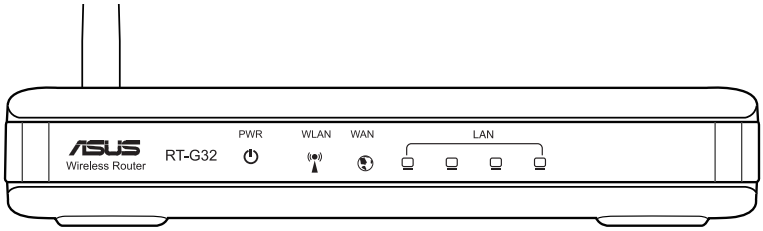
Notaţi următoarele linii de ghidare înainte de instalarea routerului ASUS:

- Lungimea cablului Ethernet ce conectează dispozitivul la reţea (hub, ADSL/ cablu modem, router, wall patch) nu trebuie să depăşească 100 de metri.
- Aşezaţi dispozitivul pe o suprafaţă dreaptă şi stabilă cât mai departe de sol posibil.
- Ţineţi dispozitivul liber de blocare din obiecte din metal şi ferit de razele solare.
- Ţineţi dispozitivul ferit de transformatoare, motoare de mare putere, cuptoare cu microunde, lumini fluorescente, frigidere şi alte echipamente industriale pentru a preveni pierderea de semnal.

- Instalaţi dispozitivul într-o zonă centrală pentru a asigura acoperire ideală pentru toate dispozitivele mobile wireless.
- Instalaţi dispozitivul la cel puţin 20 de cm de o persoană pentru a vă asigura că produsul este operat în conformitate cu Liniile de Ghidare RF a Expunerii Umane adoptată de Comisia Federală a Comunicaţiilor.

Caracteristici hardware

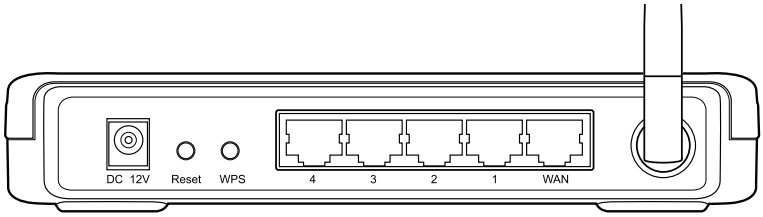
Panoul frontal



Indicatori de stare

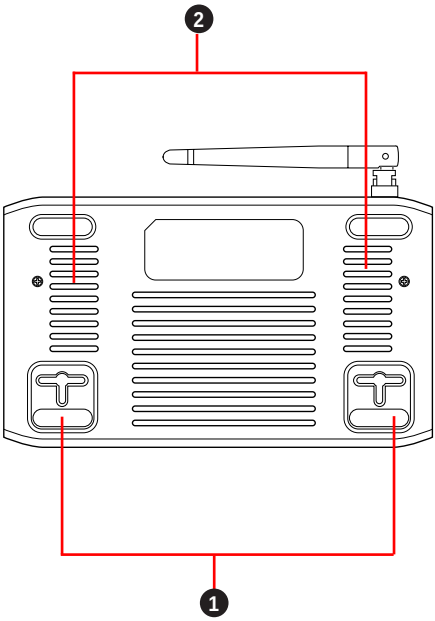
LED	Stare	Indicare
⏻ (Alimentare)	Oprită	Fără alimentare
	Pornită	Sistem pregătit
WLAN (Wireless LAN)	Oprită	Fără alimentare
	Pornită	Sistemul wireless pregătit
	Pâlpâire	Transmitere sau primire de date (wireless)
LAN 1-4 (Local Area Network)	Oprită	Fără alimentare sau fără conexiune fizică
	Pornită	Are conexiune fizică la o reţea Ethernet
	Pâlpâire	Transmitere sau primire de date (prin cablu Ethernet)
WAN (Wide Area Network)	Oprită	Fără alimentare sau fără conexiune fizică
	On	Are conexiune fizică cu o reţea Ethernet
	Pâlpâire	Transmitting or receiving data (through Ethernet cable)

Panou spate



Articol	Descriere
ANTENNA	Reglaţi antena manual pentru o recepţie mai bună a semnalului
WPS	Apăsaţi pe acest buton pentru a lansa funcţia Wi-Fi Protected Setup (Configurare protejată Wi-Fi) (WPS)
Reset	Apăsaţi pentru trei secunde pentru restabilirea la setările implicite din fabrică
WAN	Conectaţi cablul RJ-45 Ethernet la aceste porturi pentru a stabili conexiunea WAN.
LAN1-LAN4	Conectaţi cablul RJ-45 Ethernet la aceste porturi pentru a stabili conexiunea LAN.
c.c. 12 V	Introduceţi adaptorul de c.c. în acest port pentru conectarea router-ului la o sursă de alimentare

Panoul din spate



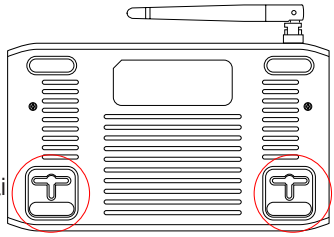
Artico	Descrier
1	**Suporturi de montare** Utilizaţi suporturile de montare pentru a monta router-ul pe suprafeţe din beton sau din lemn, utilizând două şuruburi cu cap rotund.
2	**Orificii pentru aerisire** Aceste orificii asigură ventilarea router-ului dvs.

Notă: Pentru detalii despre montarea router-ului pe perete sau pe tavan, consultaţi secţiunea **Opţiuni de montare** de la pagina următoare a acestui manual de utilizare.

Opţiuni de montare

Afară din cutie, routerul fără fir ASUS RT-G32 este creat pentru a fi aşezat pe o suprafaţă plană ridicată precum Unitatea poate fi, de asemenea, modificată pentru a fi montată pe un perete sau tavan.

Montarea ASUS RT-G32:



1. Căutaţi în partea de dedesubt cele două cârlige de montare.
2. Realizaţi două găuri pe un perete sau pe o suprafaţă plată.
3. Strângeţi cele două şuruburi până când numai 1/4" din acestea rămâne la suprafaţă.
4. Fixaţi cârligele ASUS RT-G32 pe şuruburi.

Notă: Modificaţi şurubele dacă nu puteţi fixa routerul fără fir ASUS ori prinderea este prea plană.

2 Instalarea hardware

Instalarea routerului

Routerul fără cablu ASUS îndeplineşte diferitele scenarii de funcţionare cu configuraţiile potrivite. Ar fi nevoie să schimbaţi setările iniţiale ale routerului pentru a îndeplini cerinţele în mediul dvs wireless. De asemenea vă asigură cu EZSetup, o utilitară ce vă permite să configuraţi uşor o reţea wireless sigură.

Note:

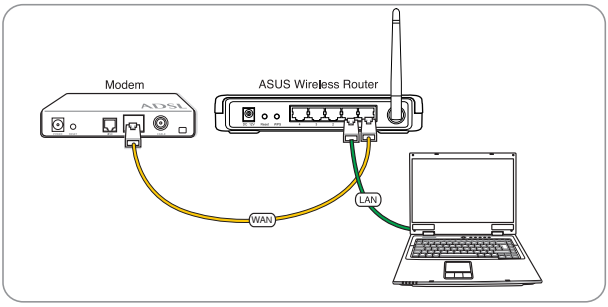
- Pentru mai multe detalii privind EZSetup, referiţi-vă la secţiunea EZSetup în Capitolul 5 a acestui manual al utilizatorului.

Stabilirea unei conexiuni cu cablu

Routerul ASUS este furnizat în pachet cu un cablu Ethernet. Routerul are o funcţie integrată de auto-joncţiune, deci folosiţi fie cablu direct sau de joncţiune pentru conexiunea cu cablu.

Pentru stabilirea legăturii cu cablu:

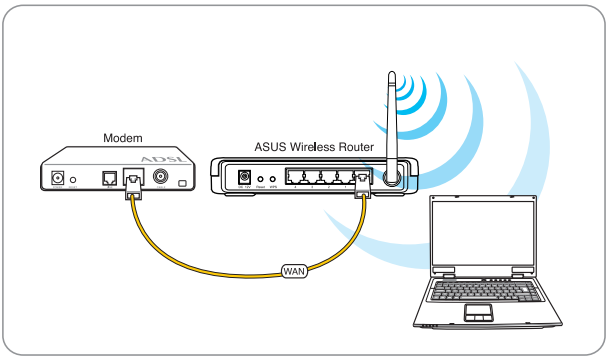
1. Porniţi routerul şi modemul.
2. Folosind cablul Ethernet, conectaţi portul WAN al routerului la modem.
3. Folosind alt cablu Ethernet, conectaţi portul LAN al routerului la portul LAN al calculatorului dvs.



Stabilirea unei conexiuni wireless

Pentru stabilirea unei conexiuni wireless:

1. Porniţi routerul şi modemul.
2. Folosind un cablu Ethernet, conectaţi modemul la portul WAN al routerului.
3. Conectaţi un card WLAN compatibil IEEE 802.11b/g. Referiţi-vă la manualul de utilizare al adapptorului fără cablu pentru procedura conexiunii fără cablu. Iniţial, SSID-ul routerului ASUS are setări "iniţiale" (cu litere mici), criptarea este scoasă din funcţie şi este folosit sistemul deschis de autentificare.



Configurarea routerului

Routerul ASUS include o interfaţă web grafică a utilizatorului (web GUI) care permite să vă configuraţi routerul folosind un browser web pe computerul dvs.

Folosind web GUI

Dacă PC-ul dvs se conectează la router folosind un cablu, lansaţi un browser web şi pagina de acces a paginii GUI a routerului este automat lansată.

Dacă calculatorul dvs se conectează şa router fără cablu, trebuie să selectaţi mai întâi reţeaua.

Pentru a selecta reţeaua:

1. Click **Start > Control Panel (Panou de control) > Network Connections (Conexiuni Reţea) > Wireless Network Connection (Conexiune Reţea fără Cablu)**.
2. Selectaţi o reţea din fereastra **Choose a wireless network (Alegeţi o reţea wireless)**. Aşteptaţi să se conecteze.

Notă: Iniţial SSID routerului wireless este cu **default (setări iniţiale)**. Conectaţi-vă SSID cu setările iniţiale.

3. După stabilirea legăturii wireless, lansaţi browserul web.

Notă:

- Puteţi introduce şi manual adresa IP iniţială a routerului (**192.168.1.1**) pentru a lansa interfaţa web a routerului.
- Pentru mai multe detalii despre configurarea routerului folosind GUI web referiţi-vă la Capitolul 4: Configurarea prin web GUI.

3 Configurarea reţelei clienţi

Accesarea routerului fără fir

Setarea unei adrese IP for un client cu fir sau fără fir.

Pentru a accesa routerul fără fir WL-500gP V2, trebuie să aveţi setările corecte TCP/IP pentru clienţii cu sau fără fir. Setaţi o adresă IP a clientului în acelaşi domeniu al WL-500gP V2.

Iniţial, Routerul ASUS integrează funcţille server DHCP, care automat atribuie adrese IP clienţilor din reţea.

Dar în anumite cazuri, veţi dori ca manual să atribuiţi adrese IP statice unor clienţi sau computere din reţeaua dvs mai degrabă decât să obţineţi adresele IP automat de la routerul dvs.

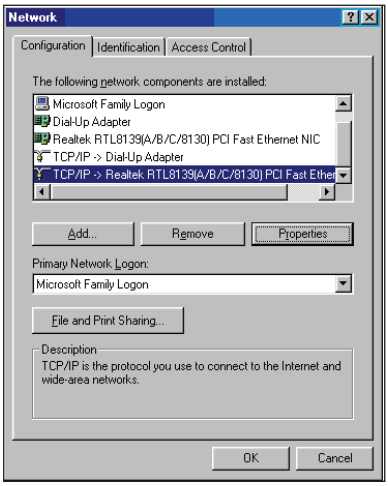
Urmaţi instrucţiunile de ma jos ce corespund sistemului de operare instalat pe computerul clientului dvs.

Notă: Dacă doriţi să atribuiţi manual o adresă IP clientului dvs, vă recomandăm să folosiţi următoarele setări:

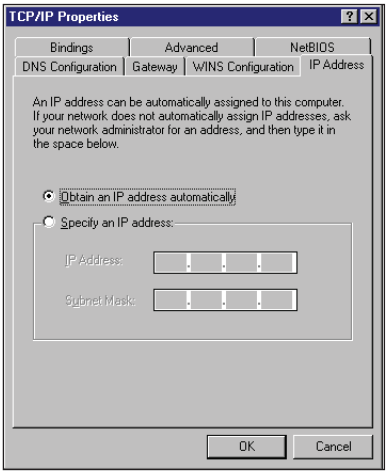
- **Adresa IP:** 192.168.1.xxx (xxx poate fi orice număr între 2 şi 254. Asiguraţi-vă ca adresa IP nu este folosită de un alt dispozitiv)
- **Subnet Mask:** 255.255.255.0 (identică cu routerul ASUS)
- **Portal:** 192.168.1.1 (Adresa IP a Routerului ASUS)
- **DNS:** 192.168.1.1 (Router ASUS) sau atribuiţi un server DNS cunoscut în reţeaua dvs.

Windows® 9x/ME

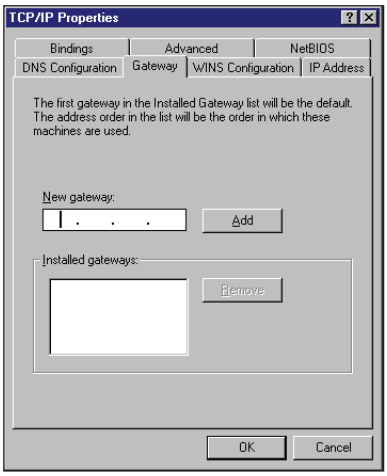
1. Faceţi clic pe **Start** > **Control Panel (Panou de control)** > **Network (Reţea)** pentru a afişa fereastra de configurare a reţelei.
2. Selectaţi **TCP/IP** apoi click **Properties** (**Proprietăţi**).



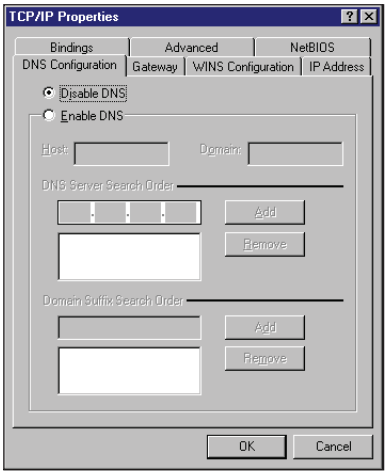
3. Dacă doriţi ca computerul dvs să obţină automat o adresă IP, click **Obtain an IP address automatically (Obţineţi o adresă IP automat)** apoi click **OK**. Altfel, click **Specify an IP address (Specificaţi o adresă IP)**, apoi tastaţi **IP address (adresa IP)** şi **Subnet Mask**.



4. Selectaţi **Gateway (tabul Portal)** şi tastaţi **New gateway (Portal Nou)** apoi click pe **Add (Adăugaţi)**.

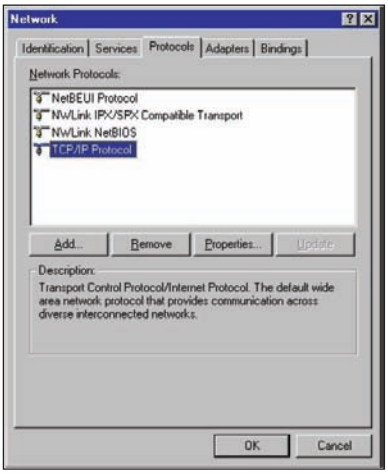


5. Selectaţi tabul **DNS configuration (Configurare DNS)** şi click **Enable DNS (Activaţi DNS)**. Tastaţi **Host (Domeniu)**, **Domain (Gazdă)**, şi **DNS Server Search Order (Ordinea de Căutare a Serverului DNS)**, apoi click **Add (Adăugaţi)**.
6. Click **OK**.

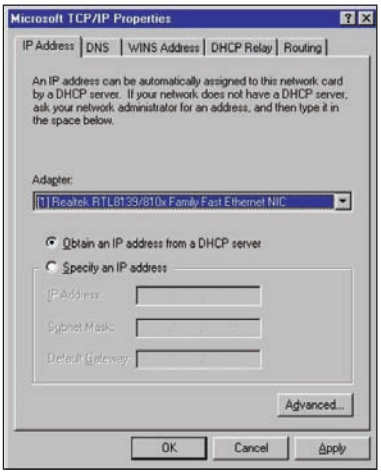


Windows® NT4.0

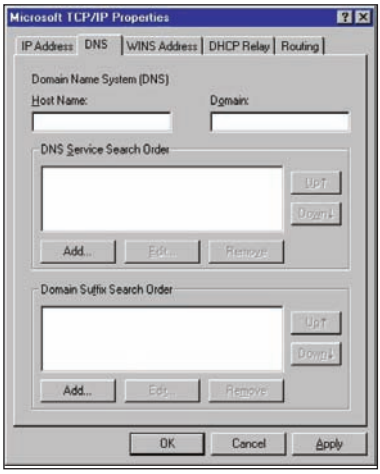
1. Mergeţi la **Control Panel (Panoul de Control)** > **Network (Reţea)** pentru a afişa fereastra de conectare la reţea apoi selectaţi tabul **Protocols (Protocoale)**.
2. Selectaţi **TCP/IP Proctocol (TCP/IP Protocolale)** din lista **Network Protocols (Protocoale Reţea)** apoi click pe **Properties (Proprietăţi).**



3. De la tabul Adresă IP a ferestrei Proprietăţi Microsoft TCP/IP, puteţi:
   - Selecta tipul de adaptor de reţea instalat în sistemul dvs.
   - Seta routerul pentru a atribui o adresă IP automat.
   - Seta manual adresa IP, subnet mask şi portalul iniţial.

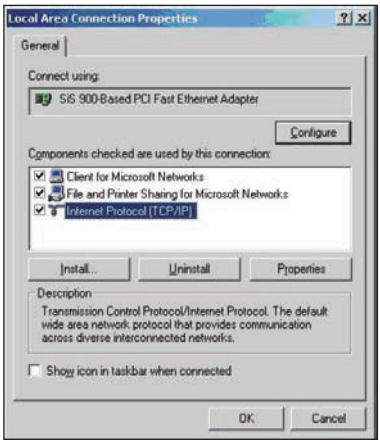


4. Selectaţi tabul **DNS** apoi click **Add (Adăugaţi)** sub **DNS Service Search Order (Ordine Căutare Serviciu DNS)** şi tastaţi în DNS.

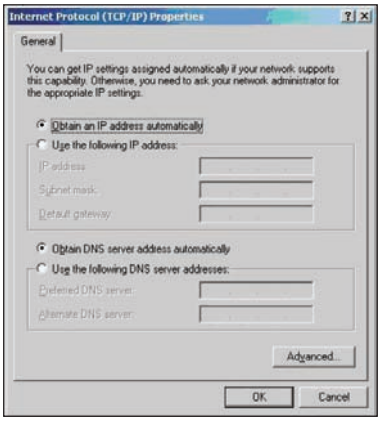


Windows® 2000

1. Click **Start** > **Control Panel (Panou Control)** > **Network and Dial-up Connection (Conexiune Dial-up şi reţea)**. Click dreapta **Local Area Connection (Zonă Locală Conectare)** apoi click **Properties (Proprietăţi).**

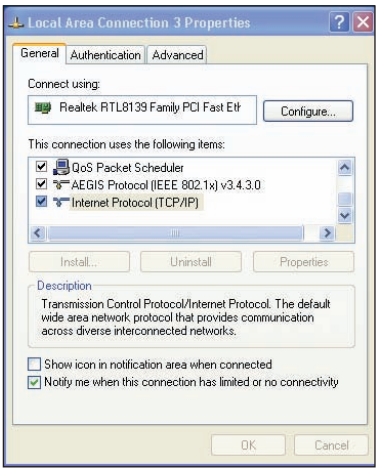


2. Selectaţi **Internet Protocol (TCP/IP),** apoi click pe **Properties (Proprietăţi).**
3. Selectaţi **Obtain an IP address automatically (Obţineţi o adresă IP automat)** dacă doriţi ca setările IP să fie atribuite automat. Altfel, selectaţi **Use the following IP address (Folosiţi următoarea adresă IP)**: şi tastaţi **IP address (Adresa IP), Subnet mask**, şi **Default gateway (Portalul iniţial).**
4. Selectaţi **Obtain an IP address automatically (Obţineţi o adresă IP automat)** dacă doriţi ca setările serverului DNS să fie atribuite automat. Altfel, selectaţi **Use the following DNS server address (Folosiţi următoarea adresă server DNS)**: şi tastaţi **Preferred (Preferat)** şi **Alternate DNS server (Server DNS alternativ)**.
5. Click **OK** când aţi terminat.

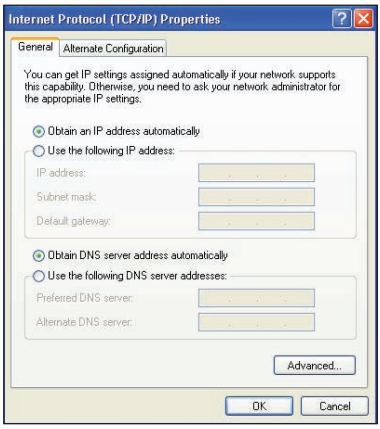


Windows® XP

1. Click **Start** > **Control Panel (Panou Control)** > **Network Connection (Conexiune Reţea)**. Faceţi dublu click pe **Local Area Connection (Conexiune Zonă Locală)** apoi selectaţi **Properties (Proprietăţi).**



2. Selectaţi **Internet Protocol (TCP/IP),** apoi click pe **Properties (Proprietăţi).**
3. Selectaţi **Obtain an IP address automatically (Obţineţi o adresă IP automat)** dacă doriţi ca setările IP să fie atribuite automat. Altfel, selectaţi **Use the following IP address (Folosiţi următoarea adresă IP)**: şi tastaţi **IP address (adresa IP)**, **Subnet mask**, şi **Default gateway (Portalul iniţial).**
4. Selectaţi **Obtain DNS server address automatically (Obţineţi adresă server DNS automat)** dacă doriţi ca setările serverului DNS să fie atribuite automat. Altfel, selectaţi **Use the following DNS server addresses (Folosiţi următoarea adresă server DNS)**: şi tastaţi **Preferred** and **Alternate DNS server (Serverul DNS Preferat sau Alternativ).**
5. Click **OK** când aţi terminat.



4 Configurarea prin GUI web

Configurarea prin GUI web

Interfaţa de utilizator web grafică a routerului (web GUI) vă permite să configuraţi aceste caracteristici: **Settings (Setare).**

Pentru a confirgura prin web GUI:

1. După ce aţi stabilit o conexiune cu sau fără cablu, lansaţi un browser web. Pagina de acces este lansată automat.

Notă: Puteţi de asemenea să introduceţi manual adresa IP iniţială a routerului (**192.168.1.1**) pentru a lansa interfaţa web a routerului.

2. Pe pagina de acces, tastaţi numele iniţial al utilizatorului (**admin**) şi parola (**admin**).
3. De la pagina principală, faceţi click pe meniul de navigare sau pe link pentru a configura caracteristici diferite pentru Routerul ASUS.

Configurarea setării

Această pagină vă permite să configuraţi setarea pentru router şi pentru reţea. Vă permite configurarea setării pentru: **Wireless (Fără fir), LAN (LAN), WAN (WAN), Firewall (Paravan de protecţie), Administration (Administrare)** şi **System Log (Jurnal de sistem)**.

Pentru lansarea paginii de setare:

- Faceţi clic pe **Setting (Setare)** din meniul de navigare din partea stângă a ecranului.

Actualizarea softului integrat

Notă: Descărcaţi ultimul soft integrat de pe pagina web a ASUS la: **http://www.asus.com**

Pentru actualizarea softului integrat:

1. Faceţi click pe **Settings (Setare)** din cadrul meniul de navigare din partea stângă a ecranului.
2. Din meniul **Administration (Administrare)**, faceţi click pe **Firmware Upgrade (Actualizare Soft Integrat)**.
3. În campul **New Firmware File (Fişier Nou Soft Integrat)**, faceţi click pe **Browse (Răsfoiţi)** pentru a localiza noul soft integrat pe computerul dvs.
4. Faceţi click pe **Upload (Încărcare)**. Procesul de încărcare durează cam trei minute.

Notă: Dacă procesul de actualizare eşuează, routerul va intra automat în modul de urgenţă sau de defecţiune şi indicatorul LED de curent de pe partea frontală pâlpâie lent. Pentru a reface sistemul, folosiţi utilitara **Firmware Restoration (Restaurare Soft Integrat)**. Pentru mai multe detalii privind această utilitate, referţi-vă la secţiunea Restaurare Soft Integrat în Capitolul 5 a acestui manual al utilizatorului.

Refacerea/Salvarea/Încărcarea setărilor

Pentru a reface/salva/încărca setările:

1. Faceţi click pe **Settings (Setare)** din cadrul meniului de navigarea din partea stângă a ecranului.
2. În cadrul meniului **Administration (Administrare)**, faceţi click pe **Restore (Setarea de Refacere)/Save (Salvare)/Upload Setting (Încărcare)**.

3. Selectaţi sarcina pe care doriţi s-o îndepliniţi:
   - Pentru a reface setările iniţiale din fabrică, faceţi click pe **Restore (Refacere)** apoi click **OK** în mesajul de confirmare.
   - Pentru a salva setările prezente ale sistemului, click **Save (Salvează)** şi click pe **Save (Salvează)** în fereastra fişierului de încărcare, pentru a salva fişierul sistemului pe ruta preferată.
   - Pentru a reface setarea sistemului anterior, click **Browse (Răsfoieşte)** pentru a localiza fişierul sistemului pe care doriţi să.l refaceţi apoi faceţi click pe **Upload (Încărcare)**.

5 Instalarea utilităţilor

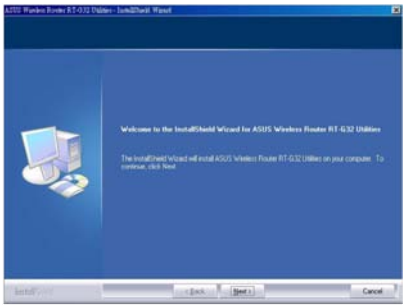
Instalarea utilităţilor

CD-ul conţine utilitarele pentru configurarea Routerului ASUS. Pentru a instala Utilitarele ASUS WLAN în Microsoft® Windows, introduceţi CD-ul. Dacă Autorun este dezactivat, rulaţi setup.exe din rădăcina directorului a CD-lui.

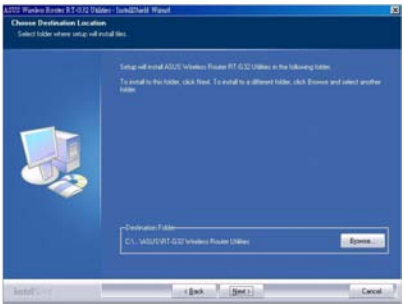
Pentru instalarea utilitarelor:

1. Faceţi clic pe **Install ASUS Wireless Router Utilities (Instalare utilitare ASUS pentru router fără fir)**.

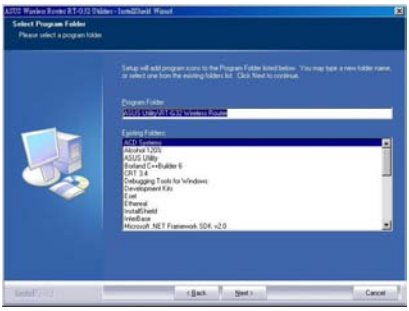
2. Click **Next (Următorul)**.



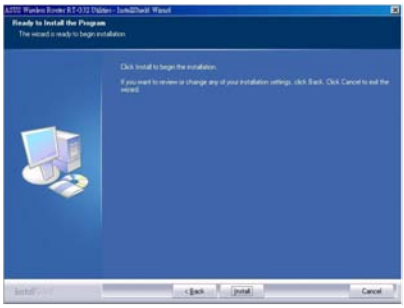
3. Click **Next (Următorul)** pentru a accepta destinaţia iniţială a folderului sau cluck **Browse (Răsfoieşte)** pentru a specifica o altă rută.



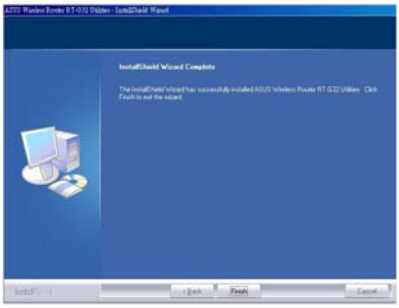
4. Faceţi clic pe **Next (Următorul)**.



5. Faceţi clic pe **Install (Instalare)** pentru instalarea utilitarului.



6. Click **Finish (Terminare)** când setarea e terminată.

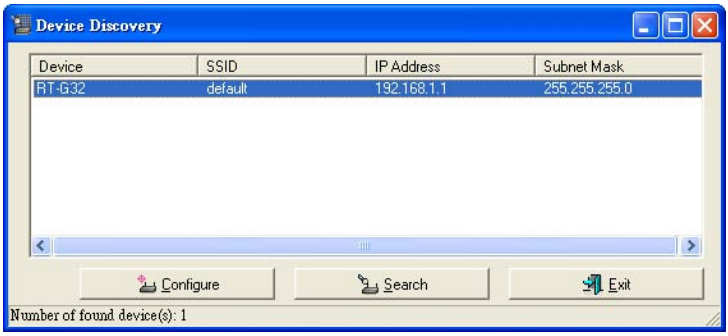


Detectarea Dispozitivului

Detectarea Dispozitivului este o utilitară ASUS WLAN ce detectează dispozitivul Router ASUS şi permite să configuraţi dispozitivul.

Pentru a lansa utilitara Detectează Dispozitivul

- De pe desktopul computerului dvs click **Start > All programs (Toate Programele) > ASUS Utility (Utilitară ASUS) > RT-G32 Wireless Router (Router fără fir RT-G32) > Device Discovery (Detectare Dispozitiv)**



Refacerea softului integrat

Refacerea Softului Integrat este o utilitară ce caută Routerul ASUS ce a eşuat în cadrul procesului de actualizare a softului integrat, apoi reface sau reîncarcă softul integrat pe care îl specificaţi. Procesul poate dura cam patru minute.

NU utilizaţi acest utilitar decât dacă întâmpinaţi situaţii anormale, cum ar fi un element firmware corupt, eroare de upgrade sau căderea sistemului.

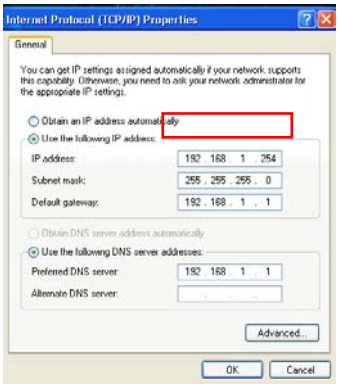
1. Descărcaţi cea mai recentă versiune firmware şi cel mai recent utilitar de pe site-ul nostru Web la (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Decomprimaţi fişierul utilitar, apoi executaţi Setup.exe. Faceţi clic pe **Next (Următorul)** pentru terminarea instalării.

Setarea manuală a adresei IP

Faceţi clic pe **Start > Control Panel (Panou de control) > Network Connection (Conexiune reţea)**. Faceţi clic dreapta pe **Local Area Connection (Conexiune de reţea locală)** , apoi selectaţi **Properties (Proprietăţi)**.

Setaţi adresa IP manual (192.168.1.254).

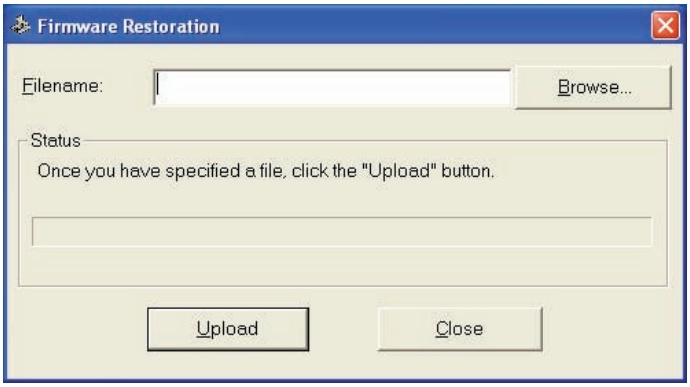
- Vă sugerăm utilizarea unei conexiuni cu fir şi setarea adresei IP manual pentru obţinerea unui mediu ideal pentru transmisie.
- Asiguraţi-vă că paravanul de protecţie de pe PC este dezactivat.



3. Opriţi router-ul fără fir, apăsaţi şi ţineţi apăsat butonul de reiniţializare şi apoi porniţi din nou dispozitivul. Dispozitivul fără fir este introdus în modul de salvare după ce LED-ul WLAN clipeşte intermitent.

NU opriţi şi nu reiniţializaţi dispozitivul în timpul actualizării firmware! Acest lucru poate genera erori la încărcarea sistemului!

4. De pe desktopul Windows® , faceţi clic pe **Start > All programs (Toate programele) > ASUS Utility (Utilitar ASUS) > RT-G32 Wireless Router (Router fără fir RT-G32) > Firmware Restoration (Restaurare firmware)**.
5. Faceţi clic pe **Browse (Răsfoire)** pentru selectarea fişierului firmware şi apoi faceţi clic pe **Upload (Încărcare)**.



6. După încărcarea reuşită a elementului firmware, dispozitivul reporneşte automat.

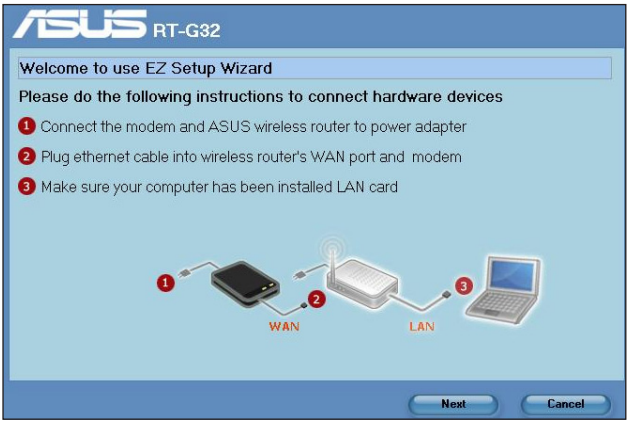
EZSetup

EZSetup este un utilitar care vă permite configurarea uşoară a reţelei fără fir

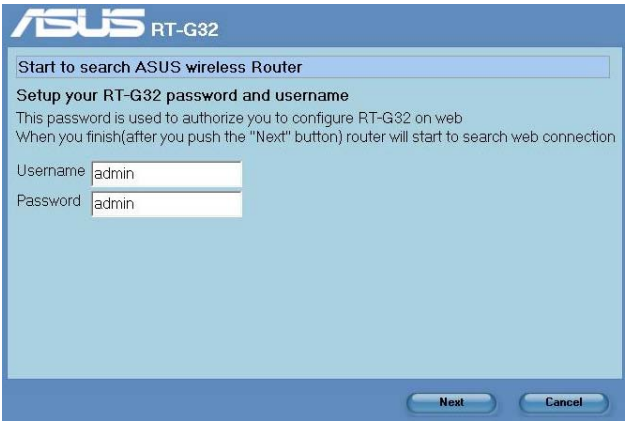
Înainte de instalarea utilitarului EZSetup, asiguraţi-vă că router-ul RT-G este conectat la modem sau la PC prin cablul RJ45.

Pentru folosirea EZSetup:

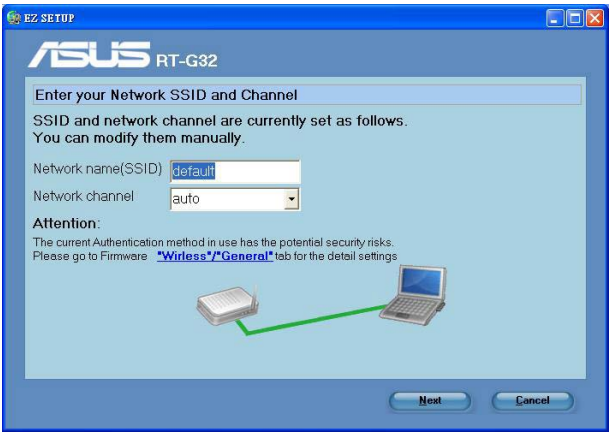
1. Urmaţi instrucţiunile pentru conectarea dispozitivului hardware. Când aţi terminat, faceţi clic pe **Next (Următorul)**.



2. Tastaţi numele de utilizator şi parola pentru configurarea router-ului fără fir pe Web. Când aţi terminat, faceţi clic pe **Next (Următorul)**.

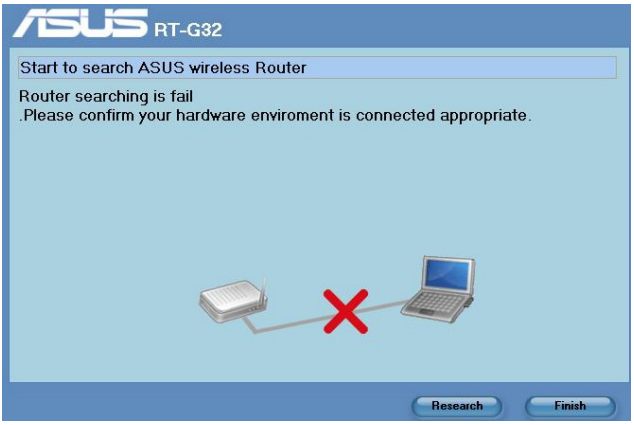


3. După configurare, SSID-ul şi canalul de reţea sunt conectate, faceţi clic pe **Next (Următorul)** pentru continuare.



(În curs de conectare)

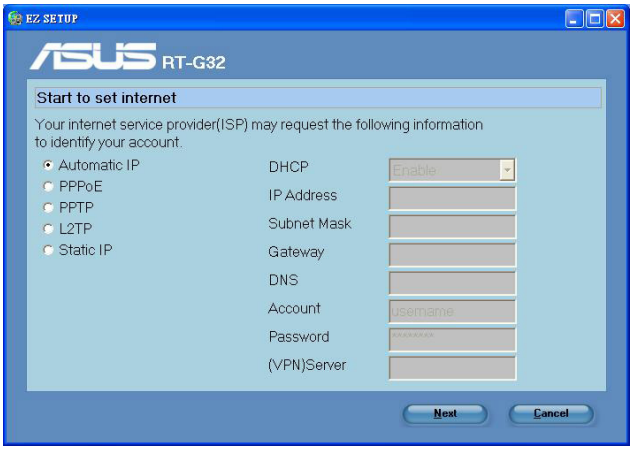
În cazul unei conexiuni nereuşite, asiguraţi-vă că mediul hardware este conectat corect şi faceţi clic pe Re-search (Căutare din nou) pentru a căuta din nou.



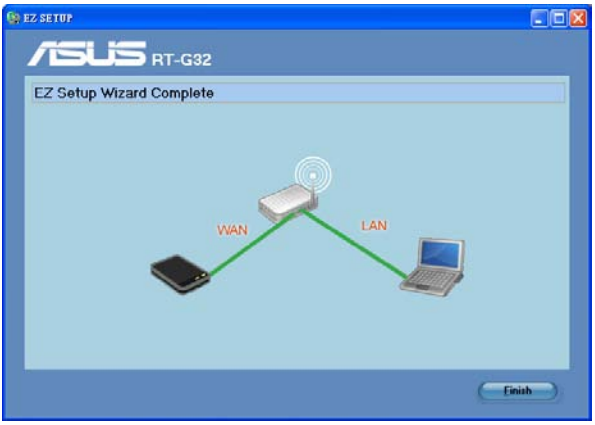
(Conexiune nereuşită)

4. Faceţi clic pe **Next (Următorul)** pentru configurarea setărilor de conexiune ISP de bază. Faceţi clic pe Finish (Terminare) pentru terminarea setărilor de reţele interne.

5. Selectaţi tipul de conexiune din aceste tipuri de servicii ISP: **Automatic IP (IP Automat), PPPoE, PPTP, L2TP, şi Static IP (IP Static)**. Tastaţi informaţiile necesare pentru tipul dvs. de conexiune ISP. Când aţi terminat, faceţi clic pe **Next (Următorul)**.



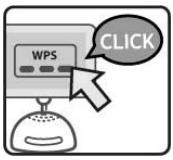
6. Când aţi terminat, faceţi clic pe **Finish (Terminare)**.



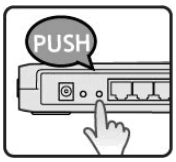
Buton WPS rapid de conectare

Atunci când conectaţi un calculator sau adaptor wireless (precum ASUS USB-N11 şi adaptorul PCI-G31) cu funcţie WPS, urmaţi vă rog instrucţiunile de mai jos pentru a activa conectarea rapidă WPS.

1. Pentru a folosi WPS, asiguraţi-vă că atât routerul wireless RT-G32 cât şi funcţia softului WPS wireless al altui calculator este activată.



2. Apăsaţi butonul WPS de pe panoul din spate al routerului wireless RT-G32.



3. LED-ul RT-G32 WLAN poate lumina apoi poate lumina slab după ce conexiunea WPS a fost stabilită.

6 Defecţiuni

Remedierea defecţiunilor

Acest ghid de remediere a defecţiunilor furnizează soluţii pentru anumite probleme comune pe care le-aţi putea întâlni în timpul instalării sau folosirii Routerului ASUS. Aceste probleme necesită simple remedieri pe care le puteţi îndeplini chiar dvs. Contactaţi Centru de Suport Tehnic ASUS dacă întâlniţi probleme nemenţionate în acest capitol.

Problemă	Acţiune
Nu pot accesa un browser web pentru configurarea routerului.	1. Iansaţi un browser web apoi click **Toos (Unelte) > Internet Options... (Opţiuni Internet)** 2. În cadrul **Temporary Internet files (fişiere temporare internet),** click **Delete Cookies (Şterge Cookies)...** şi **Delete Files (Şterge Fişiere)....**
Clientul nu poate stabili o legătura wireless cu routerul.	**În afara razei:** • Puneţi routerul mai aproape de clientul wireless. • Încercaţi să schimbaţi setările canalului. **Autentificare:** • Folosiţi conexiune cu cablu pentru a vă conecta la router. • Verificaţi setările de securitate wireless. • Apăsaţi butonul Refacere de pe panoul din spate pentru mai mult de cinci secunde. **Nu poate găsi routerul:** • Apăsaţi butonul Refacere de pe panoul din spate pentru mai mult de cinci secunde. • Verificaţi setarea adaptorului wireless precum SSID şi setarea de criptare.

Problemă	Acţiune
Nu poate accesa la internet prin adaptorul LAN wireless	Mutaţi routerul mai aproape de clientul wireless. • Verificaţi dacă adaptorul wireless este conectat corespunzător la router. • Verificaţi dacă canalul wireless în uz este conform cu canalele disponibile în zona/ţara dvs. • Verificaţi setările de criptare. • Verificaţi dacă conexiunea ADSL sau a cablului este corectă. • Reîncercaţi folosind un alt cablu Ethernet.
Internetul nu este accesibil	• Verificaţi statustul indicatorilor pe modemul ADSL şi router. • Verificaţi dacă LED-ul WAN de pe router este APRINS. Dacă nu schimbaţi cablul şi încercaţi din nou.
Când “Link-ul” Modemului ADSL este PORNIT (nu pâlpâie) înseamnă că accesul la internet e posibil.	• Reporniţi calculatorul • Referiţi-vă la Ghidul Rapis de Pornire al routerului şi reconfiguraţi setările. • Verificaţi dacă LED-ul WAN de pe router este APRINS. • Verificaţi setările de criptare wireless. • Verificaţi dacă computerul poate obţine adresă IP (prin reţeaua cu cablu sau cea wireless). • Asiguraţi-vă că browserul web este configurat pebntru a folosi LAN local, şi că nu este configurat să folosească un proxy server.
Dacă lumina “link-ului” ADSL clipeşte încontinuu sau e stinsă permanent, accesul la internet nu este posibil – routerul nu poate stabili legătura la reţeaua ADSL.	• Asiguraţi-vă că toate cablurile sunt corect conectate. • Deconectaţi cablul de curent de şa modemul de cablu sau ADSL, aşteptaţi câteva minute şi reconectaţi. • Dacă lumina de la ADSL continuă să clipească sau să fie stinsă, contactaţi furnizorul dvs de servicii ADSL.
Numele reţelei sau codul de criptare e uitat	• Încercaţi conectarea prin cablu şi configuraţi criptarea wireless din nou. • Apăsaţi butonul Refacere din spatele routerului pentru mai mult de cinci secunde.

Problemă	Acţiune
Cum să readuc sistemul la setările sale iniţiale	• Apăsaţi butonul Refacere din spatele routerului pentru mai mult de cinci secunde. • Consultaţi secţiunea Restoring to the default settings (Restabilirea la setările implicite) din Capitolul 4 din acest manual de utilizare. Următoarele sunt setări iniţiale de fabrică: **Nume utilizator:** admin **Parolă:** admin **Validează DHCP:** Da (când cablul WAN este conectat) **Adresă IP:** 192.168.1.1 **Nume domeniu:** (Gol) **Subnet Mask:** 255. 255. 255.0 **DNS Server 1:** 192.168.1.1 **DNS Server 2:** (Gol) **SSID:** setare iniţială

Anunţuri

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Version 2, June 1991

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ASUS COMPUTER INTERNATIONAL (America)

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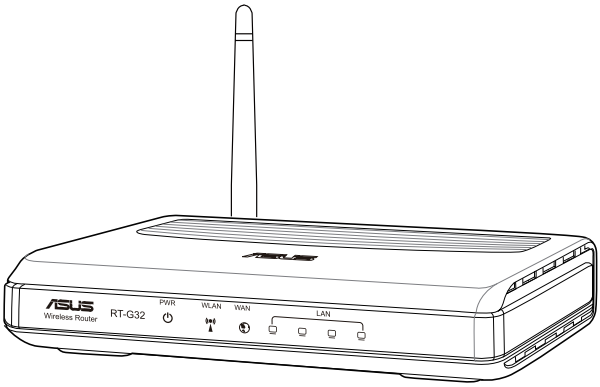
RT-G32
Router inalámbrico



Manual de usuario

S4264

Edición Revisada V1
Diciembre 2008

Contenidos

Contenidos

Acerca de esta guía

Este manual de usuario contiene información que necesitará para instalar y configurar su router inalámbrico ASUS.

Cómo está organizada esta guía

Esta guía contiene las siguientes partes:

- **Capítulo 1: Conociendo su router inalámbrico**
  Este capítulo contiene información acerca del contenido de la caja, los requisitos del sistema, las características hardware y los indicadores LED del router inalámbrico ASUS.

- **Capítulo 2: Instalación del hardware**
  Este capítulo contiene instrucciones acerca de la instalación, acceso y configuración del router inalámbrico ASUS.

- **Capítulo 3: Configurar los clientes de red**
  Este capítulo contiene instrucciones acerca de la configuración de los clientes de su red para que puedan trabajar con su router inalámbrico ASUS.

- **Capítulo 4: Configuración a través de la interfaz Web**

  Este capítulo contiene instrucciones acerca de la configuración del router inalámbrico ASUS utilizando su interfaz gráfica de usuario Web (Web GUI).

- **Capítulo 5: Instalación de las utilidades**

  Este capítulo contiene información acerca de las utilidades que se incluyen en el CD de soporte.

- **Capítulo 6: Resolución de problemas**

  Este capítulo contiene una guía de solución de problemas que le permitirá resolver los problemas más comunes a los que podría enfrentarse durante el uso del router inalámbrico ASUS.

- **Apéndices**

  Este capítulo contiene las notas y declaraciones de seguridad administrativas relacionadas con el producto.

Convenciones usadas en esta guía

ADVERTENCIA: Información para prevenir daños personales mientras realiza alguna tarea.

PRECAUCIÓN: Información para prevenir daños a los componentes mientras realiza alguna tarea.

IMPORTANTE: Instrucciones que DEBEN ser seguidas para completar alguna tarea.

NOTA: Consejos e información adicional para ayudarle a completar alguna tarea.

1 Conociendo su router inalámbrico

Contenido de la caja

Compruebe si la caja de su router inalámbrico ASUS contiene los siguientes artículos.

- ☑ Router inalámbrico RT-G32
- ☑ Adaptador de alimentación
- ☑ CD de soporte (manual, utilidades)
- ☑ Cable RJ-45
- ☑ Guía de inicio rápido

Nota: Póngase en contacto con su distribuidor si falta cualquier artículo o se encuentra dañado.

Requisitos del sistema

Antes de instalar el router inalámbrico ASUS, asegúrese de que su sistema / red cuenta con las siguientes características:

- Un puerto Ethernet RJ-45 (10Base-T/100Base-TX)
- Al menos un dispositivo IEEE 802.11b/g con funciones inalámbricas
- Un protocolo TCP/IP y un explorador de Internet instalados
- Compatibilidad con Internet Explorer 6.0 o posterior.

Antes de continuar

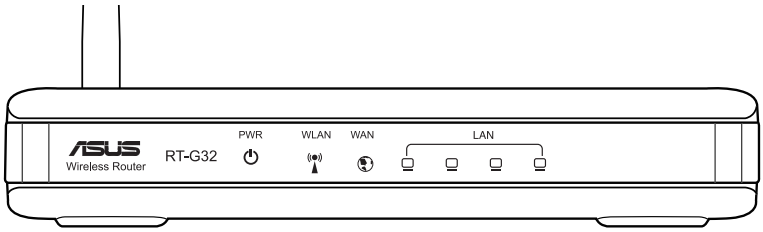
Tome nota de las siguientes directrices antes de instalar el router inalámbrico ASUS:

- La longitud del cable Ethernet utilizado para conectar el dispositivo a la red (hub, módem ADSL/cable, router, toma de pared) no debe superar los 100 metros.
- Coloque el dispositivo sobre una superficie plana y estable, lo más alejada del suelo posible.
- Mantenga el dispositivo alejado de obstáculos metálicos y evite que le alcance la luz solar de forma directa.

- Mantenga el dispositivo alejado de transformadores, motores de alto rendimiento, luces fluorescentes, hornos microondas, refrigeradores y otros equipos industriales para evitar pérdidas de señal.
- Instale el dispositivo en una zona céntrica con el fin de proporcional la cobertura óptima para todos los dispositivos móviles inalámbricos.
- Instale el dispositivo a una distancia mínima de 20 cm de cualquier persona para garantizar que su uso se realice de acuerdo con las directivas RF de exposición humana adoptadas por la Comisión Federal de Comunicaciones (FCC).

Características hardware

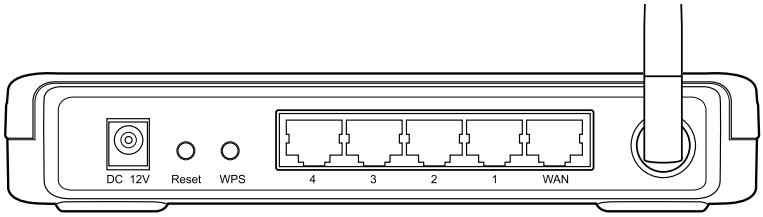
Panel delantero



Indicadores de estado

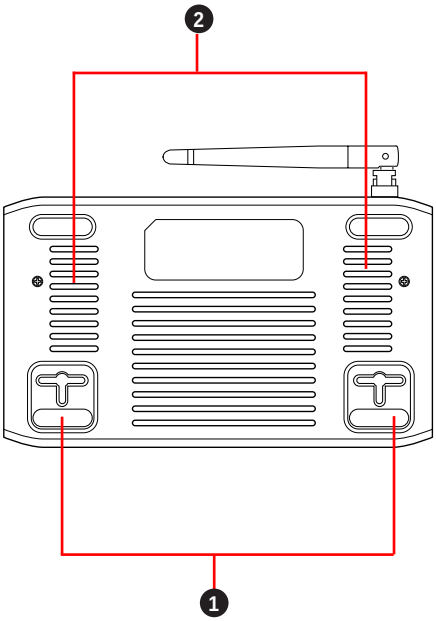
LED	Estado	Indicación
⏻ (Alimentación)	Desactivado	No hay alimentación
	Activado	Sistema preparado
WLAN (red inalámbrica)	Desactivado	No hay alimentación
	Activado	Sistema inalámbrico preparado
	Intermitente	Transmitiendo o recibiendo datos (a través de la red inalámbrica)
LAN 1-4 (red de área local))	Desactivado	No hay alimentación o conexión física
	Activado	Existe conexión física con una red Ethernet
	Intermitente	Transmitiendo o recibiendo datos (a través del cable Ethernet)
WAN (red de área amplia)	Desactivado	No hay alimentación o conexión física
	Activado	Existe conexión física con una red Ethernet
	Intermitente	Transmitiendo o recibiendo datos (a través del cable Ethernet)

Panel posterior



Elemento	Descripción
ANTENNA	Ajuste manualmente la antena para mejorar la recepción de la señal.
WPS	Pulse este botón para iniciar la función Wi-Fi Protected Setup (WPS).
Reset	Mantenga pulsado este botón durante tres segundos para restaurar la configuración predeterminada de fábrica.
WAN	Conecte un cable Ethernet RJ-45 a este puerto para establecer una conexión WAN.
LAN1-LAN4	Conecte cables Ethernet RJ-45 a estos puertos para establecer una conexión LAN.
DC 12V	Inserte el adaptador DC en este puerto para conectar su router a una fuente de alimentación.

Panel inferior



Elemento	Descripción
1	**Ganchos de montaje** Utilice los ganchos de montaje para montar el router sobre una superficie de cemento o madera utilizando dos tornillos de cabeza redonda.
2	**Orificios de ventilación** Estos orificios proporcionan al router la ventilación adecuada.

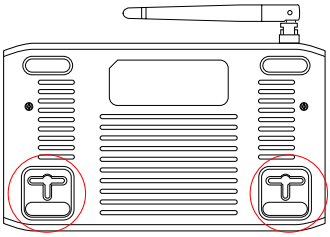
Nota: Para más información acerca del montaje del router en una pared o techo, consulte la sección Mounting options (Opciones de montaje) en la página siguiente de este manual de usuario.

Opciones de montaje

El router inalámbrico ASUS RT-G32 ha sido diseñado para colocarlo sobre una superficie plana, como un archivador o una estantería. El equipo puede convertirse también para poder montarlo en una pared o techo.

Para montar el router ASUS RT-G32:

1. Busque los dos orificios de montaje situados en la parte inferior.
2. Marque los dos orificios superiores en una pared o superficie elevada.
3. Enrosque dos tornillos hasta que solamente sobresalga 1/4".
4. Introduzca los tornillos en los ganchos del router ASUS RT-G32.



Nota: vuelva a ajustar los tornillos si no puede introducirlos en los ganchos del router inalámbrico ASUS o si queda demasiado separado de la pared.

2 Instalación del hardware

Configuración del router inalámbrico

El router inalámbrico ASUS es válido para distintas situaciones de trabajo si se configura correctamente. Es posible que necesite modificar la configuración predeterminada del router para que satisfaga los requisitos de su entorno inalámbrico. También ofrece la utilidad EZSetup, que le permitirá configurar fácilmente una red inalámbrica segura.

Notas:

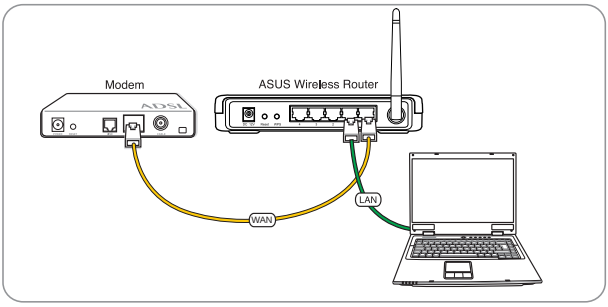
- Para más información acerca de la utilidad EZSetup, consulte la sección Utilidad EZSetup en el Capítulo 5 de este manual.

Configurando una conexión por cable

El router inalámbrico ASUS incluye un cable Ethernet. El router inalámbrico cuenta con una función integrada de detección de cruce, por lo que puede utilizarse un cable de red directo o cruzado para realizar la conexión por cable.

Para configurar una conexión por cable:

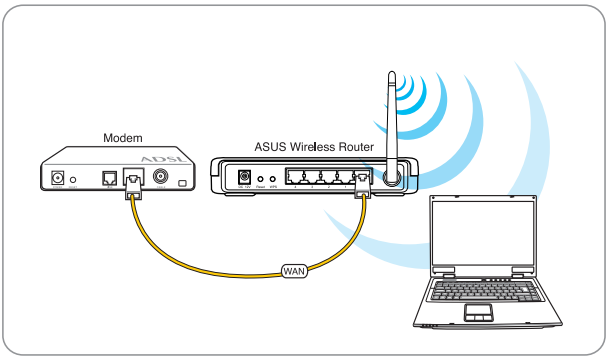
1. Encienda su equipo y el módem.
2. Utilizando un cable Ethernet, conecte el puerto WAN del router al módem.
3. Utilizando otro cable Ethernet, conecte el puerto LAN del router al puerto LAN de su equipo.



Configurando una conexión inalámbrica

Para configurar una conexión inalámbrica:

1. Encienda su equipo y el módem.
2. Utilizando un cable Ethernet, conecte el módem al puerto WAN del router.
3. Conecte una tarjeta WLAN compatible con IEEE 802.11b/g. Consulte el manual de usuario de su adaptador inalámbrico para conocer el procedimiento de conexión inalámbrica. De forma predeterminada, el identificador SSID del router inalámbrico ASUS es “default” (en minúsculas), la configuración de cifrado está deshabilitada y el sistema de autenticación es abierto.



Configuración del router inalámbrico

El router inalámbrico ASUS incluye una interfaz gráfica de usuario Web (Web GUI) que le permitirá configurar el router inalámbrico utilizando un explorador Web en su equipo.

Uso de la interfaz Web

Si su equipo se conecta al router utilizando un cable, abra un explorador Web. Aparecerá automáticamente la página de inicio de sesión de la interfaz Web del router.

Si su equipo se conecta al router de forma inalámbrica, deberá seleccionar primero la red.

Para seleccionar la red:

1. Haga clic en **Start (Inicio) > Control Panel (Panel de control) > Network Connections (Conexiones de red) > Wireless Network Connection (Conexión de red inalámbrica)**.
2. Seleccione una red en la ventana **Choose a wireless network (Seleccione una red inalámbrica)**. Espere a que se realice la conexión.

Nota: De forma predeterminada, el identificador SSID del router inalámbrico es **default**. Conéctese a este identificador SSID predeterminado.

3. Tras establecer una conexión inalámbrica, abra un explorador Web.

Notas:

- También puede introducir manualmente la dirección IP predeterminada del router (**192.168.1.1**) para abrir su interfaz Web.
- Para más información acerca de la configuración de su router inalámbrico utilizando la interfaz Web, consulte el Capítulo 4: Configuración a través de la interfaz Web.

3 Configuración de los clientes de red

Para acceder al router inalámbrico

Para configurar una dirección IP para un cliente con conexión por cable o inalámbrica

Para acceder al router inalámbrico RT-G32 deberá configurar los parámetros TCP/IP correctos en sus clientes cableados o inalámbricos. Defina las direcciones IP de los clientes dentro de la misma subred que el router RT-G32.

De forma predeterminada, el router inalámbrico ASUS integra funciones de servidor DHCP que permiten asignar direcciones IP a los clientes de su red automáticamente.

Sin embargo, existen casos en los que podría desear asignar manualmente direcciones IP estáticas a algunos de los clientes o equipos de su red, en lugar de hacerlo automáticamente desde el router inalámbrico.

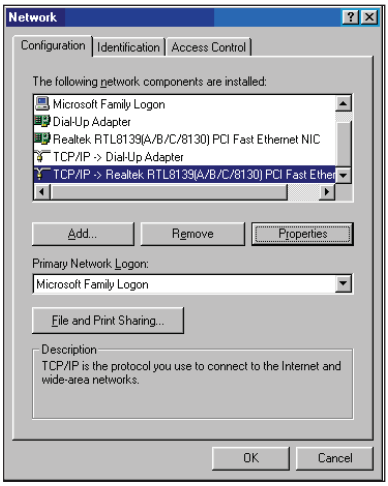
Siga las instrucciones siguientes según el sistema operativo instalado en su cliente o equipo.

Nota: Si desea asignar manualmente una dirección IP a su cliente, recomendamos el uso de la siguiente configuración:

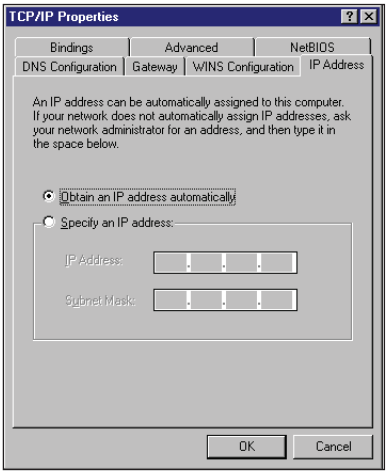
- Dirección IP: 192.168.1.xxx (xxx puede ser cualquier número entre 2 y 254. Asegúrese de que la dirección IP no se encuentre en uso por otro dispositivo)
- Máscara de subred: 255.255.255.0 (similar a la dirección del router inalámbrico ASUS)
- Puerta de enlace: 192.168.1.1 (dirección IP del router inalámbrico ASUS)
- DNS: 192.168.1.1 (dirección IP del router inalámbrico ASUS) o asigne la dirección de algún servidor DNS conocido de su red

Windows® 9x/ME

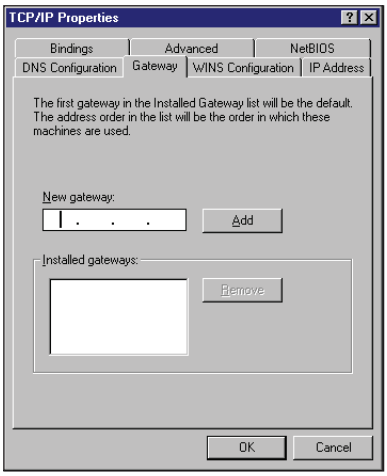
1. Haga clic en **Start (Inicio)** > **Control Panel (Panel de control)** > **Network (Red)** para abrir la ventana de configuración de red.
2. Seleccione **TCP/IP** y haga clic en **Properties (Propiedades)**.



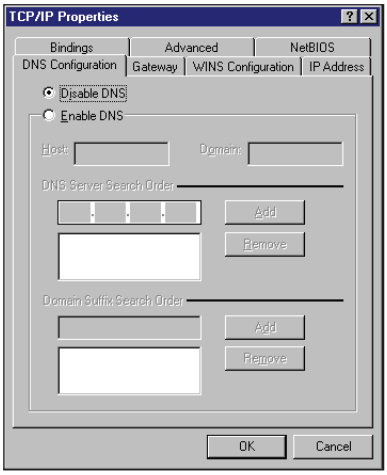
3. Si desea que su equipo reciba una dirección IP automáticamente, haga clic en **Obtain an IP address automatically (Obtener una dirección IP automáticamente)** y haga clic en **OK (Aceptar)**. De lo contrario, haga clic en **Specify an IP address (Usar la siguiente dirección IP)** e introduzca los parámetros **IP address (Dirección IP)** y **Subnet Mask (Máscara de subred)**.



4. Seleccione la ficha **Gateway (Puerta de enlace**), haga clic en **New gateway (Nueva puerta de enlace)** y después en **Add (Agregar)**.

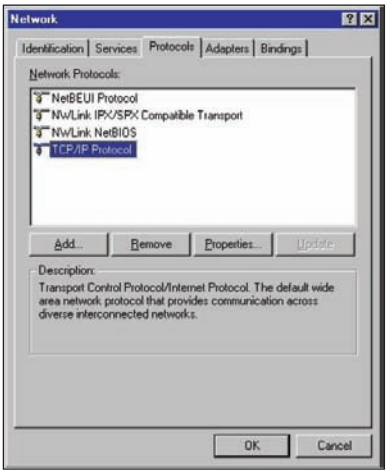


5. Seleccione la ficha **DNS Configuration** (**Configuración DNS)** y haga clic en **Enable DNS (Habilitar DNS)**. Introduzca los parámetros **Host (Equipo)**, **Domain (Dominio)** y **DNS Server Search Order (Orden de búsqueda de servidor DNS)** y haga clic en **Add (Agregar).**
6. Haga clic en **OK (Aceptar)**.

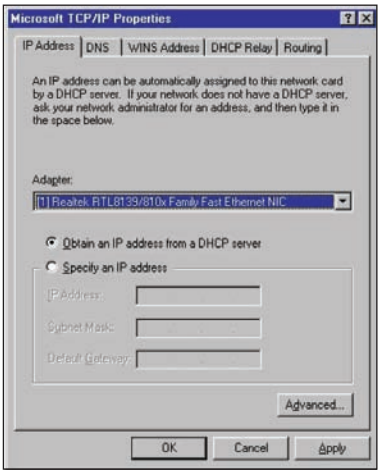


Windows® NT4.0

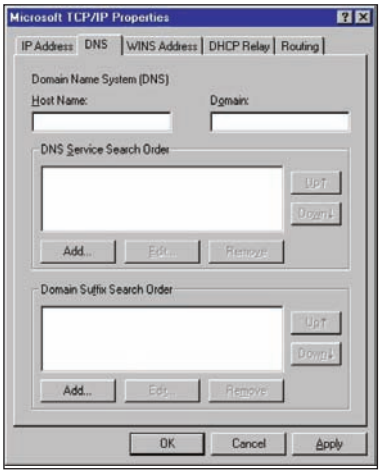
1. Acceda a **Control Panel (Panel de control)** > **Network (Red)** para abrir la ventana de configuración de red y seleccione la ficha **Protocols (Protocolos)**.
2. Seleccione **TCP/IP Protocol** (**Protocolo TCP/IP)** en la lista de protocolos de red y haga clic en **Properties (Propiedades)**.



3. En la ficha **IP Address (Dirección IP)** de la ventana **TCP/IP Properties** (**Propiedades de TCP/IP)** de Microsoft puede:
   - Seleccionar el tipo de adaptador de red instalado en su sistema.
   - Configurar el router para asignar automáticamente direcciones IP.
   - Configurar el router para asignar automáticamente direcciones IP.

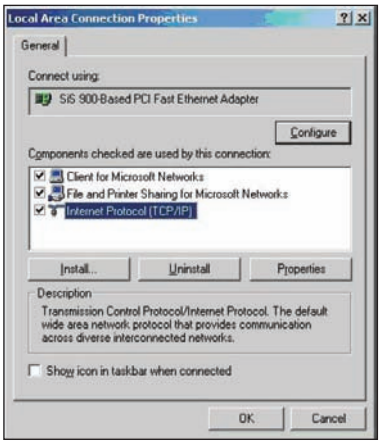


4. Seleccione la ficha DNS y haga clic en **Add (Agregar)** en **DNS Service Search Order (Direcciones de servidores DNS, por orden de utilización),** e introduzca la dirección de su DNS.

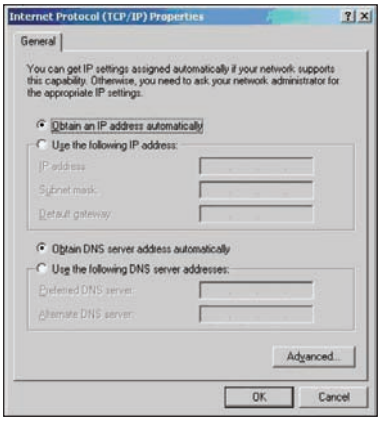


Windows® 2000

1. Haga clic en **Start (Inicio)** > **Control Panel (Panel de control)** > **Network and Dial-up Connection (Conexiones de red y acceso telefónico)**. Haga clic derecho en **Local Area Connection (Conexión de área local)** y seleccione **Properties (Propiedades)**.



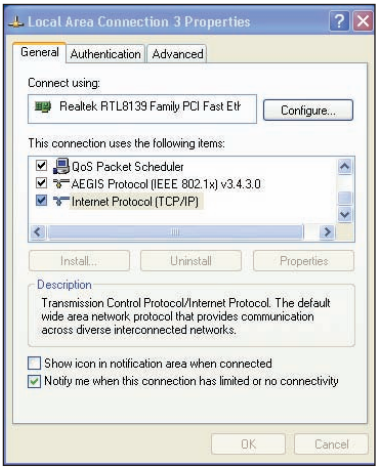
2. Seleccione **Internet Protocol (TCP/IP) (Protocolo Internet (TCP/IP))** y haga clic en **Properties (Propiedades)**.
3. Seleccione **Obtain an IP address automatically (Obtener una dirección IP automáticamente)** si desea recibir automáticamente la configuración IP. De lo contrario, seleccione **Use the following IP address (Usar la siguiente dirección IP)**: e introduzca los parámetros **IP address (Dirección IP)**, **Subnet mask (Máscara de subred)** y **Default gateway (Puerta de enlace predeterminada)**.



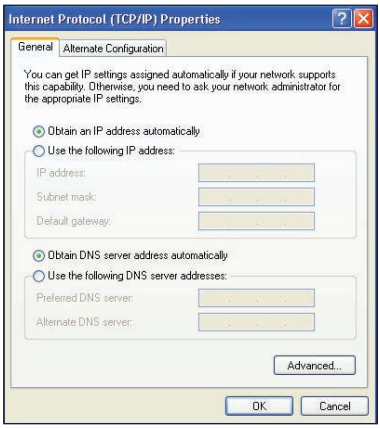
4. Seleccione **Obtain an IP address automatically (Obtener una dirección IP automáticamente)** si desea recibir automáticamente la configuración de los servidores DNS. De lo contrario, seleccione **Use the following DNS server address (Usar las siguientes direcciones de servidor DNS)**: e introduzca los parámetros Preferred **DNS server (Servidor DNS preferido)** y **Alternate DNS server (Servidor DNS alternativo)**.
5. Cuando haya terminado, haga clic en **OK (Aceptar)**.

Windows® XP

1. Haga clic en **Start (Inicio)** > **Control Panel (Panel de control)** > **Network Connection (Conexiones de Red)**. Haga clic con el botón secundario del ratón en **Local Area Connection (Conexión de área local)** y seleccione **Properties (Propiedades)**.



2. Seleccione **Internet Protocol (TCP/IP) (Protocolo Internet (TCP/IP))** y haga clic en **Properties (Propiedades)**.
3. Seleccione **Obtain an IP address automatically (Obtener una dirección IP automáticamente)** si desea recibir automáticamente la configuración IP. De lo contrario, seleccione **Use the following IP address (Usar la siguiente dirección IP)**: e introduzca los parámetros **IP address (Dirección IP)**, **Subnet mask (Máscara de subred)** y **Default gateway (Puerta de enlace predeterminada)**.
4. Seleccione **Obtain DNS server address automatically (Obtener la dirección del servidor DNS automáticamente)** si desea recibir automáticamente la configuración de los servidores DNS. De lo contrario, seleccione **Use the following DNS server addresses (Usar las siguientes direcciones de servidor DNS)**: e introduzca los parámetros **Preferred DNS server (Servidor DNS preferido)** y **Alternate DNS server (Servidor DNS alternativo)**.
5. Cuando haya terminado, haga clic en **OK (Aceptar).**



4 Configuración a través de la interfaz Web

Configuración a través de la interfaz Web

La interfaz gráfica de usuario Web (Web GUI) del router le permite configurar las siguientes características: **Settings (Configuración)**.

Configuración a través de la interfaz Web:

1. Después de configurar una conexión por cable o inalámbrica, abra un explorador Web. Aparecerá automáticamente la página de inicio de sesión.

Nota: También puede introducir manualmente la dirección IP predeterminada del router (**192.168.1.1**) para abrir su interfaz Web.

2. En la página de inicio de sesión, introduzca el nombre de usuario (**admin**) y la contraseña (**admin**) predeterminados.
3. Desde la página principal, haga clic en el menú de navegación o en los enlaces para configurar las distintas características del router inalámbrico ASUS.

Configurar las opciones

Esta página le permite configurar las opciones del router y su red. A través de ella podrá, por ejemplo, configurar las opciones: **Wireless (Red inalámbrica), LAN (Red LAN), WAN (Red WAN), Firewall, Administration (Administración)** y **System Log (Registro del sistema)**.

Para abrir la página Configuración:

- Haga clic en **Setting (Configuración)** en el menú de navegación situado en el lado izquierdo de su pantalla.

Actualización del firmware

Nota: Descargue la versión más reciente del firmware del sitio Web de ASUS, a través de la dirección **http://www.asus.com**

Para actualizar el firmware:

1. Haga clic en **Settings (Configuración)** en el menú de navegación situado en el panel izquierdo de su pantalla.
2. Desde el menú **Administration (Administración)**, haga clic en **Firmware Upgrade (Actualización de firmware)**.
3. En el campo **New Firmware File (Archivo de nuevo firmware)**, haga clic en **Browse (Examinar)** para localizar el firmware nuevo en su equipo.
4. Haga clic en **Upload (Enviar)**. El proceso de envío dura aproximadamente tres minutos.

Nota: Si falla el proceso de actualización el router entrará automáticamente en el modo de emergencia o fallo y el LED de alimentación del panel delantero parpadeará lentamente. Para recuperar o restaurar el sistema, utilice la utilidad **Firmware Restoration (Restauración de firmware)**. Para más información acerca de esta utilidad, consulte la sección Restauración del firmware en el Capítulo 5 del manual.

Restaurar / Guardar / Enviar configuración

Para restaurar / guardar / enviar la configuración:

1. Haga clic en **Settings (Configuración)** en el menú de navegación situado en el panel izquierdo de su pantalla.
2. En el menú **Administration (Administración)**, haga clic en **Restore/Save/ Upload Setting (Restaurar / Guardar / Enviar configuración)**.

3. Seleccione las tareas que desee realizar:
   - Para restaurar la configuración predeterminada de fábrica haga clic en **Restore (Restaurar)** y después en **OK (Aceptar)** en el mensaje de confirmación.
   - Para guardar la configuración actual del sistema, haga clic en **Save (Guardar)** y después **Save (Guardar)** en la ventana de descarga para guardar el archivo de sistema en la ruta que prefiera.
   - Para restaurar la configuración anterior del sistema, haga clic en **Browse (Explorar)** para localizar el archivo que desee restaurar y haga clic en **Upload (Enviar)**.

5 Instalación de las utilidades

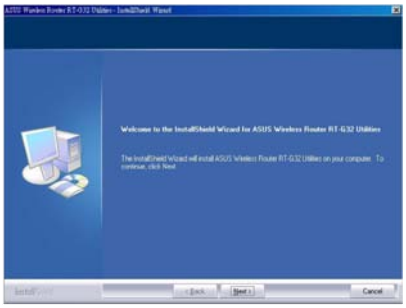
Instalación de las utilidades

El CD de soporte contiene las utilidades para configurar el router inalámbrico ASUS. Para instalar las utilidades WLAN de ASUS en Microsoft® Windows, inserte el CD de soporte en la unidad de CD. Si la función de ejecución automática está deshabilitada, ejecute el archivo setup.exe que encontrará en el directorio raíz del CD de soporte.

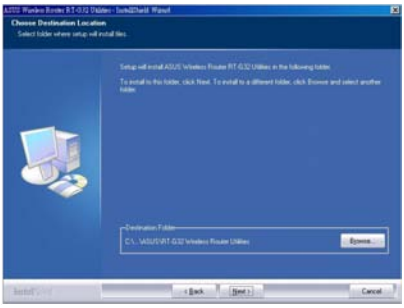
Para instalar las utilidades:

1. Haga clic en Install **ASUS Wireless Router Utilities (Instalar utilidades del router inalámbrico ASUS)**.

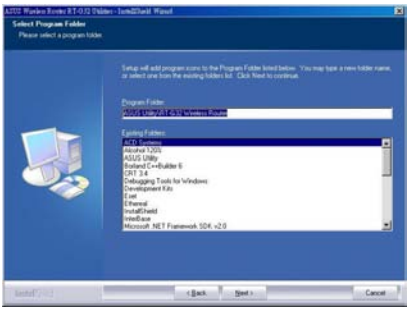
2. Haga clic en **Next (Siguiente)**.



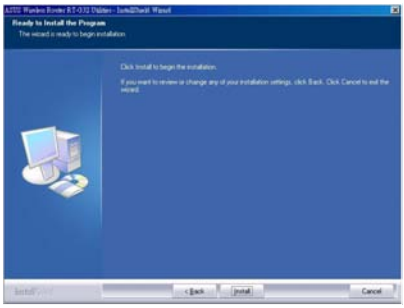
3. Haga clic en **Next (Siguiente)** para aceptar la carpeta de destino predeterminada o en **Browse (Explorar)** para especificar otra ruta.



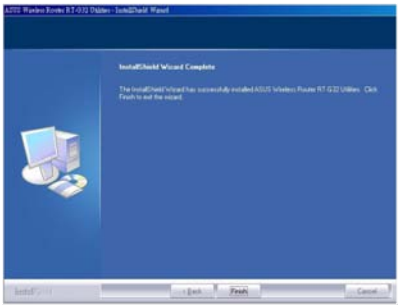
4. Haga clic en **Next (Siguiente)**.



5. Haga clic en **Install (Instalar)** para instalar la utilidad.



6. Haga clic en **Finish (Finalizar)** una vez finalizada la configuración.

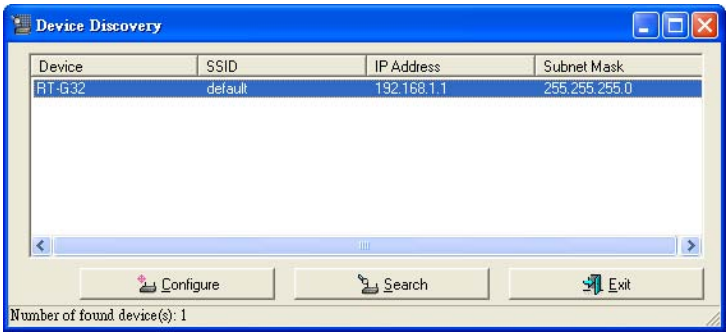


Detección de dispositivos

Device Discovery (Detección de dispositivos) es una utilidad ASUS WLAN que detecta routers inalámbricos ASUS y le permite configurar el dispositivo.

Para abrir la utilidad Device Discovery (Detección de dispositivos):

- esde el escritorio de su equipo, haga clic en **Start (Inicio) > All Programs (Todos los programas) > ASUS Utility (Utilidad ASUS) > RT-G32 Wireless Router (Router inalámbrico RT-G32) > Device Discovery (Detección de dispositivos)**.



Restauración de firmware

La utilidad Firmware Restoration (Restauración de firmware) permite buscar routers inalámbricos ASUS que han fallado durante una actualización y restaura o vuelve a enviar el firmware especificado. El proceso dura aproximadamente tres minutos.

NO utilice esta utilidad a menos que se haya enfrentado a situaciones anormales, por ejemplo, si el firmware se ha corrompido, si se ha producido un fallo durante una actualización o si ha experimentado un error de sistema.

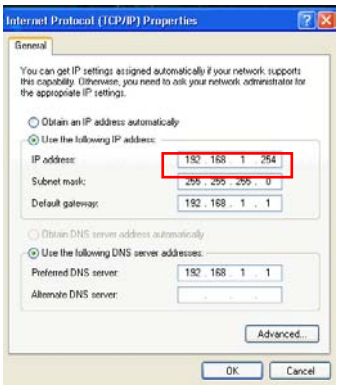
1. Descargue la versión más reciente del firmware y la utilidad desde nuestro sitio web, a través de la dirección (http://support.asus.com/download/download.aspx?SLanguage=en-us).
2. Descomprima la utilidad y ejecute el archivo **Setup.exe**. Haga clic en **Next (Siguiente)** para finalizar la instalación.

Asignar manualmente la dirección IP

Haga clic en **Start (Inicio) > Control Panel (Panel de control) > Network Connection (Conexiones de Red)**. Haga clic con el botón secundario en **Local Area Connection (Conexión de área local)** y seleccione **Properties (Propiedades)**.

Defina manualmente la dirección IP (192.168.1.254).

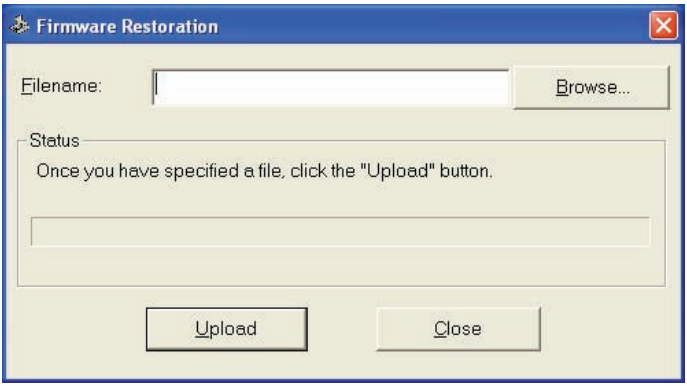
- Recomendamos el uso de una conexión por cable y la configuración manual de la dirección IP con el fin de crear un entorno de transmisión ideal.
- Asegúrese de que el firewall del PC está deshabilitado.



3. Apague el router inalámbrico, mantenga pulsado el botón de reinicio y vuelva a encender entonces el dispositivo. El dispositivo inalámbrico entrará en el modo de rescate después de que comience a parpadear el indicador LED WLAN.

¡NO apague ni reinicie el dispositivo durante la actualización del firmware! ¡Si lo hace, podría provocar un error de inicio de sistema!

4. Desde su escritorio de Windows®, haga clic en **Start (Inicio) > All Programs (Todos los programas) > ASUS Utility (Utilidad ASUS) > RT-G32 Wireless Router (Router inalámbrico RT-G32) > Firmware Restoration (Restauración de firmware)**.
5. Haga clic en **Browse (Examinar)** para seleccionar el archivo de firmware y después en **Upload (Cargar)**.



6. El dispositivo se reiniciará automáticamente una vez cargado el firmware con éxito.

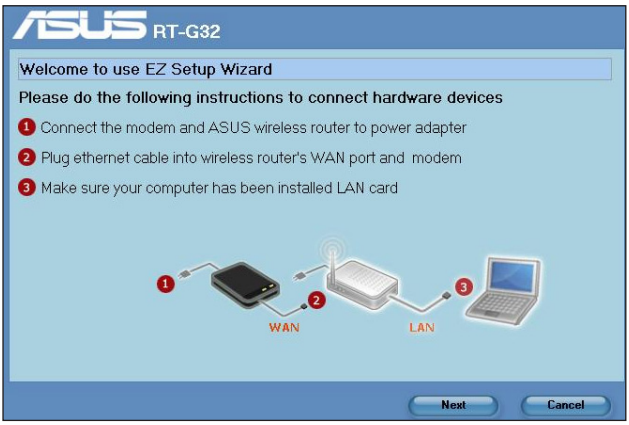
EZSetup

EZSetup es una utilidad que le permitirá configurar fácilmente su red inalámbrica.

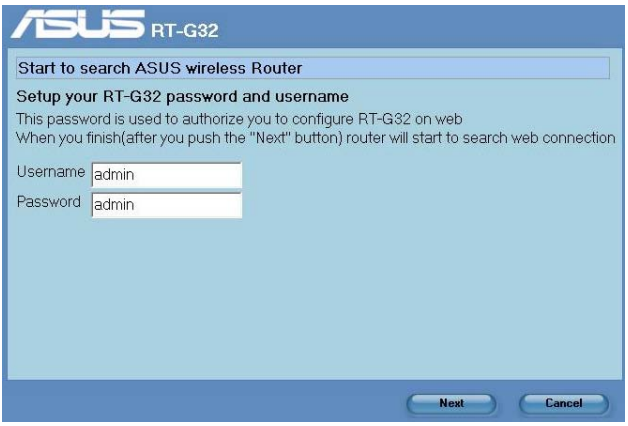
Antes de instalar EZSetup, asegúrese de que el router RT-G32 está conectado al módem o al PC utilizando un cable RJ45.

Para utilizar la utilidad EZSetup:

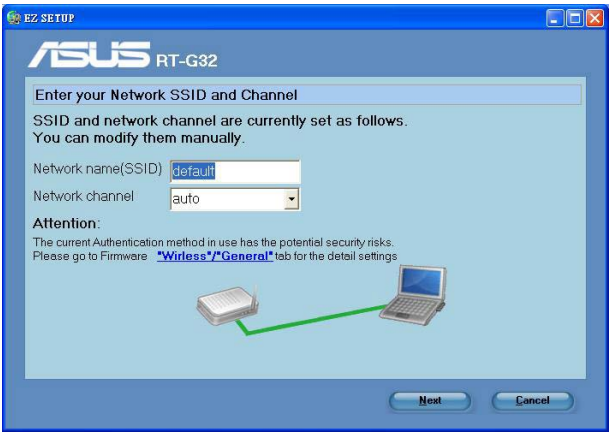
1. Siga las instrucciones para conectar el dispositivo hardware. Cuando haya finalizado, haga clic en **Next (Siguiente)**.



2. Introduzca el nombre de usuario y la contraseña para configurar el router inalámbrico en la web. Cuando haya finalizado, haga clic en **Next (Siguiente)**.

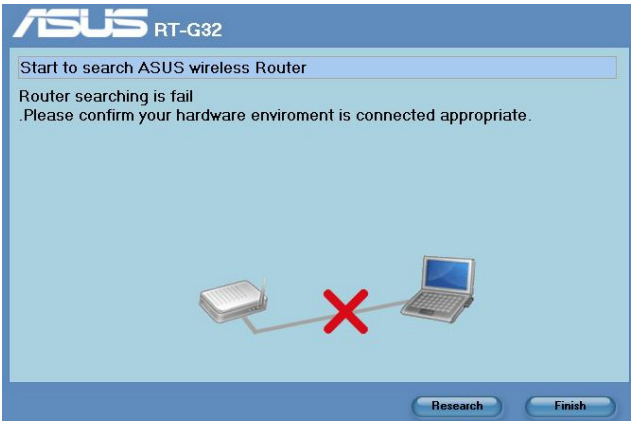


3. Una vez configurado el parámetro SSID de la red y el canal de conexión, haga clic en **Next (Siguiente)** para continuar.



(Conectando)

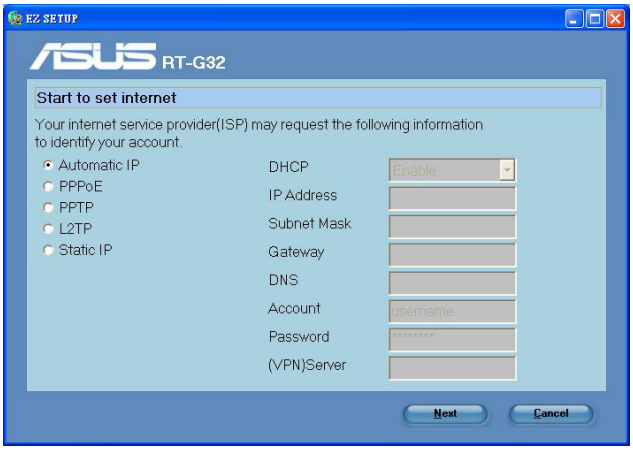
Si la conexión falla, asegúrese de que el entorno hardware está conectado correctamente y haga clic en **Re-search (Volver a buscar)** para buscar de nuevo.



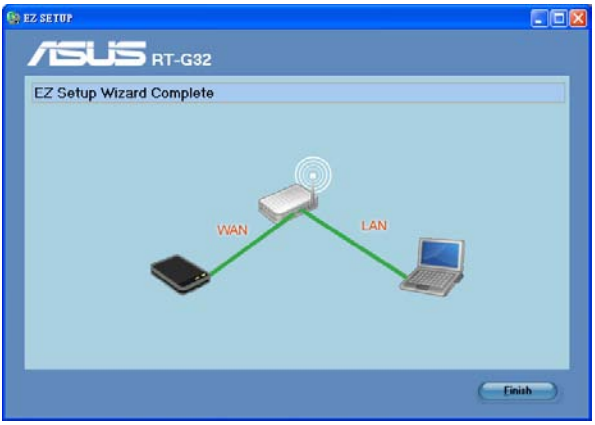
(Error en la conexión)

4. Haga clic en **Next (Siguiente)** para configurar los parámetros de conexión básicos de su proveedor de servicios de Internet. Haga clic en **Finish (Finalizar)** para finalizar la configuración de las redes internas.

5. Seleccione su tipo de conexión entre los siguientes tipos de servicios de proveedor de servicios de Internet: **Automatic IP (Dirección IP automática), PPPoE, PPTP, L2TP,** y **Static IP (Dirección IP estática)**. Introduzca la información necesaria para su tipo de conexión de proveedor de servicios de Internet. Cuando haya finalizado, haga clic en **Next (Siguiente)**.



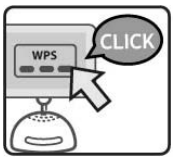
6. Una vez realizada la configuración, haga clic en **Finish (Finalizar)**.



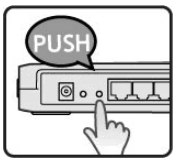
Configuración del botón WPS Quick

Si conecta al equipo un adaptador inalámbrico (como el adaptador ASUS USB-N11 o PCI-G31) con función WPS, siga las instrucciones siguientes para habilitar la configuración WPS Quick.

1. Para poder utilizar la función WPS, asegúrese de que tanto el router inalámbrico RT-G32 como el equipo conectado a la red inalámbrica tengan la función WPS habilitada.



2. Presione el botón WPS situado en el panel trasero del router inalámbrico RT-G32.



3. El indicador LED WLAN del router RT-G32 se iluminará y parpadeará lentamente una vez establecida la conexión WPS.

Resolución de problemas 6

Resolución de problemas

Esta sección ofrece soluciones a algunos de los problemas más comunes a los que podría enfrentarse durante la instalación o el uso del router inalámbrico ASUS. Estos problemas pueden solucionarse realizando sencillas operaciones que puede llevar a cabo usted mismo. Póngase en contacto con el Departamento de asistencia técnica de ASUS si su problema no se menciona en este capítulo.

Problema	Acción
No puedo acceder al explorador Web para configurar el router.	1. Abra un explorador Web y haga clic en **Tools (Herramientas) > Internet Options... (Opciones de Internet...)** 2. En **Temporary Internet files (Archivos temporales de Internet),** haga clic en **Delete Cookies... (Eliminar cookies...)** y **Delete Files... (Eliminar archivos...)**
El cliente no puede establecer una conexión inalámbrica con el router.	**Se encuentra fuera del alcance de la red:** • Coloque el router más cerca del cliente inalámbrico. • Intente cambiar el canal. **Autenticación:** • Utilice la conexión por cable para conectarse al router. • Consulte la configuración de seguridad inalámbrica. • Mantenga pulsado el botón **Restore (Restaurar)** situado en el panel posterior durante más de cinco segundos. **No se encuentra el router:** • Mantenga pulsado el botón **Restore (Restaurar)** durante más de cinco segundos. • Consulte la configuración del adaptador inalámbrico, como el identificador SSID y la configuración de cifrado.

Problema	Acción
No se puede acceder a Internet por medio del adaptador de red LAN inalámbrica	• Coloque el router más cerca del cliente inalámbrico. • Compruebe si el adaptador inalámbrico está conectado al router inalámbrico correcto. • Compruebe si el canal inalámbrico en uso se puede utilizar en su zona/país. • Consulte la configuración de cifrado. • Consulte si la conexión de ADSL o Cable es correcta. • Vuelva a intentarlo utilizando otro cable Ethernet.
No es posible acceder a Internet	• Compruebe los indicadores luminosos del módem ADSL y el router inalámbrico. • Compruebe si el indicador LED WAN del router inalámbrico está ENCENDIDO. Si el LED no está ENCENDIDO, cambie el cable e inténtelo de nuevo.
Si está ENCENDIDO (no parpadeando) el indicador "Link" del Módem ADSL, significa que es posible acceder a Internet.	• Reinicie su equipo. • Consulte la Guía de inicio rápido del router inalámbrico y vuelva a configurar las opciones. • Compruebe si el indicador LED WAN del router inalámbrico está ENCENDIDO. • Consulte la configuración de cifrado inalámbrico. • Compruebe si el equipo obtiene una dirección IP (tanto a través de la red inalámbrica como a través de la red de cable). • Asegúrese de que el explorador Web esté configurado para utilizar la red local LAN y no para utilizar un servidor proxy.
Si el indicador luminoso "LINK" del Módem ADSL permanece iluminado o apagado, significa que no es posible acceder a Internet; el router no puede establecer una conexión con la red ADSL.	• Asegúrese de que todos los cables estén conectados correctamente. • Desconecte el cable de alimentación del módem de ADSL o Cable, espere unos minutos y vuelva a conectarlo. • Si el indicador ADSL continúa parpadeando o permanece APAGADO, póngase en contacto con su proveedor de servicios de ADSL.
He olvidado el nombre de la red o las claves de cifrado	• Intente establecer una conexión por cable y configure entonces el cifrado inalámbrico. • Mantenga pulsado el botón Restore (Restaurar) situado en el panel posterior del router inalámbrico durante más de cinco segundos.

Problema	Acción
Cómo restaurar el sistema a su configuración predeterminada	• Mantenga pulsado el botón Restore (Restaurar) situado en el panel trasero del router inalámbrico durante más de cinco segundos. • Consulte la sección Restoring to the default settings (Restaurar la configuración predeterminada) en el Capítulo 4 de este manual de usuario. A continuación se indican los valores predeterminados de fábrica del dispositivo: **Nombre de usuario:** admin **Contraseña:** admin **Habilitar DHCP:** Sí (si el cable WAN está conectado) **Dirección IP:** 192.168.1.1 **Nombre de dominio:** (Vacío) **Máscara de subred:** 255. 255. 255.0 **Servidor DNS 1:** 192.168.1.1 **Servidor DNS 2:** (Vacío) **Identificador SSID:** default

Notas

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Version 2, June 1991

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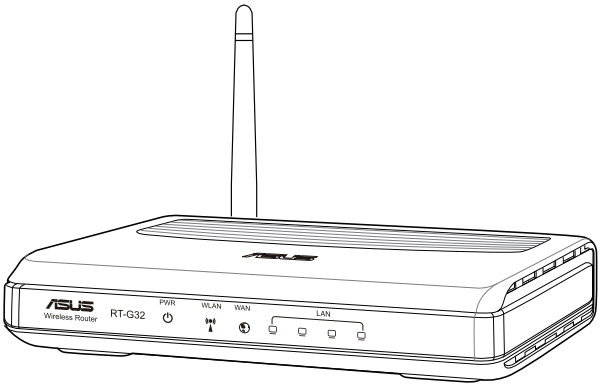
Dirección web	www.asus.com.de/news

* En este sitio existe un formulario de consultas técnicas a su disposición que puede rellenar para ponerse en contacto con el departamento de asistencia técnica.

RT-G32
ไวร์เลส เราเตอร์



คู่มือผู้ใช้

TH4264
การแก้ไขครั้งแรก
พฤศจิกายน 2008

สารบัญ

สารบัญ

เกี่ยวกับคู่มือนี้

คู่มือนี้ประกอบด้วยข้อมูลที่คุณจำเป็นในการติดตั้งและตั้งค่าคอนฟิก ASUS ไวร์เลส เราเตอร์

คู่มือนี้มีการจัดการอย่างไร

คู่มือนี้ประกอบด้วยส่วนต่อไปนี้:

- **บทที่ 1: ทำความรู้จักไวร์เลส เราเตอร์ของคุณ**
  บทนี้จะให้ข้อมูลเกี่ยวกับรายการที่อยู่ในกล่องบรรจุ, ความต้องการของระบบ, คุณสมบัติของฮาร์ดแวร์ และไฟแสดงสถานะ LED ของ ASUS ไวร์เลส เราเตอร์

- **บทที่ 2: การตั้งค่าฮาร์ดแวร์**
  บทนี้จะให้ขั้นตอนในการติดตั้ง, การเข้าถึง และการตั้งค่าคอนฟิก ASUS ไวร์เลส เราเตอร์

- **บทที่ 3: การตั้งค่าคอนฟิกเน็ตเวิร์กไคลเอ็นต์**
  บทนี้จะให้ขั้นตอนในการตั้งค่าไคลเอ็นต์ในเครือข่ายของคุณเพื่อทำงานกับ ASUS ไวร์เลส เราเตอร์

- **บทที่ 4: การตั้งค่าคอนฟิกผ่านเว็บ GUI**
  บทนี้ให้ขั้นตอนเกี่ยวกับการตั้งค่าคอนฟิก ASUS ไวร์เลส เราเตอร์โดยใช้ระบบติดต่อผู้ใช้แบบกราฟฟิกบนเว็บ (เว็บ GUI)

- **บทที่ 5: การติดตั้งยูทิลิตี้**
  บทนี้ให้ข้อมูลเกี่ยวกับยูทิลิตี้ที่มีให้บนแผ่น CD สนับสนุน

- **บทที่ 6: การแก้ไขปัญหา**
  บทนี้จะให้คำแนะนำในการแก้ไขปัญหาสำหรับปัญหาทั่วไปที่คุณอาจพบเมื่อใช้ ASUS ไวร์เลส เราเตอร์

- **ภาคผนวก**
  บทนี้ให้ข้อมูลเกี่ยวกับประกาศของระเบียบข้อบังคับและความปลอดภัยต่างๆ

ข้อกำหนดที่ใช้ในคู่มือนี้

คำเตือน: ข้อมูลเพื่อป้องกันไม่ให้เกิดการบาดเจ็บ เมื่อพยายามปฏิบัติงานให้สำเร็จ

ข้อควรระวัง: ข้อมูลเพื่อป้องกันความเสียหายต่อชิ้นส่วนต่างๆ เมื่อพยายามปฏิบัติงานให้สำเร็จ

สำคัญ: ข้อมูลที่คุณต้องปฏิบัติตามเพื่อทำงานให้สำเร็จ

หมายเหตุ: เทคนิคและข้อมูลเพิ่มเติมเพื่อช่วยเหลือในการทำงานให้สำเร็จ

1 ทำความรู้จักไวร์เลส เราเตอร์ของคุณ

สิ่งต่างๆ ในกล่องบรรจุ

ตรวจสอบสิ่งต่อไปนี้ในกล่องบรรจุ ASUS ไวร์เลส เราเตอร์ของคุณ

- ☑ RT-G32 ไวร์เลส เราเตอร์
- ☑ อะแดปเตอร์เพาเวอร์
- ☑ แผ่น CD สนับสนุน (คู่มือ, ยูทิลิตี้)
- ☑ สายเคเบิล RJ45
- ☑ คู่มือเริ่มต้นอย่างเร็ว

หมายเหตุ: ถ้ามีรายการใดๆ เสียหายหรือหายไป ให้ติดต่อร้านค้าปลีกที่คุณซื้อมา

ความต้องการของระบบ

ก่อนที่จะติดตั้ง ASUS ไวร์เลส เราเตอร์ ตรวจดูให้แน่ใจว่าระบบ/เครือข่ายของคุณมีคุณสมบัติตรงตามความต้องการต่อไปนี้:

- พอร์ตอีเธอร์เน็ต RJ-45 (10Base-T/100Base-TX)
- อุปกรณ์ IEEE 802.11b/g ที่มีความสามารถไร้สายอย่างน้อยหนึ่งอย่าง
- TCP/IP และอินเตอร์เน็ตเบราเซอร์ที่ติดตั้งไว้แล้ว
- สนับสนุน Internet Explorer 6.0 ขึ้นไป

ก่อนที่จะดำเนินการ

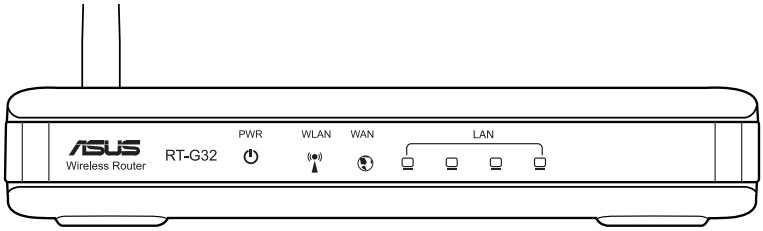
สังเกตคำแนะนำต่อไปนี้ก่อนที่จะติดตั้ง ASUS ไวร์เลส เราเตอร์:

- ความยาวของสายเคเบิลอีเธอร์เน็ตที่เชื่อมต่ออุปกรณ์เข้ากับเครือข่าย (ฮับ, โมเด็ม ADSL/เคเบิล, เราเตอร์, แผงที่ผนัง) ต้องไม่เกิน 100 เมตร
- โปรดวางอุปกรณ์บนพื้นผิวที่เรียบ และมั่นคง โดยอยู่ไกลจากพื้นมากที่สุดเท่าที่จะเป็นไปได้
- วางอุปกรณ์ให้ห่างจากวัตถุขวางกั้นที่เป็นโลหะ และไม่ให้ถูกแสงแดดโดยตรง
- วางอุปกรณ์ให้ห่างจากหม้อแปลง, มอเตอร์ที่มีพลังงานสูง, หลอดฟลูออเรส-เซนต์, เตาไมโครเวฟ, ตู้เย็น และอุปกรณ์อุตสาหกรรมอื่นๆ เพื่อป้องกันการสูญเสียสัญญาณ

- ติดตั้งอุปกรณ์ในบริเวณศูนย์กลางพื้นที่ เพื่อให้ส่งสัญญาณครอบคลุมพื้นที่สำหรับอุปกรณ์มือถือไร้สายทั้งหมด
- ติดตั้งอุปกรณ์ห่างจากบุคคลอย่างน้อย 20 ซม. เพื่อประกันว่าผลิตภัณฑ์จะทำงานสอดคล้องตามค่าแนะนำสำหรับการสัมผัสถูก RF ของมนุษย์ที่ประกาศใช้โดยคณะกรรมการการสื่อสารแห่งชาติ

คุณสมบัติของฮาร์ดแวร์

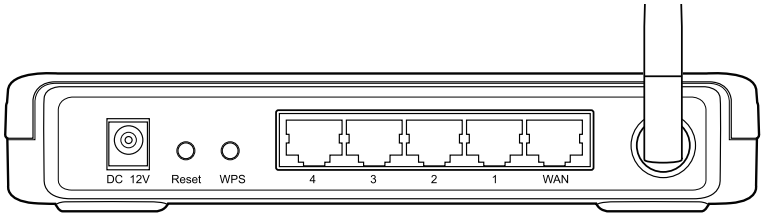
แผงด้านหน้า



ตัวแสดงสถานะ

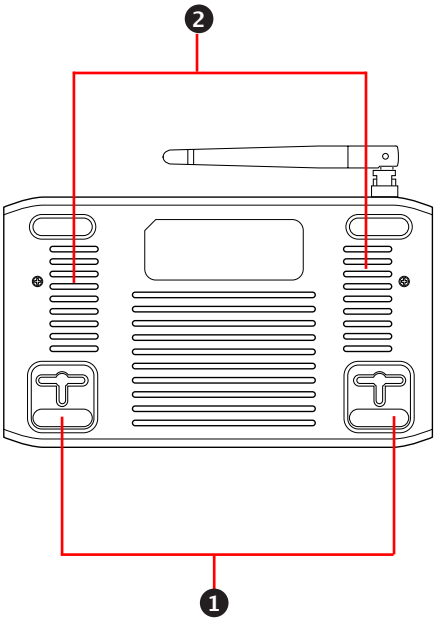
LED	สถานะ	ความหมาย
⏻ (เพาเวอร์)	ดับ	ไม่มีพลังงานเข้า
	ติด	ระบบพร้อม
WLAN (ไวร์เลส LAN)	ดับ	ไม่มีพลังงานเข้า
	ติด	ระบบไร้สายพร้อม
	กะพริบ	กำลังส่งหรือรับข้อมูล (ไร้สาย)
LAN 1-4 (เครือข่ายในพื้นที่)	ดับ	ไม่มีพลังงานเข้า หรือไม่มีการเชื่อมต่อทางกายภาพ
	ติด	มีการเชื่อมต่อทางกายภาพไปยังเครือข่ายอีเธอร์เน็ต
	กะพริบ	กำลังส่งหรือรับข้อมูล (ผ่านสายเคเบิลอีเธอร์เน็ต)
WAN (เครือข่ายบริเวณกว้าง)	ดับ	ไม่มีพลังงานเข้า หรือไม่มีการเชื่อมต่อทางกายภาพ
	ติด	มีการเชื่อมต่อทางกายภาพไปยังเครือข่ายอีเธอร์เน็ต
	กะพริบ	กำลังส่งหรือรับข้อมูล (ผ่านสายเคเบิลอีเธอร์เน็ต)

แผงด้านหลัง



ข้อความ	คำอธิบาย
เสาอากาศ	ปรับเสาอากาศแบบแมนนวล เพื่อให้ได้การรับสัญญาณที่ดีขึ้น
WPS	กดปุ่มนี้เพื่อเปิดการตั้งค่า Wi-Fi ที่มีการป้องกัน (WPS)
รีเซ็ต	กดเป็นเวลา 3 วินาที เพื่อกู้คืนกลับเป็นการตั้งค่าเริ่มต้นจากโรงงาน
WAN	เชื่อมต่อสายเคเบิลอีเธอร์เน็ต RJ-45 เข้ากับพอร์ตนี้ เพื่อสร้างการเชื่อมต่อ WAN
LAN1-LAN4	เชื่อมต่อสายเคเบิลอีเธอร์เน็ต RJ-45 เข้ากับพอร์ตเหล่านี้ เพื่อสร้างการเชื่อมต่อ LAN
DC 12V	เสียบอะแดปเตอร์ DC เข้ากับพอร์ตนี้ เพื่อเชื่อมต่อเราเตอร์ของคุณเข้ากับแหล่งพลังงาน

แผงด้านหลัง



รายการ	คำอธิบาย
1	**ขอเกี่ยวสำหรับยึด** ใช้ขอเกี่ยวสำหรับยึดเพื่อยึดเราเตอร์ของคุณบนผนังคอนกรีตหรือพื้นผิวไม้ โดยใช้สกรูหัวกลม 2 ตัว
2	**ช่องระบายอากาศ** ช่องเหล่านี้มีไว้เพื่อระบายอากาศในเราเตอร์ของคุณ

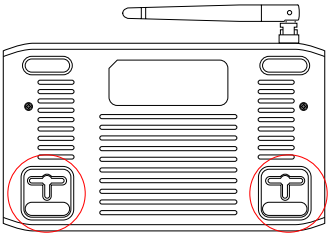
หมายเหตุ: สำหรับรายละเอียดในการยึดเราเตอร์ของคุณบนผนังหรือเพดาน ให้ดูส่วน **ตัวเลือกในการยึด** ในหน้าถัดไปของของคู่มือผู้ใช้นี้

ตัวเลือกในการยึด

ASUS ไวร์เลส เราเตอร์ ได้รับการออกแบบให้วางบนพื้นผิวที่เรียบ เช่นบนตู้ หรือชั้นหนังสือ นอกจากนี้ คุณยังสามารถแปลงเครื่องสำหรับแขวนที่ผนังหรือเพดานได้ด้วย

ในการยึด ASUS ไวร์เลส เราเตอร์:

1. มองข้างใต้เครื่อง สำหรับที่เกี่ยวสำหรับยึดสองอัน
2. ทำเครื่องหมายรูด้านบน 2 รูบนพื้นผิวที่เรียบ
3. ไขสกรูสองตัว จนกระทั่งมีเหลือยื่นออกมาจากผนัง 1/4"
4. แขวนที่เกี่ยวของ ASUS ไวร์เลส เราเตอร์ลงบนสกรู



หมายเหตุ: ปรับสกรูใหม่ ถ้าคุณไม่สามารถแขวน ASUS ไวร์เลส เราเตอร์บนสกรูได้ หรือถ้ายึดไว้หลวมเกินไป

2 การตั้งค่าฮาร์ดแวร์

การตั้งค่าไวร์เลส เราเตอร์

ASUS ไวร์เลส เราเตอร์ มีการตั้งค่าคอนฟิเกอเรชั่นที่เหมาะกับสถานการณ์การทำงานแบบต่างๆ คุณอาจจำเป็นต้องเปลี่ยนแปลงการตั้งค่าเริ่มต้นของเราเตอร์เพื่อให้ตรงกับความต้องการในสภาพแวดล้อมการทำงานแบบไร้สายของคุณ เราเตอร์ยังมี EZSetup ซึ่งเป็นยูทิลิตี้ที่ช่วยให้คุณตั้งค่าเครือข่ายไร้สายที่มีระบบป้องกันได้อย่างง่ายดาย

หมายเหตุ:

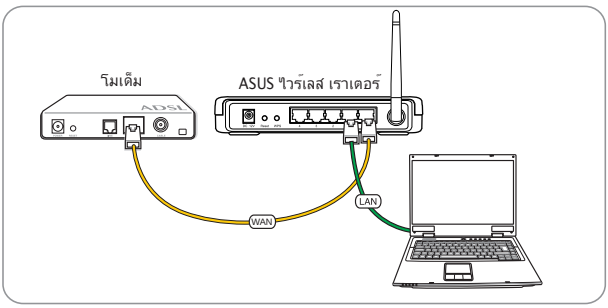
- สำหรับรายละเอียดเพิ่มเติมเกี่ยวกับ EZSetup, ให้ดูส่วน **EZSetup** ในบทที่ 5 ของคู่มือผู้ใช้นี้

การตั้งค่าการเชื่อมต่อแบบมีสาย

ASUS ไวร์เลส เราเตอร์ ให้สายเคเบิลอีเธอร์เน็ตมาในกล่องบรรจุ ไวร์เลส เราเตอร์มีฟังก์ชั่นครอสโอเวอร์อัตโนมัติในตัว ดังนั้น คุณจึงสามารถใช้ทั้งสายตรง หรือสายครอสโอเวอร์สำหรับการเชื่อมต่อแบบมีสายได้

ในการตั้งค่าการเชื่อมต่อแบบมีสาย:

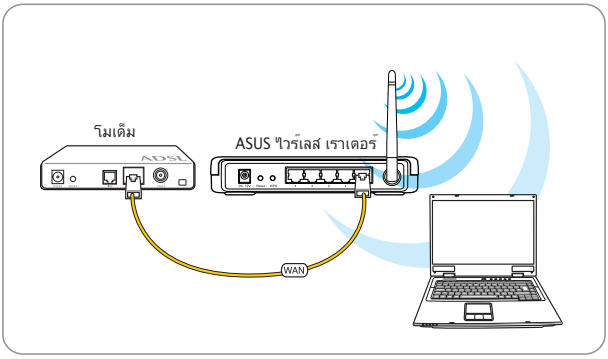
1. เปิดเราเตอร์และโมเด็มของคุณ
2. เชื่อมต่อพอร์ต WAN ของเราเตอร์กับโมเด็มด้วยการใช้สายเคเบิลอีเธอร์เน็ต
3. เชื่อมต่อพอร์ต LAN ของเราเตอร์เข้ากับพอร์ต LAN ของพีซีด้วยการใช้สายเคเบิล
   อีเธอร์เน็ตอีกเส้นหนึ่ง



การตั้งค่าการเชื่อมต่อแบบไร้สาย

ในการตั้งค่าการเชื่อมต่อแบบไร้สาย:

1. เปิดเราเตอร์และโมเด็มของคุณ
2. เชื่อมต่อโมเด็มเข้ากับพอร์ต WAN ของเราเตอร์ด้วยการใช้สายเคเบิลอีเธอร์เน็ต
3. เชื่อมต่อ การ์ด WLAN ที่มีคุณสมบัติ IEEE 802.11b/g ให้อ่านคู่มือผู้ใช้อะแดป-เตอร์ไร้สายของคุณ สำหรับขั้นตอนการเชื่อมต่อแบบไร้สาย ตามค่ามาตรฐานแล้ว SSID ของ ASUS ไวร์เลส เราเตอร์คือ “default” (ตัวพิมพ์เล็ก), ปิดการทำงานการเข้ารหัส และเปิดการรับรองตัวบุคคลของระบบไว้



การตั้งค่าคอนฟิกไวร์เลส เราเตอร์

ASUS ไวร์เลส เราเตอร์ มีระบบติดต่อผู้ใช้แบบกราฟฟิกบนเว็บ (เว็บ GUI) ซึ่งอนุญาตให้คุณตั้งค่าคอนฟิกไวร์เลส เราเตอร์โดยใช้เว็บเบราเซอร์บนคอมพิวเตอร์ของคุณ

การใช้เว็บ GUI

ถ้าพีซีของคุณเชื่อมต่อไปยังเราเตอร์โดยใช้สายเคเบิล ให้เปิดเว็บเบราเซอร์ และหน้าเข้าระบบของเว็บ GUI ของเราเตอร์ จะเปิดขึ้นโดยอัตโนมัติ

ถ้าพีซีของคุณเชื่อมต่อไปยังเราเตอร์แบบไร้สาย คุณต้องเลือกเครือข่ายก่อน

ในการเลือกเครือข่าย:

1. คลิก **Start (เริ่ม)** > **Control Panel (แผงควบคุม)** > **Network Connections (การเชื่อมต่อเครือข่าย)** > **Wireless Network Connection (การเชื่อมต่อเครือข่ายไร้สาย)**
2. เลือกเครือข่ายจากหน้าต่าง **Choose a wireless network (เลือกเครือข่ายไร้สาย)**
   รอให้ระบบเชื่อมต่อ

หมายเหตุ: ตามค่าเริ่มต้น SSID ของไวร์เลส เราเตอร์คือ **default** เชื่อมต่อไปยัง SSID เริ่มต้นนี้

3. หลังจากการสร้างการเชื่อมต่อไร้สาย ให้เปิดเว็บเบราเซอร์

หมายเหตุ:

- คุณอาจต้องป้อน IP แอดเดรสเริ่มต้นของเราเตอร์ (**192.168.1.1**) เข้าไปด้วยตัวเองเพื่อเปิดระบบติดต่อบนเว็บของเราเตอร์
- สำหรับรายละเอียดเพิ่มเติมเกี่ยวกับการตั้งค่าคอนฟิกไวร์เลส เราเตอร์ของคุณโดยใช้เว็บ GUI, ให้ดู **บทที่ 4: การตั้งค่าคอนฟิกผ่านเว็บ GUI**

3 การตั้งค่าคอนฟิกเน็ตเวิร์กไคลเอ็นต์

การเข้าถึงไวร์เลส เราเตอร์

การตั้งค่า IP แอดเดรสสำหรับไคลเอ็นต์แบบมีสาย และไร้สาย

ในการเข้าถึง ASUS ไวร์เลส เราเตอร์ คุณต้องมีการตั้งค่า TCP/IP ที่ถูกต้องบนไคลเอ็นต์ทั้งแบบมีสาย หรือไร้สายของคุณ ตรวจดูให้แน่ใจว่า IP แอดเดรสของไคลเอ็นต์อยู่ภายในซับเน็ตเดียวกันกับ ASUS ไวร์เลส เราเตอร์

ตามค่าเริ่มต้น ASUS ไวร์เลส เราเตอร์จะมีฟังก์ชั่น DHCP เซิร์ฟเวอร์ ซึ่งจะกำหนด IP แอดเดรสให้กับไคลเอ็นต์ในระบบเครือข่ายของคุณโดยอัตโนมัติ

แต่ในบางสถานการณ์ คุณอาจต้องการกำหนดสแตติก IP แอดเดรสบนไคลเอ็นต์หรือคอมพิวเตอร์บางเครื่องในระบบเครือข่ายของคุณแบบแมนนวลแทนที่จะรับ IP แอดเดรสจากไวร์เลส เราเตอร์ของคุณโดยอัตโนมัติ

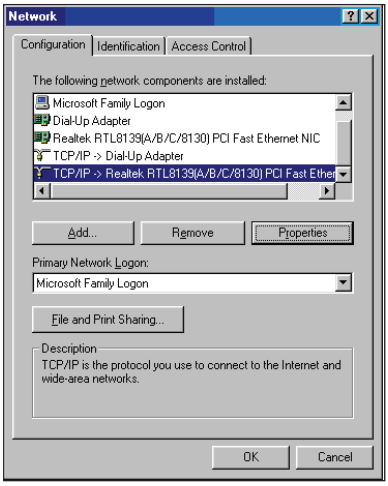
ปฏิบัติตามขั้นตอนด้านล่างตามระบบปฏิบัติการที่ติดตั้งบนไคลเอ็นต์หรือคอมพิวเตอร์ของคุณ

หมายเหตุ: ถ้าคุณต้องการกำหนด IP แอดเดรสให้กับไคลเอ็นต์ของคุณแบบแมนนวล เราแนะนำให้คุณใช้การตั้งค่าต่อไปนี้:

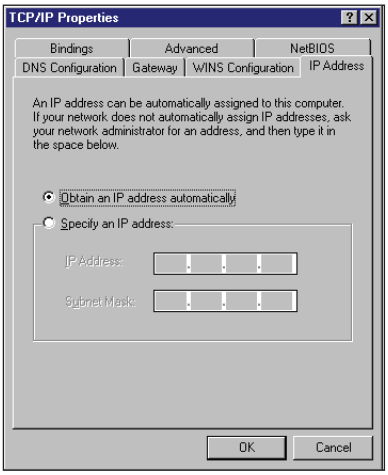
- **IP แอดเดรส**: 192.168.1.xxx (xxx สามารถเป็นตัวเลขใดก็ได้ระหว่าง 2 ถึง 254 ตรวจดูให้แน่ใจว่า IP แอดเดรสไม่ได้ถูกใช้โดยอุปกรณ์อื่น)
- **ซับเน็ต มาสก์**: 255.255.255.0 (เหมือนกับ ASUS ไวร์เลส เราเตอร์)
- **เกตเวย์**: 192.168.1.1 (IP แอดเดรสของ ASUS ไวร์เลส เราเตอร์)
- **DNS**: 192.168.1.1 (ASUS ไวร์เลส เราเตอร์) หรือกำหนดเป็น DNS เซิร์ฟเวอร์ที่รู้จักในเครือข่ายของคุณ

Windows® 9x/ME

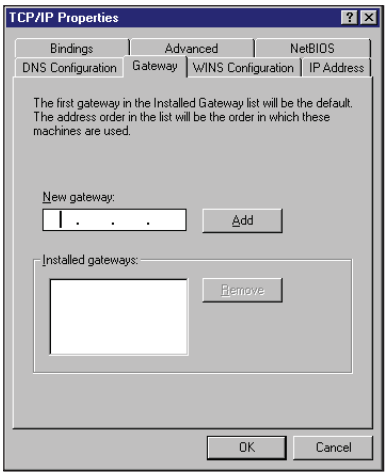
1. คลิก **Start (เริ่ม)** > **Control Panel (แผงควบคุม)** > **Network (เครือข่าย)** เพื่อแสดงหน้าต่าง Network setup (การตั้งค่าเครือข่าย)
2. เลือก **TCP/IP (TCP/IP)** จากนั้นคลิก **Properties (คุณสมบัติ)**



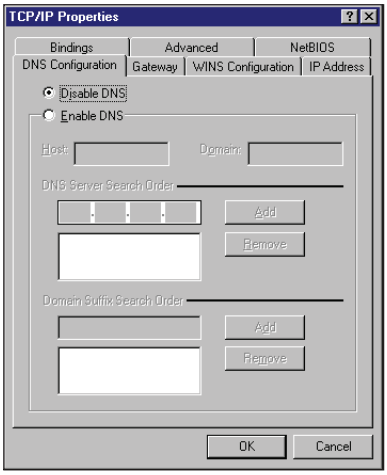
3. ถ้าคุณต้องการให้คอมพิวเตอร์รับ IP แอดเดรสโดยอัตโนมัติ, คลิก **Obtain an IP address automatically (รับ IP แอดเดรสโดยอัตโนมัติ)** จากนั้นคลิก OK (ตกลง) ไม่เช่นนั้น คลิก **Specify an IP address (ระบุ IP แอดเดรส),** จากนั้นพิมพ์ลงในช่อง **IP address (IP แอดเดรส)** และ **Subnet Mask (ซับเน็ต มาสก์)**



4. เลือกแท็บ **Gateway (เกตเวย์)**, และป้อนค่าใน **New gateway (เกตเวย์ใหม่)** จากนั้นคลิก **Add (เพิ่ม)**

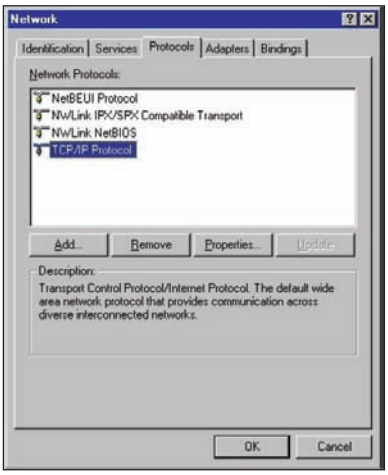


5. เลือกแท็บ **DNS configuration (การ กำหนดค่า DNS)** และคลิก **Enable DNS (เปิดทำงาน DNS)** ป้อนค่าใน **Host (โฮสต์)**, **Domain (โดเมน)** และ **DNS Server Search Order (ลำดับการค้นหา DNS เซิร์ฟเวอร์)**, จากนั้นคลิก **Add (เพิ่ม)**
6. คลิก **OK (ตกลง)**

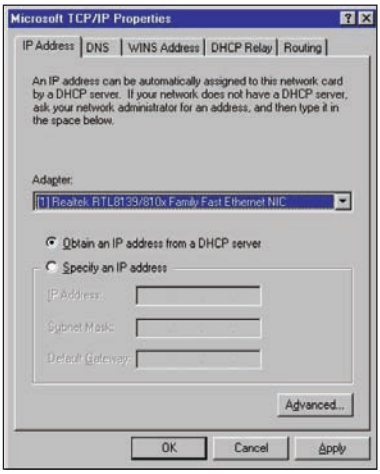


Windows® NT4.0

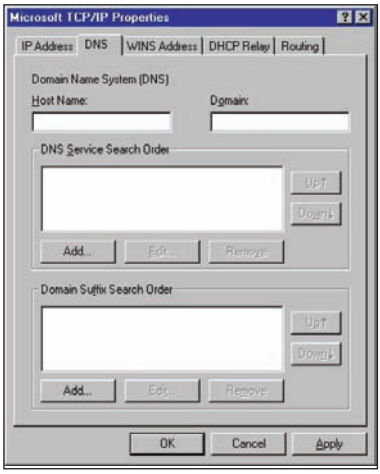
1. ไปที่ **Control Panel (แผงควบคุม) > Network (เครือข่าย)** เพื่อแสดงหน้าต่าง Network setup (การตั้งค่าเครือข่าย) จากนั้นเลือกแท็บ **Protocols (โปรโตคอล)**
2. เลือก **TCP/IP Protocol (โปรโตคอล TCP/IP)** จากรายการ Network Protocols (โปรโตคอลเครือข่าย) จากนั้นคลิก **Properties (คุณสมบัติ)**



3. จากแท็บ IP Address (IP แอดเดรส) ของหน้าต่าง TCP/IP Properties (คุณสมบัติ TCP/IP) ของ Microsoft, คุณสามารถ:
   - เลือกชนิดของอะแดปเตอร์เครือข่ายที่ติดตั้งในระบบของคุณ
   - ตั้งค่าเราเตอร์ให้กำหนด IP แอดเดรสโดยอัตโนมัติ
   - ตั้งค่า IP แอดเดรส, ซับเน็ตมาสก์ และเกตเวย์เริ่มต้นแบบแมนนวล

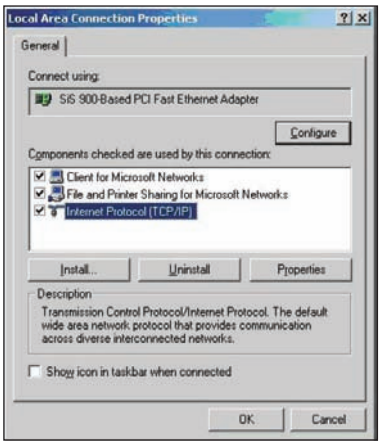


4. เลือกแท็บ DNS (DNS) จากนั้นคลิก **Add (เพิ่ม)** ภายใต้ **DNS Service Search Order (ลำดับการค้นหาบริการ DNS)** และป้อน DNS เข้าไป

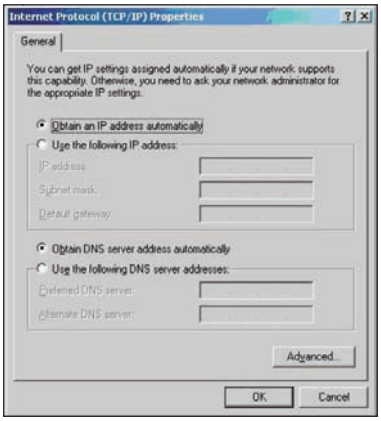


Windows® 2000

1. คลิก **Start (เริ่ม)** > **Control Panel (แผงควบคุม)** > **Network and Dial-up Connection (เครือข่ายและการเชื่อมต่อแบบโทรเข้า)** คลิกขวาที่ **Local Area Connection (การเชื่อมต่อเครือข่ายท้องถิ่น)** จากนั้นคลิก **Properties (คุณสมบัติ)**

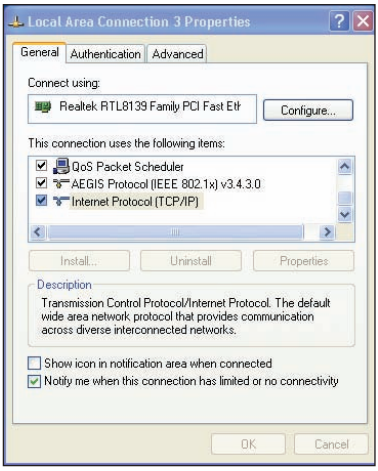


2. เลือก **Internet Protocol (อินเตอร์เน็ตโปรโตคอล)(TCP/IP)**, จากนั้นคลิก **Properties (คุณสมบัติ)**
3. เลือก **Obtain an IP address automatically (รับ IP แอดเดรสโดยอัตโนมัติ)** ถ้าคุณต้องการให้การตั้งค่า IP ถูกกำหนดโดยอัตโนมัติ ไม่เช่นนั้น เลือก **Use the following IP address (ใช้ IP แอดเดรสต่อไปนี้)**: และป้อนค่าในช่อง **IP address (IP แอดเดรส), Subnet mask (ซับเน็ตมาสก์)** และ **Default gateway (เกตเวย์เริ่มต้น)**
4. เลือก **Obtain an IP address automatically (รับ IP แอดเดรสโดยอัตโนมัติ)** ถ้าคุณต้องการให้การตั้งค่า DNS เซิร์ฟเวอร์ถูกกำหนดโดยอัตโนมัติ ไม่เช่นนั้น เลือก **Use the following DNS server address (ใช้ DNS เซิร์ฟเวอร์แอดเดรสต่อไปนี้)**: และป้อนค่าในช่อง **Preferred (ที่เลือกใช้)** และ **Alternate DNS server (DNS เซิร์ฟเวอร์อื่น)**
5. คลิก **OK (ตกลง)** เมื่อทำเสร็จ

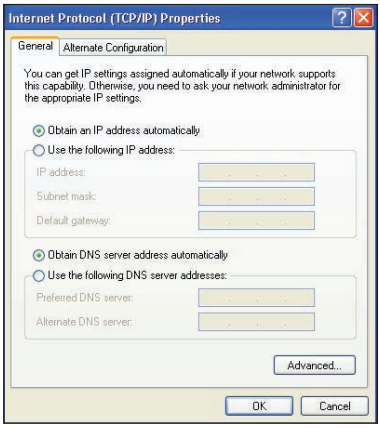


Windows® XP

1. คลิก **Start (เริ่ม)** > **Control Panel (แผงควบคุม)** > **Network Connection (การเชื่อมต่อเครือข่าย)** คลิกขวาที่ **Local Area Connection (การเชื่อมต่อเครือข่ายท้องถิ่น)** จากนั้นเลือก Properties (คุณสมบัติ)



2. เลือก **Internet Protocol (อินเตอร์เน็ตโปรโตคอล)(TCP/IP)**, จากนั้นคลิก **Properties (คุณสมบัติ)**
3. เลือก **Obtain an IP address automatically (รับ IP แอดเดรสโดยอัตโนมัติ)** ถ้าคุณต้องการให้การตั้งค่า IP ถูกกำหนดโดยอัตโนมัติ ไม่เช่นนั้น เลือก **Use the following IP address (ใช้ IP แอดเดรสต่อไปนี้)**: และป้อนค่าในช่อง **IP address (IP แอดเดรส), Subnet mask (ซับเน็ต มาสก์)** และ **Default gateway (เกตเวย์เริ่มต้น)**
4. เลือก **Obtain DNS server address automatically (รับ DNS เซิร์ฟเวอร์แอดเดรสโดยอัตโนมัติ)** ถ้าคุณต้องการให้การตั้งค่า DNS เซิร์ฟเวอร์ถูกกำหนดโดยอัตโนมัติ ไม่เช่นนั้น เลือก **Use the following DNS server addresses (ใช้ DNS เซิร์ฟเวอร์แอดเดรสต่อไปนี้)**: และป้อนค่าในช่อง **Preferred and Alternate DNS server (DNS เซิร์ฟเวอร์ที่เลือกใช้และค่าอื่น)**
5. คลิก **OK (ตกลง)** เมื่อทำเสร็จ



4 การตั้งค่าคอนฟิกผ่านเว็บ GUI

การตั้งค่าคอนฟิกผ่านเว็บ GUI

ระบบติดต่อผู้ใช้แบบกราฟฟิกบนเว็บของเราเตอร์ (เว็บ GUI) อนุญาตให้คุณตั้งค่าคอนฟิกคุณสมบัติต่างๆ: **Setting (การตั้งค่า)**

ในการตั้งค่าคอนฟิกผ่านเว็บ GUI:

1. หลังจากการตั้งค่าการเชื่อมต่อแบบมีสายหรือไร้สาย ให้เปิดเว็บเบราเซอร์ หน้าเข้าระบบ จะเปิดขึ้นโดยอัตโนมัติ

หมายเหตุ: คุณอาจต้องป้อน IP แอดเดรสเริ่มต้นของเราเตอร์ (**192.168.1.1**) เข้าไปด้วยตัวเองเพื่อเปิดระบบติดต่อบนเว็บของเราเตอร์

2. บนหน้าเข้าระบบ ให้ป้อนชื่อผู้ใช้เริ่มต้น (**admin**) และรหัสผ่าน (**admin**) เข้าไป
3. จากหน้าหลัก, คลิกเมนูหรือลิงค์สำหรับเลือก เพื่อตั้งค่าคอนฟิกคุณสมบัติต่างๆ ของ ASUS ไวร์เลส เราเตอร์

การคอนฟิกการตั้งค่า

หน้านี้อนุญาตให้คุณคอนฟิกการตั้งค่าสำหรับเราเตอร์และเครือข่ายของคุณ
หน้านี้ใช้
สำหรับกำหนดการตั้งค่าสำหรับ: **Wireless (ไร้สาย), LAN, WAN, Firewall (ไฟร์วอลล์),**
Administration (การบริหารระบบ) และ **System Log (บันทึกระบบ)**

ในการเปิดหน้า การตั้งค่า:

- คลิก **Setting (การตั้งค่า)** จากเมนูสำหรับเลือกที่ด้านซ้ายของหน้าจอของคุณ

การอัปเกรดเฟิร์มแวร์

หมายเหตุ: ดาวน์โหลดเฟิร์มแวร์ล่าสุดจากเว็บไซต์ ASUS ที่ **http://www.asus.com**

ในการอัปเกรดเฟิร์มแวร์:

1. คลิก **Setting (การตั้งค่า)** จากเมนูสำหรับเลือกที่ด้านซ้ายของหน้าจอของคุณ
2. ภายใต้เมนู **Administration (การบริหารระบบ)**, คลิก **Firmware Upgrade (เฟิร์มแวร์อัปเกรด)**
3. ในช่อง **New Firmware File (ไฟล์เฟิร์มแวร์ใหม่)**, คลิก **Browse (เรียกดู)** เพื่อ
   ค้นหาเฟิร์มแวร์ใหม่บนคอมพิวเตอร์ของคุณ
4. คลิก **Upload (อัปโหลด)** กระบวนการอัปโหลดใช้เวลาประมาณ 3 นาที

หมายเหตุ: ถ้ากระบวนการอัปเกรดล้มเหลว ไวร์เลส เราเตอร์จะเข้าสู่โหมดฉุกเฉินหรือโหมดล้มเหลวโดยอัตโนมัติ และไฟแสดงสถานะ LED เพาเวอร์ที่แผงด้านหน้าจะกะพริบช้าๆ ในการเรียกคืน หรือกู้คืนระบบ ให้ใช้ยูทิลิตี้ Firmware Restoration (การกู้คืนเฟิร์มแวร์) สำหรับรายละเอียด
ดเพิ่มเติมเกี่ยวกับยูทิลิตี้นี้, ให้ดูส่วน **การกู้คืนเฟิร์มแวร์** ในบทที่ 5 ของคู่มือผู้ใช้นี้

การกู้คืน/การจัดเก็บ/การอัปโหลดการตั้งค่า

ในการกู้คืน/จัดเก็บ/อัปโหลดการตั้งค่า:

1. คลิก **Setting (การตั้งค่า)** จากเมนูสำหรับเลือกที่ด้านซ้ายของหน้าจอของคุณ
2. ภายใต้เมนู **Administration (การบริหารระบบ)**, คลิก **Restore/Save/Upload Setting (กู้คืน/จัดเก็บ/อัปโหลดการตั้งค่า)**

3. เลือกงานที่คุณต้องการทำ:
   - ในการกู้คืนการตั้งค่ากลับเป็นค่าเริ่มต้นจากโรงงาน, คลิก **Restore (กู้คืน)**, และคลิก **OK (ตกลง)** ในข้อความการยืนยัน
   - ในการจัดเก็บการตั้งค่าระบบปัจจุบัน, คลิก **Save (จัดเก็บ)**, และคลิก **Save (จัดเก็บ)** ในหน้าต่างดาวน์โหลดไฟล์ เพื่อจัดเก็บไฟล์ระบบลงในพาธที่คุณต้องการ
   - ในการกู้คืนการตั้งค่าระบบก่อนหน้า, คลิก **Browse (เรียกดู)** เพื่อค้นหาไฟล์ระบบ ที่คุณต้องการกู้คืน, จากนั้นคลิก **Upload (อัปโหลด)**

5 การติดตั้งยูทิลิตี้

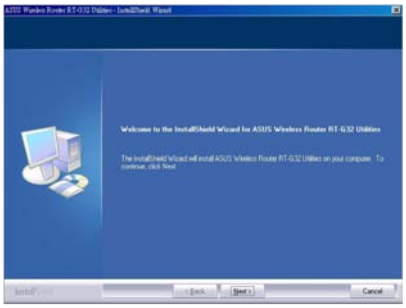
การติดตั้งยูทิลิตี้

แผ่น CD สนับสนุน ประกอบด้วยยูทิลิตี้สำหรับการตั้งค่าคอนฟิก ASUS ไวร์เลส เราเตอร์ ในการติดตั้งยูทิลิตี้ ASUS WLAN ใน Microsoft® Windows, ให้ใส่แผ่น CD สนับสนุนลงใน CD ไดรฟ์ ถ้าคุณเสมบัติการรันอัตโนมัติปิดทำงาน, ให้รัน **setup.exe** จากไดเรกทอรีรากของแผ่น CD สนับสนุน

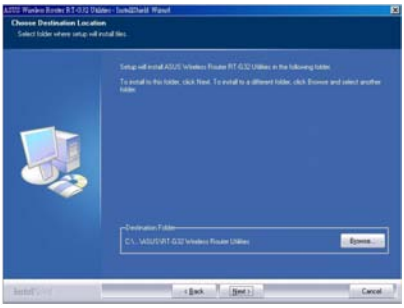
ในการติดตั้งยูทิลิตี้:

1. คลิก **Install ASUS Wireless Router Utilities (ติดตั้งยูทิลิตี้ ASUS ไวร์เลส เราเตอร์)**

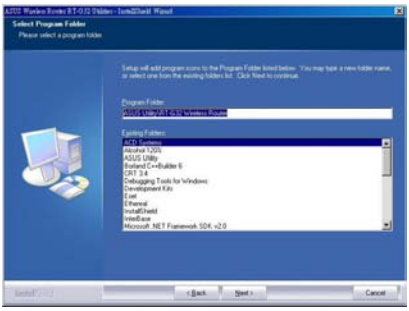
2. คลิก **Next (ถัดไป)**



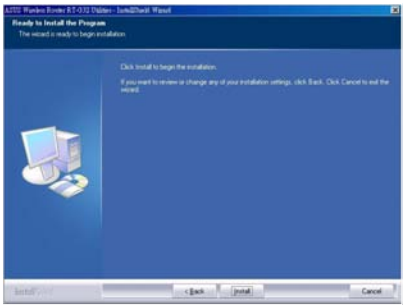
3. คลิก **Next (ถัดไป)** เพื่อยอมรับโฟลเดอร์ปลายทางเริ่มต้น หรือคลิก**Browse (เรียกดู)** เพื่อระบุพาธอื่น



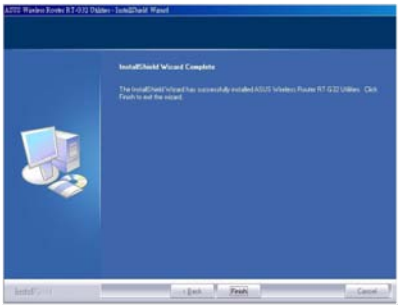
4. คลิก **Next (ถัดไป)**



5. คลิก **Install (ติดตั้ง)** เพื่อติดตั้งยูทิลิตี้



6. คลิก **Finish (เสร็จ)** เมื่อตั้งค่าเสร็จ

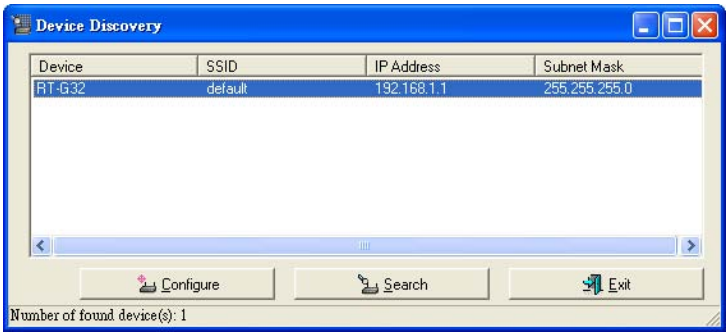


การค้นหาอุปกรณ์

Device Discovery (การค้นหาอุปกรณ์) เป็นยูทิลิตี้ ASUS WLAN ซึ่งทำหน้าที่ตรวจหาอุปกรณ์ ASUS ไวร์เลส เราเตอร์ และอนุญาตให้คุณตั้งค่าคอนฟิกอุปกรณ์

ในการเปิดยูทิลิตี้ การค้นหาอุปกรณ์:

- จากเดสก์ทอปของคอมพิวเตอร์ของคุณ, คลิก **Start (เริ่ม)** > **All Programs (โปรแกรมทั้งหมด)** > **ASUS Utility (ยูทิลิตี้ ASUS)** > **RT-G32 Wireless Router (RT-G32 ไวร์เลส เราเตอร์)** > **Device Discovery (การค้นหาอุปกรณ์)**



การกู้คืนเฟิร์มแวร์

Firmware Restoration (การกู้คืนเฟิร์มแวร์) เป็นยูทิลิตี้ที่ค้นหา ASUS ไวร์เลส เราเตอร์ที่ทำงานล้มเหลวระหว่างกระบวนการอัปเกรดเฟิร์มแวร์ จากนั้นกู้คืนเฟิร์มแวร์ที่คุณระบุ กระบวนการจะใช้เวลาประมาณ 3 ถึง 4 นาที

อย่า ใช้ยูทิลิตี้นี้ ถ้าคุณไม่พบสถานการณ์ที่ผิดปกติ เช่น เฟิร์มแวร์เสีย, ล้มเหลวขณะอัปเกรด หรือระบบล่ม

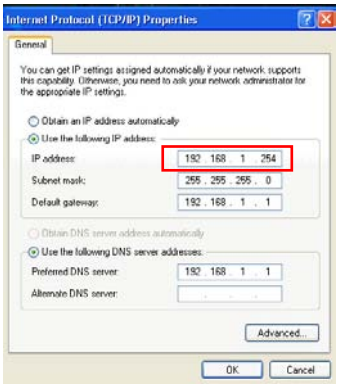
1. ดาวน์โหลดเฟิร์มแวร์และยูทิลิตี้เวอร์ชั่นล่าสุดจากเว็บไซต์ของเราที่ (http://support.asus.com/download/download.aspx?SLanguage=en-us)
2. ขยายขนาดไฟล์ยูทิลิตี้ จากนั้นรัน **Setup.exe** คลิก **Next (ถัดไป)** เพื่อทำการติดตั้งให้เสร็จ

ตั้งค่า IP แอดเดรสแบบแมนนวล

คลิก **Start (เริ่ม)** > **Control Panel (แผงควบคุม)** > **Network Connection (การเชื่อมต่อเครือข่าย)** คลิกขวาที่ **Local Area Connection (การเชื่อมต่อเครือข่ายท้องถิ่น)** จากนั้นเลือก **Properties (คุณสมบัติ)**

ตั้งค่า IP แอดเดรสแบบแมนนวล (192.168.1.254)

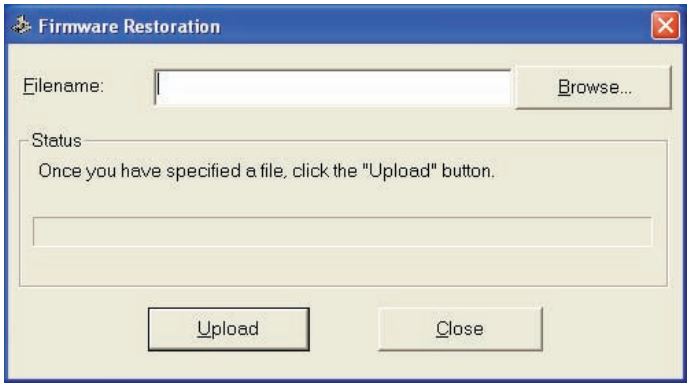
- เราแนะนำให้คุณใช้การเชื่อมต่อแบบมีสาย และตั้งค่า IP แอดเดรสแบบแมนนวล เพื่อให้ได้สภาพแวดล้อมสำหรับการรับส่งที่ดีที่สุด
- ตรวจดูให้แน่ใจว่าไฟร์วอลล์บนพีซีนั้นปิดทำงาน



3. ปิดไวร์เลส เราเตอร์, กดปุ่มรีเซ็ตค้างไว้ จากนั้นเปิดอุปกรณ์อีกครั้ง อุปกรณ์ไวร์เลสจะเข้าสู่โหมดช่วยเหลือ หลังจากที่ LED WLAN กะพริบ

อย่า ปิดเครื่อง หรือรีเซ็ตอุปกรณ์ในขณะที่กำลังอัปเดตเฟิร์มแวร์! การทำเช่นนั้นอาจทำให้การบูตระบบล้มเหลว!

4. จากเดสก์ทอป Windows®, คลิก > **Start (เริ่ม)** > **All programs (โปรแกรมทั้งหมด)** > **ASUS Utility (ยูทิลิตี้ ASUS)** > **RT-G32 Wireless Router (RT-G32 ไวร์เลส เราเตอร์)** > **Firmware Restoration (การกู้คืนเฟิร์มแวร์)**
5. คลิก **Browse (เรียกดู)** เพื่อเลือกไฟล์เฟิร์มแวร์ จากนั้นคลิก **Upload (อัปโหลด)**



6. หลังจากที่การอัปโหลดเฟิร์มแวร์สำเร็จ อุปกรณ์จะบูตใหม่โดยอัตโนมัติ

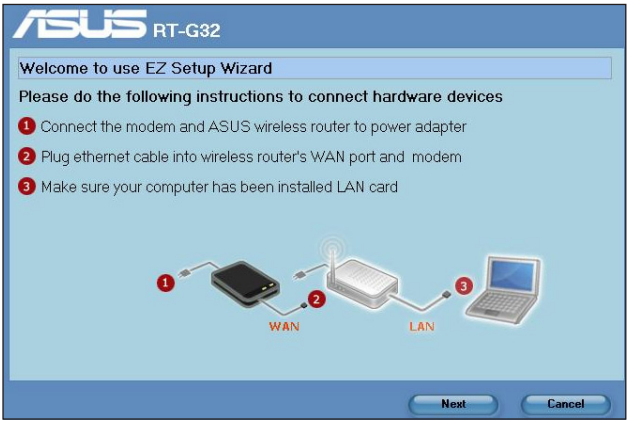
EZSetup

EZSetup เป็นยูทิลิตี้ที่ช่วยให้คุณตั้งค่าไวร์เลส เราเตอร์ของคุณได้อย่างง่ายดาย

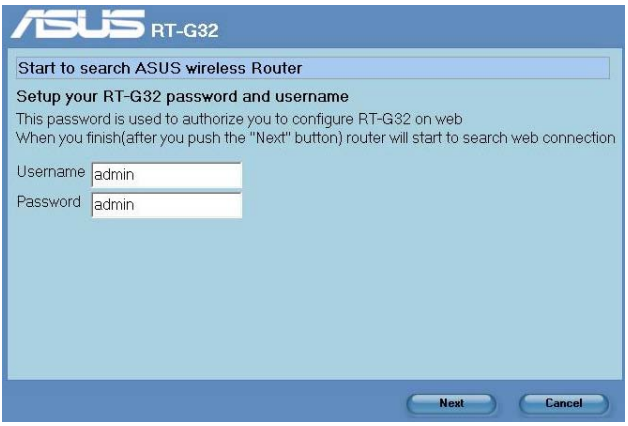
ก่อนที่คุณจะติดตั้ง EZSetup, ให้แน่ใจว่า RT-G32 เชื่อมต่อไปยังโมเด็มหรือพีซีด้วยสายเคเบิล RJ45.

ในการใช้ EZSetup:

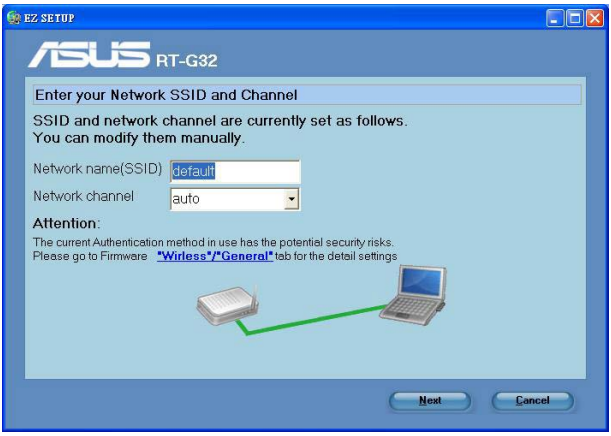
1. ปฏิบัติตามขั้นตอนเพื่อเชื่อมต่ออุปกรณ์ฮาร์ดแวร์ เมื่อทำเสร็จ, คลิก **Next (ถัดไป)**



2. พิมพ์ชื่อผู้ใช้และรหัสผ่าน เพื่อตั้งค่าคอนฟิกไวร์เลส เราเตอร์บนเว็บ เมื่อทำเสร็จ, คลิก **Next (ถัดไป)**

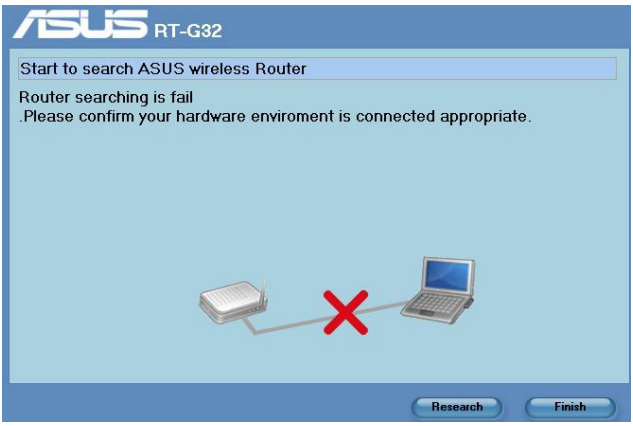


3. หลังจากการตั้งค่าเน็ตเวิร์ก SSID และแชนเนลเชื่อมต่อเรียบร้อยแล้ว, คลิก **Next (ถัดไป)** เพื่อทำต่อไป



(กำลังเชื่อมต่อ)

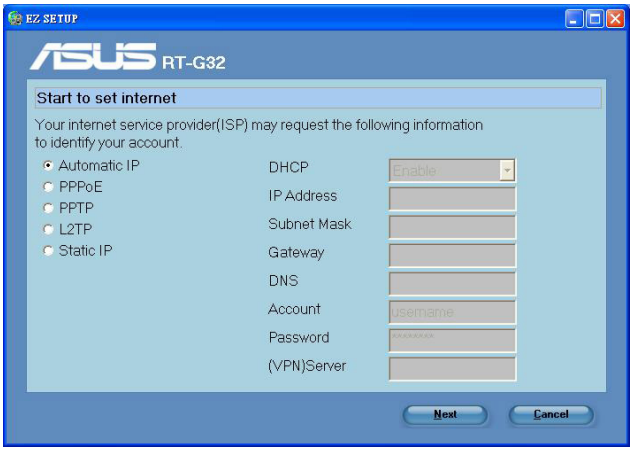
ถ้าการเชื่อมต่อล้มเหลว, ตรวจดูให้แน่ใจว่าฮาร์ดแวร์เชื่อมต่ออย่างเหมาะสม และคลิก **Re-search (ค้นหาใหม่)** เพื่อค้นหาอีกครั้ง



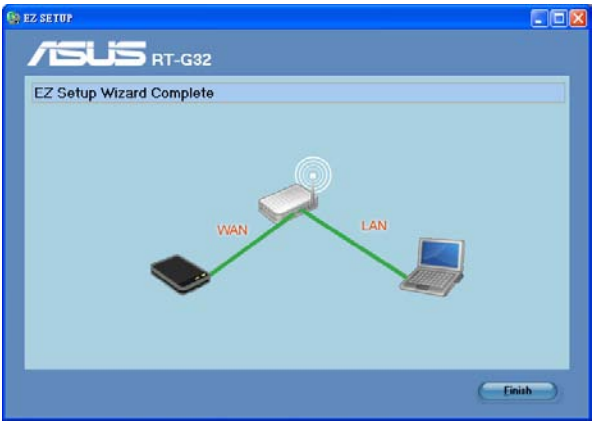
(การเชื่อมต่อล้มเหลว)

4. คลิก **Next (ถัดไป)** เพื่อตั้งค่าคอนฟิกการตั้งค่าการเชื่อมต่อ ISP พื้นฐาน คลิก **Finish (เสร็จ)** เพื่อทำการตั้งค่าเครือข่ายภายในให้เสร็จ

5. เลือกชนิดการเชื่อมต่อของคุณจากชนิดของบริการ ISP เหล่านี้: **Automatic IP (IP อัตโนมัติ)**, **PPPoE**, **PPTP**, **L2TP** และ **Static IP (สแตติก IP)** พิมพ์ข้อมูลที่จำเป็นสำหรับชนิดการเชื่อมต่อ ISP ของคุณเข้าไป เมื่อทำเสร็จ, คลิก **Next (ถัดไป)**



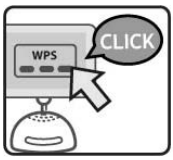
6. เมื่อทำเสร็จ, คลิก **Finish (เสร็จ)**



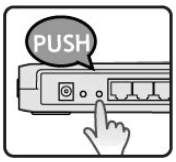
การตั้งค่าปุ่มด่วนของ WPS

เมื่อคุณเชื่อมต่อไวร์เลส เราเตอร์ (เช่น ASUS USB-N11 และ PCI-G31 อะแดป-เตอร์) กับฟังก์ชั่น WPS บนพีซี, โปรดทำตามขั้นตอนด้านล่าง เพื่อเปิดใช้งานการตั้งค่าด่วน WPS

1. เพื่อที่จะใช้ WPS, ตรวจดูให้แน่ใจว่าทั้ง RT-G32 ไวร์เลส เราเตอร์ และฟังก์ชั่น WPS ของซอฟต์แวร์ไร้สายของคอมพิวเตอร์เปิดใช้งานอยู่



2. กดปุ่ม WPS ที่แผงด้านหลังของ RT-G32 ไวร์เลส เราเตอร์



3. RT-G32 WLAN LED สามารถสว่างขึ้น และกะพริบช้าๆ หลังจากที่การเชื่อมต่อ WPS ถูกสร้างขึ้น

6 การแก้ไขปัญหา

การแก้ไขปัญหา

คำแนะนำในการแก้ไขปัญหา ให้วิธีแก้ไขสำหรับปัญหาทั่วไป ซึ่งคุณอาจพบในขณะที่กำลังติดตั้งหรือใช้ ASUS ไวร์เลส เราเตอร์ ปัญหาเหล่านี้ มีวิธีการแก้ไขง่ายๆ ซึ่งคุณสามารถดำเนินการได้ด้วยตัวเอง ติดต่อฝ่ายสนับสนุนด้านเทคนิคของ ASUS ถ้าคุณมีปัญหาที่ไม่ได้กล่าวไว้ในบทนี้

ปัญหา	การดำเนินการ
ไม่สามารถเข้าถึงเว็บเบราเซอร์เพื่อตั้งค่าคอนฟิกเราเตอร์ได้	1. เปิดเว็บเบราเซอร์, จากนั้นคลิก **Tools (เครื่องมือ)** > **Internet Options... (ตัวเลือกอินเตอร์เน็ต...)** 2. ภายใต้ **Temporary Internet files (ไฟล์อินเตอร์เน็ตชั่วคราว)**, คลิก **Delete Cookies... (ลบคุกกี้...)** และ **Delete Files... (ลบไฟล์...)**
ไคลเอ็นต์ไม่สามารถสร้างการเชื่อมต่อไร้สายกับเราเตอร์ได้	**อยู่นอกพื้นที่ทำงาน:** • ย้ายเราเตอร์ให้เข้าใกล้ไวร์เลส ไคลเอ็นต์มากขึ้น • ลองเปลี่ยนการตั้งค่าแชนเนล **การยืนยันตัวบุคคล:** • ใช้การเชื่อมต่อแบบมีสายเพื่อเชื่อมต่อไปยังเราเตอร์ • ตรวจสอบการตั้งค่าระบบป้องกันแบบไร้สาย • กดปุ่ม รีเซ็ต ที่แผงด้านหลังเป็นเวลานานกว่า 5 วินาที **ไม่สามารถพบเราเตอร์:** • กดปุ่ม รีเซ็ต ที่แผงด้านหลังเป็นเวลานานกว่า 5 วินาที • ตรวจสอบการตั้งค่าในไวร์เลส อะแดปเตอร์ เช่น SSID และการตั้งค่าการเข้ารหัส

ปัญหา	การดำเนินการ
ไม่สามารถเข้าถึงอินเตอร์เน็ต ผ่านไวร์เลส LAN อะแดปเตอร์	• ย้ายเราเตอร์ให้เข้าใกล้ไวร์เลส ไคลเอ็นต์มากขึ้น • ตรวจสอบว่าไวร์เลสอะแดปเตอร์เชื่อมต่อกับไวร์เลส เราเตอร์ที่ถูกต้องหรือไม่ • ตรวจสอบว่าไวร์เลส แชนเนลที่ใช้สอดคล้องกับแชนเนลที่ใช้ได้ในประเทศ/พื้นที่ของคุณหรือไม่ • ตรวจสอบการตั้งค่าการเข้ารหัส • ตรวจสอบว่าการเชื่อมต่อ ADSL หรือสายเคเบิลถูกต้องหรือไม่ • ลองใช้สายเคเบิลอีเธอร์เน็ตเส้นอื่น
ไม่สามารถเข้าถึงอินเตอร์เน็ตได้	• ตรวจสอบไฟแสดงสถานะบนโมเด็ม ADSL และไวร์เลส เราเตอร์ • ตรวจสอบว่า LED WAN บนไวร์เลส เราเตอร์ติดอยู่หรือไม่ ถ้า LED ไม่ติด, ให้เปลี่ยนสายเคเบิล และลองใหม่อีกครั้ง
เมื่อไฟ "Link" ของโมเด็ม ADSL ติด (ไม่กะพริบ), หมายความว่าสามารถเข้าถึงอินเตอร์เน็ตได้	• เริ่มคอมพิวเตอร์ของคุณใหม่ • ให้ดูคู่มือการเริ่มต้นฉบับย่อของไวร์เลส เราเตอร์ และคอนฟิกการตั้งค่าใหม่ • ตรวจสอบว่า LED WAN บนไวร์เลส เราเตอร์ติดอยู่หรือไม่ • ตรวจสอบการตั้งค่าการเข้ารหัสไร้สาย • ตรวจสอบว่าคอมพิวเตอร์สามารถรับ IP แอดเดรสได้หรือไม่ (ผ่านทั้งเครือข่ายแบบมีสาย และเครือข่ายแบบไร้สาย) • ตรวจดูให้แน่ใจว่าเว็บเบราเซอร์ของคุณถูกคอนฟิกให้ใช้โลคอล LAN, และไม่ได้ถูกคอนฟิกให้ใช้พร็อกซี่เซิร์ฟเวอร์
ถ้าไฟ "LINK" ADSL กะพริบอย่างต่อเนื่อง หรือดับ, จะไม่สามารถเข้าถึงอินเตอร์เน็ตได้ – เราเตอร์ไม่สามารถสร้างการเชื่อมต่อกับเน็ตเวิร์ก ADSL ได้	• ตรวจดูให้แน่ใจว่าสายเคเบิลทั้งหมดเชื่อมต่ออย่างถูกต้อง • ตัดการเชื่อมต่อสายไฟจาก ADSL หรือเคเบิลโมเด็ม, รอสองสามนาที จากนั้นเชื่อมต่อสายใหม่ • ถ้าไฟ ADSL ยังคงกะพริบต่อเนื่อง หรือดับ, ให้ติดต่อผู้ให้บริการ ADSL ของคุณ

ปัญหา	การดำเนินการ
ลืมชื่อเครือข่าย หรือคีย์การเข้ารหัส	• ลองตั้งค่าการเชื่อมต่อแบบมีสาย และตั้งค่าคอนฟิกการเข้ารหัสแบบไร้สายอีกครั้ง • กดปุ่ม กู้คืน ที่แผงด้านหลังของไวร์เลสเราเตอร์เป็นเวลานานกว่า 5 วินาที
วิธีการกู้คืนระบบกลับเป็นการตั้งค่าเริ่มต้น	• กดปุ่ม กู้คืน ที่แผงด้านหลังของไวร์เลสเราเตอร์เป็นเวลานานกว่า 5 วินาที • ดูส่วน **การกู้คืนกลับเป็นการตั้งค่าเริ่มต้น** ในบทที่ 4 ของคู่มือผู้ใช้นี้ ค่าต่อไปนี้คือการตั้งค่าเริ่มต้นจากโรงงาน: **ชื่อผู้ใช้:** admin **รหัสผ่าน:** admin **เปิดทำงาน DHCP:** ใช่ (ถ้าเสียบสายเคเบิล WAN) **IP แอดเดรส:** 192.168.1.1 **ชื่อโดเมน:** (ว่าง) **ซับเน็ต มาสก์:** 255.255.255.0 **DNS เซิร์ฟเวอร์ 1:** 192.168.1.1 **DNS เซิร์ฟเวอร์ 2:** (ว่าง) **SSID:** default

ภาคผนวก

Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your

cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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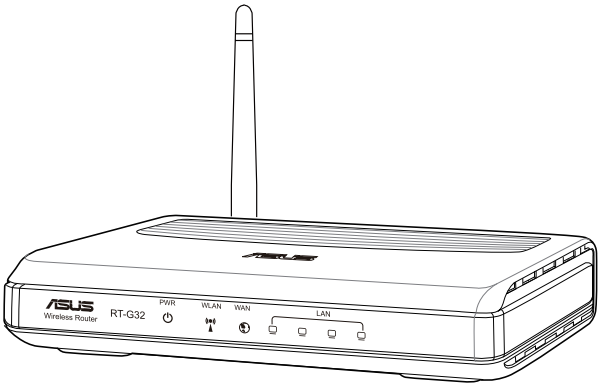
RT-G32
Kablosuz Yönlendirici



Kullanım Kılavuzu

TR4264
Birinci Baskı
Kasım 2008

İçindekiler

İçindekiler

Bu kılavuz hakkında

Bu kullanım kılavuzu, ASUS Kablosuz Yönlendiriciyi kurarken ve yapılandırırken size gerekli olacak bilgileri içerir.

Kılavuz nasıl düzenlenmiştir

Bu kılavuz aşağıdaki bölümlerden oluşur:

- **Bölüm 1: Kablosuz yönlendiricinizi tanıma**

  Bu bölüm, ASUS Kablosuz Yönlendiricinin paket içeriği, sistem gereksinimleri, donanım özellikleri ve LED göstergeleri hakkında bilgi verir.

- **Bölüm 2: Donanımı kurma**

  Bu bölüm ASUS Kablosuz Yönlendiriciyi kurma, ürüne erişme ve ürünü yapılandırma ile ilgili yönergeler içerir.

- **Bölüm 3: Ağ istemcilerini yapılandırma**

  Bu bölüm, ağınızdaki istemcilerin ASUS Kablosuz Yönlendiriciyle birlikte çalışmak üzere ayarlanmasına dair yönergeler içerir.

- **Bölüm 4: Web GUI üzerinden yapılandırma**

  Bu bölüm, web grafik kullanıcı arabirimini (web GUI) kullanarak ASUS Kablosuz Yönlendiriciyi yapılandırma ile ilgili yönergeler içerir.

- **Bölüm 5: Yardımcı programları kurma**

  Bu bölüm destek CD'sinde yer alan yardımcı programlar hakkında bilgi sağlar.

- **Bölüm 6: Sorun giderme**

  Bu bölüm, ASUS Kablosuz Yönlendiriciyi kullanırken karşılaşabileceğiniz yaygın sorunları çözmek üzere bir sorun giderme kılavuzu sağlar.

- **Ekler**

  Bu bölümde yasal Bildirimler ve Güvenlik İfadeleri yer alır.

Bu kılavuzda kullanılan ifadeler

UYARI: Bir görevi gerçekleştirmeye çalışırken yaralanmanızı önlemeye yönelik bilgilerdir.

DİKKAT: Bir görevi gerçekleştirmeye çalışırken bileşenlerin hasar görmesini önlemeye yönelik bilgilerdir.

ÖNEMLİ: Bir görevi tamamlamak için izlemeniz GEREKEN yönergelerdir.

NOT: Bir görevi tamamlamaya yardımcı olacak ipuçları ve ek bilgilerdir.

1 Kablosuz yönlendiricinizi tanıma

Paket içeriği

ASUS Kablosuz Yönlendirici paketinizde aşağıdaki öğeleri kontrol edin.

- ☑ RT-G32 Kablosuz Yönlendirici
- ☑ Güç adaptörü
- ☑ Destek CD'si (kılavuz, yardımcı programlar)
- ☑ RJ45 kablo
- ☑ Hızlı Başlangıç Kılavuzu

Not: Bileşenlerden herhangi biri hasar görmüş ya da eksik ise satıcınızla temasa geçin.

Sistem gereksinimleri

ASUS Kablosuz Yönlendiriciyi kurmadan önce, sisteminizin/ağınızın aşağıdaki gereksinimleri karşıladığından emin olun:

- Bir Ethernet RJ-45 bağlantı noktası (10Base-T/100Base-TX)
- Kablosuz özelliğe sahip en az bir IEEE 802.11b/g aygıtı
- Kurulu bir TCP/IP ve Internet tarayıcısı
- Internet Explorer 6.0 veya üzeri sürümleri

Devam etmeden önce

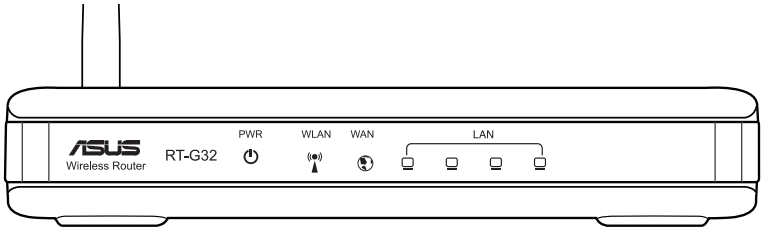
ASUS Kablosuz Yönlendiriciyi kurmadan önce aşağıdaki yönergeleri dikkate alın:

- Aygıtı ağa (hub, ADSL/kablo modem, yönlendirici, duvar bağlantısı) bağlamak için kullanılan Ethernet kablosunun uzunluğu 100 metreyi geçmemelidir.
- Aygıtı zeminden olabildiğince yukarıda bulunan düz, sabit bir yüzeye yerleştirin.
- Aygıtı engelleyici metal cisimlerden ve doğrudan güneş ışığından uzak tutun.
- Sinyal kaybını önlemek için aygıtı transformatörlerden, ağır hizmet motorlarından, flüoresan lambalardan, mikrodalga fırınlardan, soğutuculardan ve diğer endüstriyel aygıtlardan uzak tutun.

- Tüm kablosuz mobil aygıtlar için ideal kapsama sağlamak üzere, aygıtı merkezi bir noktaya kurun.
- Ürünün Federal İletişim Komisyonu tarafından benimsenen, İnsanlar İçin RF Maruziyet Yönergelerine uygun olarak çalıştırıldığından emin olmak için aygıtı kişilerden en az 20cm uzağa kurun.

Donanım özellikleri

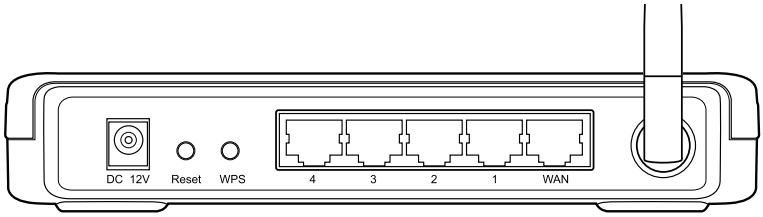
Ön panel



Durum göstergeleri

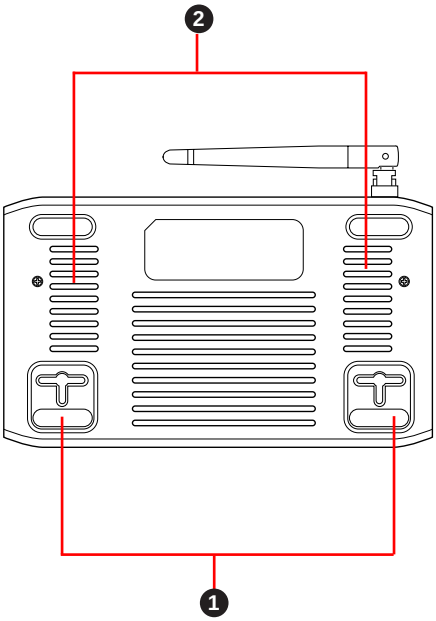
LED	Durum	Gösterge
⏻ (Güç)	Kapalı	Güç yok
	Açık	Sistem hazır
WLAN (Kablosuz LAN)	Kapalı	Güç yok
	Açık	Kablosuz sistem hazır
	Yanıp sönüyor	Veri iletiyor veya alıyor (kablosuz)
LAN 1-4 (Yerel Ağ)	Kapalı	Güç veya fiziksel bağlantı yok
	Açık	Ethernet ağı ile fiziksel bağlantısı var
	Yanıp sönüyor	Veri iletiyor veya alıyor (Ethernet kablosu üzerinden)
WAN (Geniş Alan Ağı)	Kapalı	Güç veya fiziksel bağlantı yok
	Açık	Ethernet ağı ile fiziksel bağlantısı var
	Yanıp sönüyor	Veri iletiyor veya alıyor (Ethernet kablosu üzerinden)

Arka panel



Etiket	Açıklama
Anten	Daha iyi sinyal almak için anteni manüel olarak ayarlayın
WPS	Kablosuz Korumalı Kurulumu (WPS) başlatmak için bu düğmeye basın.
Sıfırla	Varsayılan fabrika ayarlarını yüklemek için üç saniye basın.
WAN	WAN bağlantısı oluşturmak için bu bağlantı noktasına bir RJ-45 Ethernet kablosu takın.
LAN1-LAN4	LAN bağlantısı oluşturmak için bu bağlantı noktalarına RJ-45 Ethernet kabloları takın.
DC 12V	Yönlendiricinizi bir güç kaynağına bağlamak için bu bağlantı noktasına bir DC adaptörü takın.

Arka panel

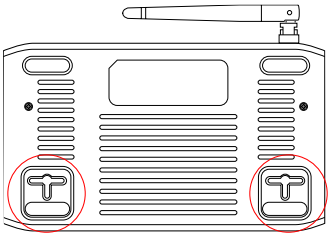


Öğe	Açıklama
1	**Montaj kancaları** Yönlendiricinizi beton veya ahşap yüzeylere monte etmek için iki yuvarlak başlı vida ile montaj kancalarını kullanın.
2	**Hava delikleri** Bu delikler yönlendiricinizin havalandırılmasını sağlar.

Not: Yönlendiricinizi duvara veya tavana monte etme hakkında ayrıntılı bilgi için, bu kullanım kılavuzunun bir sonraki sayfasında yer alan **Mounting options (Montaj seçenekleri)** kısmına bakın.

Montaj seçenekleri

ASUS Kablosuz Yönlendirici, kutusundan çıkarıldığında dosya dolabı ya da kitaplık rafı gibi yüksek ve düz bir yüzeye yerleştirilecek şekilde tasarlanmıştır. Birim aynı zamanda duvar veya tavana monte edilecek şekilde çevrilebilir.



ASUS Kablosuz Yönlendiriciyi monte etmek için:

1. İki montaj kancasını alt kısımda bulun.
2. Üstteki iki deliği düz bir yüzeyde işaretleyin.
3. İki vidayı 6mm kalana kadar sıkın.
4. ASUS Kablosuz Yönlendiricinin kancalarını vidalara tutturun.

Not: ASUS Kablosuz Yönlendiriciyi vidalara tutturamıyorsanız veya tutturduğunuzda çok gevşekse, vidaları yeniden ayarlayın.

2 Donanımı kurma

Kablosuz yönlendiriciyi kurma

ASUS Kablosuz Yönlendirici, doğru yapılandırma ile çeşitli çalışma senaryolarını karşılar. Kablosuz ortamınızın gereksinimlerini karşılamak için, kablosuz yönlendiricinin varsayılan ayarlarını değiştirmeniz gerekebilir. Ürün aynı zamanda, güvenli bir kablosuz ağı kolayca kurmanızı sağlayan yardımcı program EZSetup ile birlikte gelir.

Notlar:

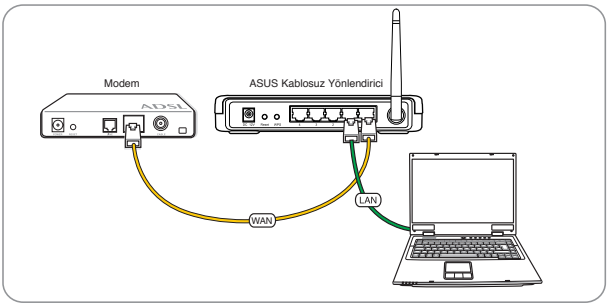
- EZSetup hakkında daha fazla bilgi için, bu kullanım kılavuzunun 5. Bölümündeki **EZSetup** kısmına bakın.

Kablolu bağlantıyı kurma

ASUS Kablosuz Yönlendiricinin paketinde bir Ethernet kablosu da bulunur. Kablosuz yönlendiricide tümleşik auto-crossover işlevi bulunur; bu yüzden kablolu bağlantı için straight-through (düz) veya crossover (çapraz) kablo kullanın.

Kablolu bağlantıyı kurmak için:

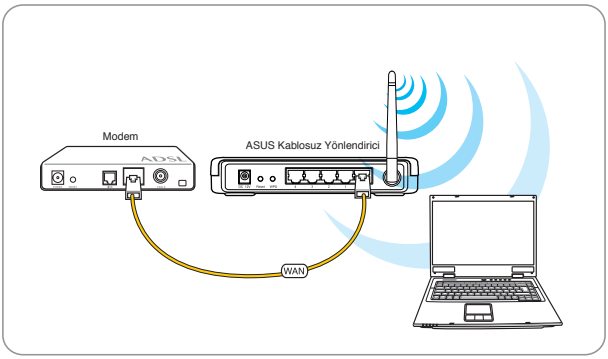
1. Yönlendiricinizi ve modemi açın.
2. Bir Ethernet kablosu kullanarak, yönlendiricinin WAN bağlantı noktasını modeme bağlayın.
3. Başka bir Ethernet kablosu kullanarak, yönlendiricinin LAN bağlantı noktasını PC'nizin LAN bağlantı noktasına takın.



Kablosuz bağlantıyı kurma

Kablosuz bağlantı kurmak için:

1. Yönlendiricinizi ve modemi açın.
2. Bir Ethernet kablosu kullanarak, modemi yönlendiricinin WAN bağlantı noktasına bağlayın.
3. IEEE 802.11b/g uyumlu bir WLAN kartı takın. Kablosuz bağlantı prosedürleri için kablosuz bağdaştırıcı kullanım kılavuzunuza başvurun. ASUS Kablosuz Yönlendiricinin SSID değeri varsayılan ayar olarak "default" (küçük harflerle) şeklindedir, şifreleme devre dışıdır ve açık sistem kimlik tanımlaması kullanılır.



Kablosuz yönlendiriciyi yapılandırma

ASUS Kablosuz Yönlendirici, ürünü bilgisayarınızdaki web tarayıcısını kullanarak yapılandırmanızı sağlayan bir web grafik kullanıcı arabirimi (web GUI) içerir.

Web GUI'yi kullanma

PC'niz yönlendiriciye kablo ile bağlanmışsa, bir web tarayıcısını açtığınızda yönlendiricinin web GUI oturum açma sayfası otomatik olarak açılır.

PC'niz yönlendiriciye kablosuz olarak bağlanıyorsa, önce ağı seçmeniz gerekir.

Ağı seçmek için:

1. **Start (Başlat)** > **Control Panel (Denetim Masası)** > **Network Connections (Ağ Bağlantıları)** > **Wireless Network Connection (Kablosuz Ağ Bağlantısı)** öğelerini tıklatın.
2. **Choose a wireless network (Kablosuz bir ağ seçin)** penceresinden bir ağ seçin. Bağlanmasını bekleyin.

Not: Kablosuz yönlendiricinin SSID değeri varsayılan ayar olarak **default (küçük harflerle)** şeklindedir. Bu varsayılan SSID'e bağlanın.

3. Kablosuz bağlantı oluşturduktan sonra, bir web tarayıcısı açın.

Notlar:

- Yönlendiricinin web arabirimini açmak için, ürünün varsayılan IP adresini (**192.168.1.1**) manüel olarak da girebilirsiniz.
- Kablosuz yönlendiricinizi web GUI'yi kullanarak yapılandırma hakkında daha fazla bilgi için bkz. **Chapter 4: Configuring via the web GUI (Bölüm 4: Web GUI üzerinden yapılandırma)**.

3 Ağ istemcilerini yapılandırma

Kablosuz yönlendiriciye erişim

Kablolu veya kablosuz istemci için IP adresi belirleme

ASUS Kablosuz Yönlendiriciye erişmek için, kablolu veya kablosuz istemcilerinizdeki TCP/IP ayarları doğru olmalıdır. İstemcinin IP adreslerinin, ASUS Kablosuz Yönlendiriciyle aynı alt ağda bulunduğundan emin olun.

Varsayılan ayar olarak, ASUS Kablosuz Yönlendirici, DHCP sunucu işlevlerini birleştirir; bu da IP adreslerinin ağınızdaki istemcilere otomatik olarak atanmasını sağlar.

Ancak bazı durumlarda, kablosuz yönlendiricinizden IP adreslerini otomatik olarak almak yerine, ağınızdaki bazı istemcilere veya bilgisayarlara manüel olarak statik IP adresleri atamak isteyebilirsiniz.

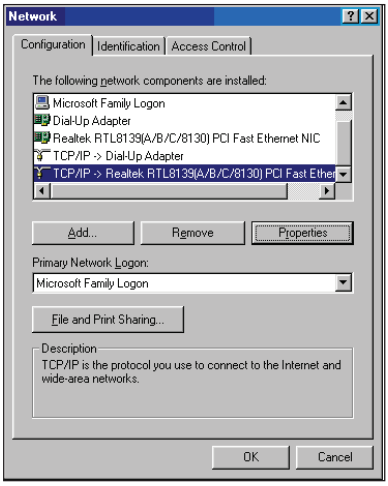
Aşağıda, istemcinizde veya bilgisayarınızda kurulu olan işletim sistemine uygun yönergeleri izleyin.

Not: Bir IP adresini istemcinize manüel olarak atamak istiyorsanız, aşağıdaki ayarları kullanmanızı öneririz:

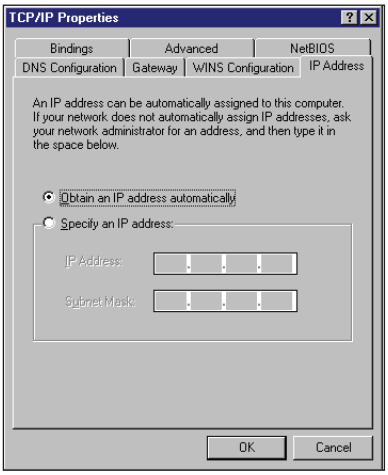
- **IP adresi**: 192.168.1.xxx (xxx, 2 ile 254 arasındaki herhangi bir sayı olabilir. IP adresinin başka bir aygıt tarafından kullanılmadığından emin olun)
- **Alt Ağ Maskesi**: 255.255.255.0 (ASUS Kablosuz Yönlendiriciyle aynı)
- **Ağ Geçidi**: 192.168.1.1 (ASUS Kablosuz Yönlendiricinin IP adresi)
- **DNS**: 192.168.1.1 (ASUS Kablosuz Yönlendirici) veya ağınızda bilinen bir DNS sunucusu atayın

Windows® 9x/ME

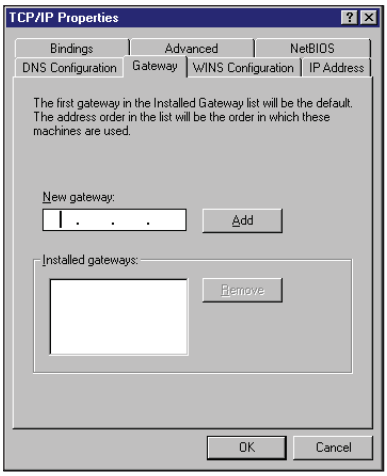
1. Ağ ayarı penceresini görüntülemek için **Start (Başlat)** > **Control Panel (Denetim Masası)** > **Network (Ağ)** öğelerini tıklatın.
2. **TCP/IP**, sonra **Properties (Özellikler)** öğelerini seçin.



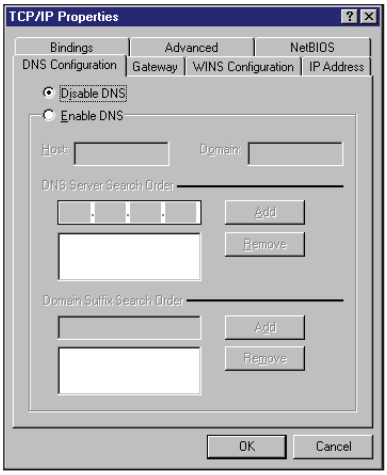
3. Bilgisayarınızın otomatik olarak bir IP adresi almasını istiyorsanız, **Obtain an IP address automatically (Otomatik olarak bir IP adresi al)** OK (Tamam) öğesini tıklatın. İstemiyorsanız, **Specify an IP address (Bir IP adresi belirtin)** öğesini tıklatıp **IP address (IP adresi)** ve **Subnet Mask (Alt Ağ Maskesi)** bilgilerini girin.



4. **Gateway (Ağ Geçidi)** sekmesini seçip **New gateway (Yeni ağ geçidi)** bilgilerini girin ve **Add (Ekle)** düğmesini tıklatın.

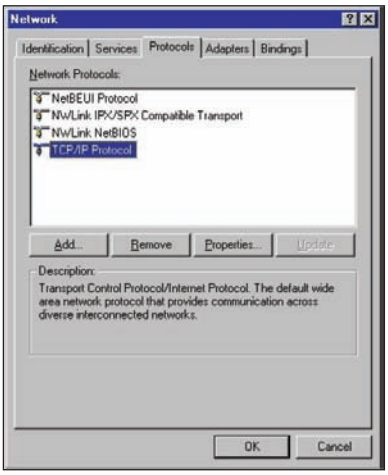


5. **DNS configuration (DNS yapılandırması)** sekmesini seçip **Enable DNS (DNS'yi Etkinleştir)** öğesini tıklatın. **Host (Ana Bilgisayar)**, **Domain (Etki Alanı)** ve **DNS Server Search Order (DNS Sunucusu Arama Düzeni)** bilgilerini girin ve **Add (Ekle)** düğmesini tıklatın.
6. **OK (Tamam)** düğmesini tıklatın.

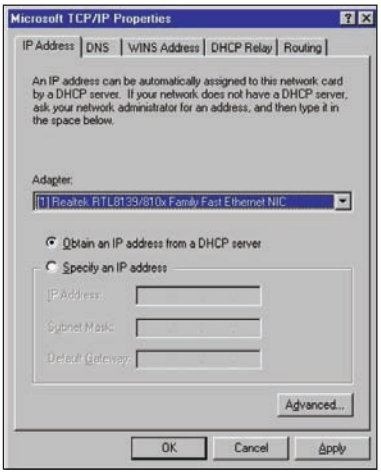


Windows® NT4.0

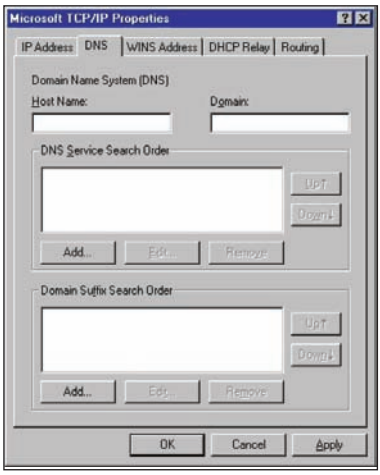
1. Network setup (Ağ kurulumu) penceresini görüntülemek için **Control Panel (Denetim Masası)** > **Network (Ağ)** kısmına gidip **Protocols (Protokoller)** sekmesini seçin.
2. Network Protocols (Ağ Protokolleri) listesinden **TCP/IP Protocol (TCP/IP Protokolü)** öğesini seçip **Properties (Özellikler)** öğesini tıklatın.



3. Microsoft TCP/IP Properties (Microsoft TCP/IP Özellikleri) penceresinin IP Address (IP Adresi) sekmesinden:
   - Sisteminizde kurulu ağ bağdaştırıcısı türünü seçebilirsiniz.
   - Yönlendiriciyi IP adresini otomatik olarak atayacak şekilde ayarlayabilirsiniz.
   - IP adresini, alt ağ maskesini ve varsayılan ağ geçidini manüel olarak belirleyebilirsiniz.

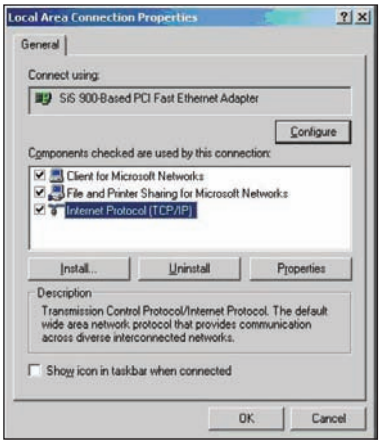


4. DNS sekmesini seçin ve **DNS Service Search Order (DNS Sunucusu Arama Düzeni)** ifadesinin altındaki **Add (Ekle)** öğesini tıklatıp DNS adresini girin.

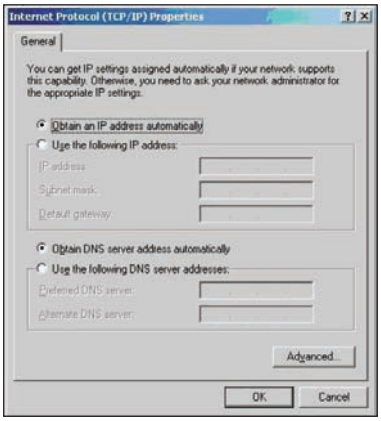


Windows® 2000

1. **Start (Başlat)** > **Control Panel (Denetim Masası)** > **Network and Dial-up Connection (Ağ ve Çevirmeli Bağlantı)** öğelerini tıklatın. **Local Area Connection (Yerel Ağ Bağlantısı)** öğesini sağ tıklatıp **Properties (Özellikler)** öğesini tıklatın.

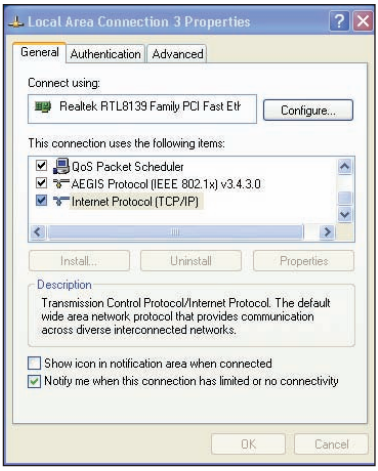


2. **Internet Protocol (Internet Protokolü) (TCP/IP)** öğesini seçip **Properties (Özellikler)** öğesini tıklatın.
3. IP ayarlarının otomatik olarak atanmasını istiyorsanız, **Obtain an IP address automatically (Otomatik olarak bir IP adresi al)** seçeneğini işaretleyin. İstemiyorsanız, **Use the following IP address (Aşağıdaki IP adresini kullan)** öğesini seçin. ve **IP address (IP adresi)**, **Subnet mask (Alt ağ maskesi)** ve **Default gateway (Varsayılan ağ geçidi)** bilgilerini girin.
4. DNS sunucu ayarlarının otomatik olarak atanmasını istiyorsanız, **Obtain an IP address automatically (Otomatik olarak bir IP adresi al)** seçeneğini işaretleyin. İstemiyorsanız, **Use the following DNS server address (Aşağıdaki DNS sunucu adresini kullan)** seçeneğini işaretleyin. ve **Preferred (Tercih edilen)** ve **Alternate DNS server (Alternatif DNS sunucusu)** bilgilerini girin.
5. Bitirdiğinizde **OK (Tamam)** düğmesini tıklatın.

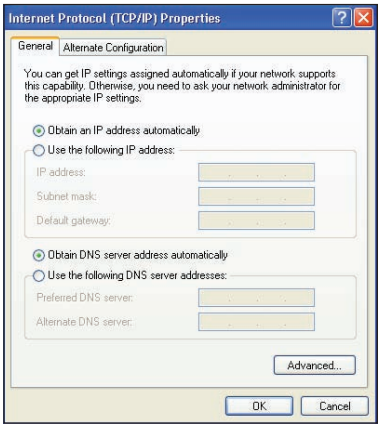


Windows® XP

1. **Start (Başlat)** > **Control Panel (Denetim Masası)** > **Network Connection (Ağ Bağlantısı)** öğelerini tıklatın. **Local Area Connection (Yerel Ağ Bağlantısı)** öğesini sağ tıklatıp Properties (Özellikler) seçeneğini işaretleyin.



2. **Internet Protocol (Internet Protokolü) (TCP/IP)** öğesini seçip **Properties (Özellikler)** öğesini tıklatın.
3. IP ayarlarının otomatik olarak atanmasını istiyorsanız, **Obtain an IP address automatically (Otomatik olarak bir IP adresi al)** seçeneğini işaretleyin. İstemiyorsanız, **Use the following IP address (Aşağıdaki IP adresini kullan)** öğesini seçin. ve **IP address (IP adresi)**, **Subnet mask (Alt ağ maskesi)** ve **Default gateway (Varsayılan ağ geçidi)** bilgilerini girin.
4. DNS sunucu ayarlarının otomatik olarak atanmasını istiyorsanız, **Obtain DNS server address automatically (DNS sunucu adresini otomatik olarak al)** seçeneğini işaretleyin. İstemiyorsanız, **Use the following DNS server addresses (Aşağıdaki DNS sunucu adreslerini kullan)** seçeneğini işaretleyin: ve **Preferred and Alternate DNS server (Tercih Edilen ve Alternatif DNS sunucusu)** bilgisini girin.
5. Bitirdiğinizde **OK (Tamam)** düğmesini tıklatın.



4 Web GUI üzerinden yapılandırma

Web GUI üzerinden yapılandırma

Yönlendiricinin web grafik kullanıcı arabirimi (web GUI) aşağıdaki özelliği yapılandırmanıza izin verir: **Setting (Ayarlar)**.

Web GUI üzerinden yapılandırmak için:

1. Kablolu veya kablosuz bağlantı oluşturduktan sonra, bir web tarayıcısı açın. Oturum açma sayfası otomatik olarak açılır.

Not: Yönlendiricinin web arabirimini açmak için, ürünün varsayılan IP adresini (**192.168.1.1**) manüel olarak da girebilirsiniz.

2. Oturum açma sayfasında varsayılan kullanıcı adını (**admin**) ve parolayı (**admin**) girin.
3. ASUS Kablosuz Yönlendiricinin çeşitli özelliklerini yapılandırmak için, ana sayfadan gezinti menüsünü veya bağlantıları tıklatın.

Ayarları Yapılandırma

Bu sayfa yönlendiricinizin ve ağınızın ayarlarını yapılandırmanıza izin verir. Aşağıdaki ayarları yapılandırmanızı sağlar: **Wireless (Kablosuz)**, **LAN**, **WAN**, **Firewall (Güvenlik Duvarı)**, **Administration (Yönetim)** ve **System Log (Sistem Günlüğü)**.

Setting (Ayarlar) sayfasını açmak için:

- Ekranınızın sol tarafındaki gezinti menüsünden **Setting (Ayarlar)** öğesini seçin.

Ürün yazılımını güncelleştirme

Not: ASUS web sitesinden (**http://www.asus.com**) en son ürün yazılımını indirin

Ürün yazılımını güncelleştirmek için:

1. Ekranınızın sol tarafındaki gezinti menüsünden **Setting (Ayarlar)** öğesini seçin.
2. **Administration (Yönetim)** menüsünün altındaki **Firmware Upgrade (Ürün Yazılımı Güncelleştirme)** öğesini tıklatın.
3. Bilgisayarınızdaki ürün yazılımını bulmak için **New Firmware File (Yeni Ürün Yazılımı Dosyası)** alanında **Browse (Gözat)** düğmesini tıklatın.
4. **Upload (Karşıya Yükle)** düğmesini tıklatın. Yükleme işlemi yaklaşık üç dakika sürer.

Not: Yükleme işlemi başarısız olursa, kablosuz yönlendirici otomatik olarak acil durum veya hata moduna girer ve ön paneldeki güç LED göstergesi yavaş bir şekilde yanıp söner. Sistemi kurtarmak veya eski durumuna getirmek için Firmware Restoration (Ürün Yazılımı Kurtarma) yardımcı programını kullanın. Bu yardımcı program hakkında daha fazla bilgi için, bu kılavuzun 5. Bölümündeki **Firmware Restoration (Ürün Yazılımı Onarma)** kısmına bakın.

Ayarları Geri Yükleme/Kaydetme/Karşıya Yükleme

Ayarları geri yüklemek/kaydetmek/karşıya yüklemek için:

1. Ekranınızın sol tarafındaki gezinti menüsünden **Setting (Ayarlar)** öğesini seçin.
2. **Administration (Yönetim)** menüsünün altındaki **Restore/Save/Upload Setting (Ayarları Geri Yükle/Kaydet/Karşıya Yükle)** öğesini tıklatın.

3. Gerçekleştirmek istediğiniz görevleri seçin:
   - Varsayılan fabrika ayarlarını geri yüklemek için **Restore (Geri Yükle)** düğmesini ve onay mesajı geldiğinde **OK (Tamam)** düğmesini tıklatın.
   - Geçerli sistem ayarlarını kaydetmek için **Save (Kaydet)** düğmesini tıklatın ve sistem dosyasını tercih ettiğiniz konuma kaydetmek üzere dosya karşıdan yükleme penceresinde **Save (Kaydet)** düğmesini tıklatın.
   - Önceki sistem ayarlarını geri yüklemek için, geri yüklemek istediğiniz sistem dosyasını getirmek üzere **Browse (Gözat)** düğmesini, sonra **Upload (Karşıya Yükle)** düğmesini tıklatın.

5 Yardımcı programları kurma

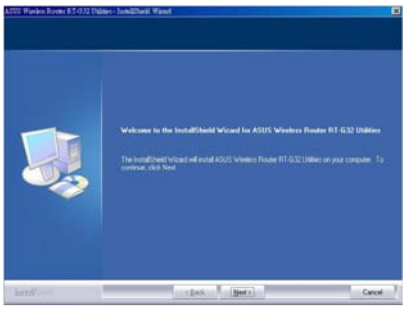
Yardımcı programları kurma

Destek CD"si, ASUS Kablosuz Yönlendiricinin yapılandırılması için gerekli yardımcı programları içerir. ASUS WLAN Yardımcı Programlarını Microsoft® Windows'ta kurmak için, destek CD'sini CD sürücüye yerleştirin. Autorun (Otomatik çalıştır) özelliği devre dışı bırakılmışsa, destek CD'sinin kök dizininden **setup.exe** uygulamasını çalıştırın.

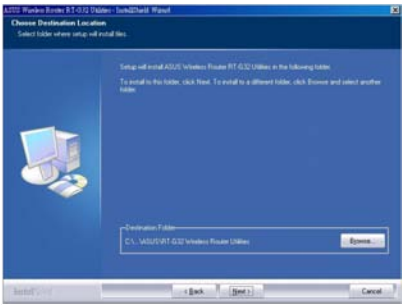
Yardımcı programları yüklemek için:

1. **Install ASUS Wireless Router Utilities (ASUS Kablosuz Yönlendirici Yardımcı Programlarını Yükle)** öğesini tıklatın.

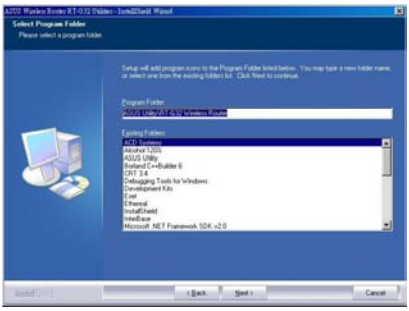
2. **Next (İleri)** düğmesini tıklatın.



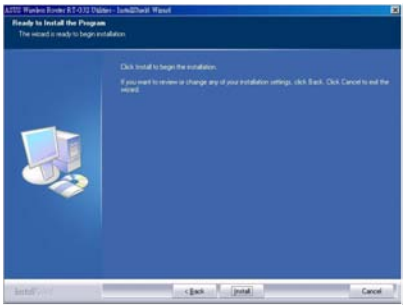
3. Varsayılan hedef klasörü kabul etmek için **Next (İleri)** düğmesini veya başka bir yol belirtmek için **Browse (Gözat)** düğmesini tıklatın.



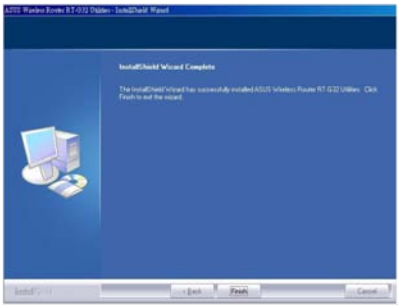
4. **Next (İleri)** düğmesini tıklatın.



5. Yardımcı programı yüklemek için **Install (Yükle)** düğmesini tıklatın.



6. Kurulum tamamlandığında **Finish (Son)** düğmesini tıklatın.

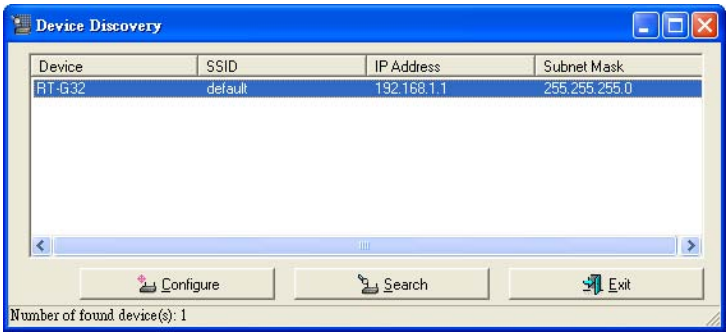


Device Discovery

Device Discovery, ASUS Kablosuz Yönlendirici aygıtlarını bulan ve aygıtı yapılandırmanızı sağlayan bir ASUS WLAN yardımcı programıdır.

Device Discovery yardımcı programını başlatmak için:

- Bilgisayarınızın masaüstünden **Start (Başlat) > All Programs (Tüm Programlar) > ASUS Utility (ASUS Yardımcı Programı) > RT-G32 Wireless Router (RT-G32 Kablosuz Yönlendirici) > Device Discovery** öğelerini tıklatın.



Ürün Yazılımı Onarma

Firmware Restoration (Ürün Yazılımı Onarma), ürün yazılımı güncelleştirme işlemi sırasında hata veren ASUS Kablosuz Yönlendiriciyi bulan ve belirttiğiniz ürün yazılımını onaran veya yeniden karşıya yükleyen bir yardımcı programdır. İşlem yaklaşık üç veya dört dakika sürer.

Bozuk ürün yazılımı, yükseltme hatası veya sistem kilitlenmesi gibi anormal bir durumla karşılaşmadıkça bu yardımcı programı **KULLANMAYIN**.

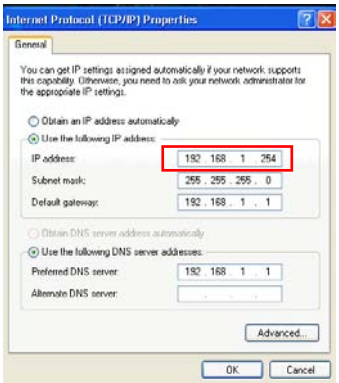
1. Web sitemizden (http://support.asus.com/download/download.aspx?SLanguage=en-us) en son ürün yazılımı sürümünü ve yardımcı programını yükleyin.
2. Sıkıştırılmış yardımcı program dosyasını açıp **Setup.exe** uygulamasını çalıştırın. Kurulumu tamamlamak için **Next (İleri)** düğmesini tıklatın.

IP adresini manüel olarak belirleme

Start (Başlat) > **Control Panel (Denetim Masası)** > **Network Connection (Ağ Bağlantısı)** öğelerini tıklatın. **Local Area Connection (Yerel Ağ Bağlantısı)** öğesini sağ tıklatıp **Properties (Özellikler)** seçeneğini işaretleyin.

IP adresini manüel olarak belirleyin (192.168.1.254).

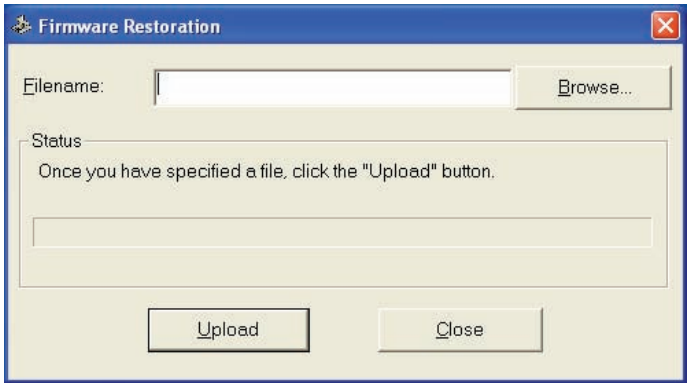
- İletim için ideal bir ortam oluşturmak üzere kablolu bağlantı kullanmanızı ve IP adresini manüel olarak belirlemenizi öneririz.
- PC'deki güvenlik duvarının devre dışı bırakıldığından emin olun.



3. Kablosuz yönlendiricinin gücünü kapatın, sıfırlama düğmesine basılı tutun ve aygıtı tekrar açın. WLAN LED'i yanıp söndükten sonra, kablosuz aygıt kurtarma moduna geçer.

Ürün yazılımı güncelleştirilirken sistemi **KAPATMAYIN veya SIFIRLAMAYIN**! Bu, sistem önyükleme hatasına neden olabilir!

4. Windows® masaüstünüzden > **Start (Başlat)** > **All programs (Tüm programlar)** > **ASUS Utility (ASUS Yardımcı Programı)** > **RT-G32 Wireless Router (RT-G32 Kablosuz Yönlendirici)** > **Firmware Restoration** öğelerini tıklatın.
5. Ürün yazılımı dosyasını seçmek için **Browse (Gözat)** düğmesini, sonra **Upload (Karşıya Yükle)** düğmesini tıklatın.



6. Ürün yazılımını başarılı bir şekilde karşıya yükledikten sonra, aygıt otomatik olarak yeniden başlatılır.

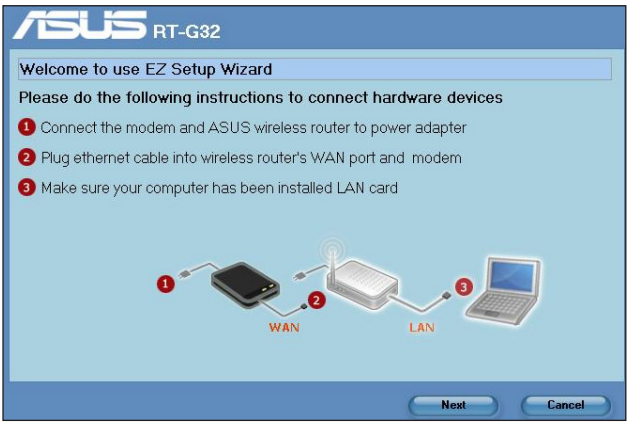
EZSetup

EZSetup, kablosuz ağınızı kolayca kurmanızı sağlayan bir yardımcı programdır

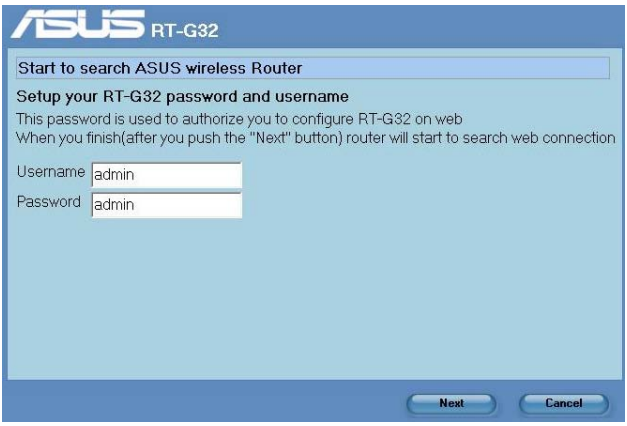
EZSetup uygulamasını yüklemeden önce, RT-G32 ürününüzün RJ45 kablosuyla modeme veya PC'ye bağlandığından emin olun.

EZSetup uygulamasını kullanmak için:

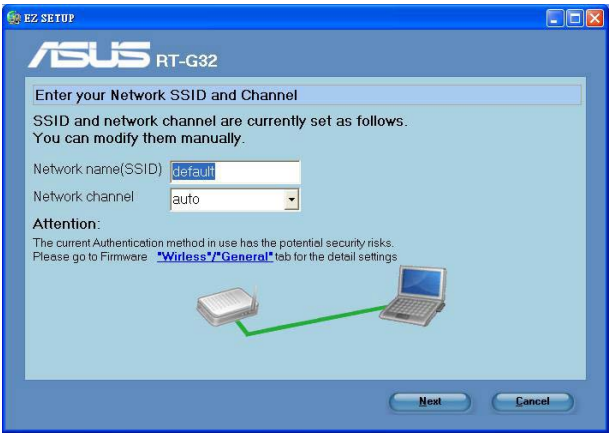
1. Donanım aygıtını bağlamak için yönergeleri izleyin. Tamamladığınızda **Next (İleri)** düğmesini tıklatın.



2. Kablosuz yönlendiriciyi web'de yapılandırmak için kullanıcı adını ve parolayı girin. Tamamladığınızda **Next (İleri)** düğmesini tıklatın.

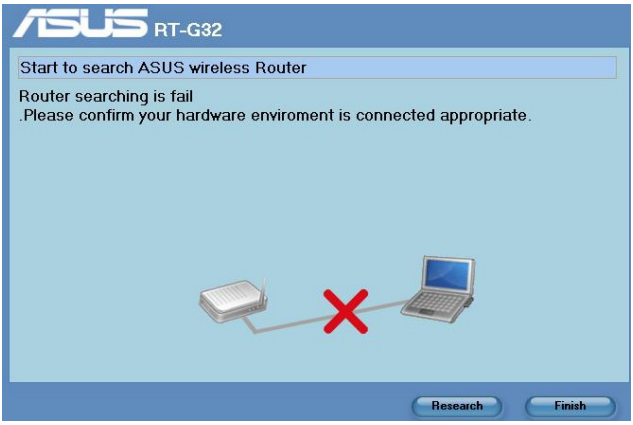


3. Ağ SSID ayarı yapıldıktan ve kanal bağlandıktan sonra, devam etmek için **Next (İleri)** düğmesini tıklatın.



(Bağlanıyor)

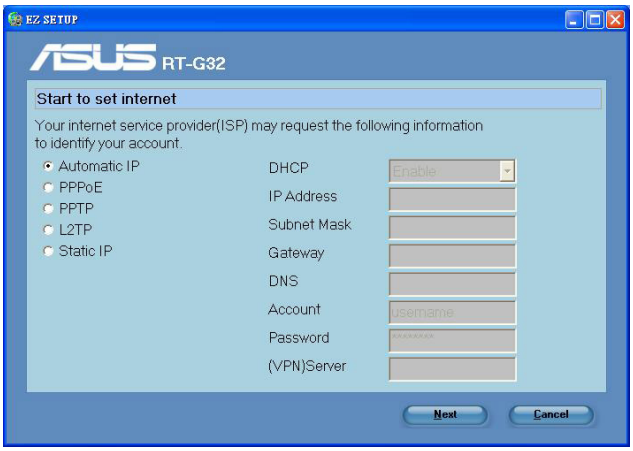
Bağlantı başarısız olursa, donanım ortamının doğru şekilde bağlandığından emin olun ve tekrar arama yapmak için **Re-search (Tekrar ara)** öğesini tıklatın.



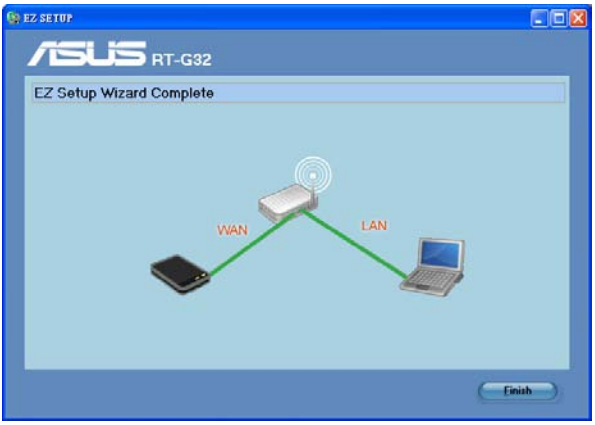
(Bağlantı başarısız)

4. Temel ISP bağlantı ayarlarını yapılandırmak için **Next (İleri)** düğmesini tıklatın. Dahili ağ ayarlarını tamamlamak için **Finish (Son)** düğmesini tıklatın.

5. Aşağıdaki ISP servisi türlerinin arasından bağlantı türünüzü seçin: **Automatic IP (Otomatik IP)**, **PPPoE**, **PPTP**, **L2TP** ve **Static IP (Statik IP)**. ISP bağlantı türünüz için gerekli bilgileri girin. Tamamladığınızda **Next (İleri)** düğmesini tıklatın.



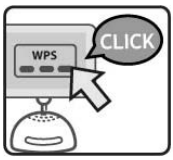
6. Tamamladığınızda **Finish (Son)** düğmesini tıklatın.



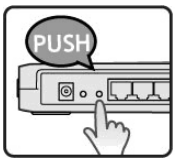
WPS Hızlı Düğme Kurulumu

WPS işlevi olan kablosuz bağdaştırıcılı (örn. ASUS USB-N11 ve PCI-G31 adaptör) bir PC bağlarken, WPS Quick setup (WPS Hızlı kurulum) özelliğini etkinleştirmek için lütfen aşağıdaki yönergeleri izleyin.

1. WPS'yi kullanmak için, hem RT-G32 kablosuz yönlendiricinin hem de diğer bilgisayarın kablosuz yazılımında WPS işlevinin etkinleştirildiğinden emin olun.



2. RT-G32 kablosuz yönlendiricinin arka panelindeki WPS düğmesine basın.



3. WPS bağlantısı kurulduktan sonra RT-G32 WLAN LED'i yanar ve yavaş bir şekilde yanıp söner.

6 Sorun giderme

Sorun giderme

Bu sorun giderme kılavuzu, ASUS Kablosuz Yönlendiriciyi kurarken veya kullanırken karşılaşabileceğiniz bazı sorunlar için çözümler sunar. Bu sorunlar, kendi başınıza gerçekleştirebileceğiniz basit sorun giderme işlemleriyle çözülebilir. Bu bölümde yer almayan sorunlarla karşılaşırsanız, ASUS Teknik Destek birimiyle bağlantı kurun.

Sorun	İşlem
Yönlendiriciyi yapılandırmak için bir web tarayıcısına erişim yapamıyorum.	1. Bir web tarayıcısı açın, sonra **Tools (Araçlar)** > **Internet Options... (Internet Seçenekleri)** öğelerini tıklatın 2. **Temporary Internet files (Geçici Internet dosyaları)** altındaki **Delete Cookies... (Tanımlama Bilgilerini Sil)** ve **Delete Files... (Dosyaları Sil)** öğelerini tıklatın
İstemci, yönlendiriciyle kablosuz bağlantı kuramıyor.	**Kapsama Alanı Dışında:** • Yönlendiriciyi kablosuz istemcinin yakınına koyun. • Kanal ayarlarını değiştirmeye çalışın. **Kimlik Doğrulama:** • Yönlendiriciye bağlanmak için kablolu bağlantıyı kullanın. • Kablosuz güvenlik ayarlarını denetleyin. • Arka paneldeki Reset (Sıfırla) düğmesine beş saniyeden uzun bir süre basın. **Yönlendirici bulunamıyor:** • Arka paneldeki Reset (Sıfırla) düğmesine beş saniyeden uzun bir süre basın. • Kablosuz bağdaştırıcı ayarlarını (ör. SSID ve şifreleme ayarları) kontrol edin.

Sorun	İşlem
LAN bağdaştırıcısıyla Internete erişilemiyor	• Yönlendiriciyi kablosuz istemciye daha yakın bir noktaya taşıyın. • Kablosuz bağdaştırıcının doğru kablosuz yönlendiriciye bağlanıp bağlanmadığını denetleyin. • Kullanılan kablosuz bağlantı kanalının ülkenizdeki/bölgenizdeki mevcut kanallarla uyumlu olup olmadığını denetleyin. • Şifreleme ayarlarını denetleyin. • ADSL veya Kablo bağlantısının doğru olup olmadığını denetleyin. • Başka bir Ethernet kablosu kullanarak tekrar deneyin.
Internete erişilemiyor	• ADSL modem ve kablosuz yönlendiricideki durum göstergelerini denetleyin. • Kablosuz yönlendiricideki WAN LED'inin yanıp yanmadığını denetleyin. LED yanmıyorsa, kabloyu değiştirip tekrar deneyin.
ADSL Modem “Link” ışığı yanıyorsa (yanıp sönmemeli), bu Internet Erişiminin mümkün olmadığını gösterir.	• Bilgisayarınızı yeniden başlatın. • Kablosuz yönlendiricinin Hızlı Başlangıç Kılavuzuna başvurun ve ayarları tekrar yapılandırın. • Kablosuz yönlendiricideki WAN LED'inin yanıp yanmadığını denetleyin. • Kablosuz şifreleme ayarlarını denetleyin. • Bilgisayarın IP adresini alıp alamadığını denetleyin (hem kablolu, hem kablosuz ağ üzerinden). • Web tarayıcınızın yerel LAN'ı, aynı zamanda bir proxy sunucusunu kullanacak şekilde yapılandırılmadığından emin olun.
ADSL "LINK" ışığı sürekli yanıp sönüyorsa veya kapalı ise, Internet erişimi mümkün değildir; Yönlendirici ADSL ağı ile bağlantı kuramıyordur.	• Tüm kablolarınızın doğru şekilde bağlandığından emin olun. • ADSL veya kablo modemin güç kablosunu çıkarın, birkaç dakika bekleyin, sonra kabloyu tekrar takın. • ADSL ışığı yanıp sönmeye devam ederse veya kapalı kalırsa, ADSL servis sağlayıcınıza başvurun.

Sorun	İşlem
Ağ adı veya şifreleme anahtarları unutulmuş	• Kablolu bağlantıyı yeniden oluşturmayı ve kablosuz şifrelemeyi tekrar yapılandırmayı deneyin. • Kablosuz yönlendiricinin arka panelindeki Restore (Geri Yükle) düğmesine beş saniyeden uzun bir süre basın.
Sistemi varsayılan ayarlarına geri yükleme	• Kablosuz yönlendiricinin arka panelindeki Restore (Geri Yükle) düğmesine beş saniyeden uzun bir süre basın. • Bu kullanma kılavuzunun 4. Bölümündeki **Restoring to the default settings (Varsayılan ayarları geri yükleme)** bölümüne bakın. Aşağıdakiler, varsayılan fabrika ayarlarıdır: **Kullanıcı Adı:** admin **Parola:** admin **DHCP Etkin:** Yes (Evet) (WAN kablosu takılı ise) **IP adresi:** 192.168.1.1 **Etki Alanı Adı:** (Boş) **Alt Ağ Maskesi:** 255.255.255.0 **DNS Sunucusu 1:** 192.168.1.1 **DNS Sunucusu 1:** (Boş) **SSID:** default

Ekler

Notices

Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter

Safety Information

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Use on the supplied antenna.

Declaration of Conformity for R&TTE directive 1999/5/EC

Essential requirements – Article 3

Protection requirements for health and safety – Article 3.1a

Testing for electric safety according to EN 60950-1 has been conducted. These are considered relevant and sufficient.

Protection requirements for electromagnetic compatibility – Article 3.1b

Testing for electromagnetic compatibility according to EN 301 489-1 and EN 301 489-17 has been conducted. These are considered relevant and sufficient.

Effective use of the radio spectrum – Article 3.2

Testing for radio test suites according to EN 300 328- 2 has been conducted. These are considered relevant and sufficient.

CE Mark Warning

This is a Class B product, in a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

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Version 2, June 1991

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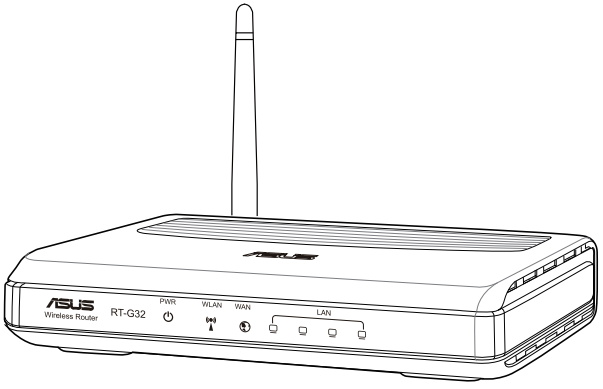
RT-G32
無線路由器



使 用 手 冊

T4264
第一版
2008 年 12 月

目 錄 內 容

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關於這本使用手冊

產品使用手冊包含了所有當您在安裝華碩無線路由器時所需用到的資訊。

使用手冊的編排方式

使用手冊是由下面幾個章節所組成：

- **第一章：認識您的無線路由器**

  本章介紹了此華碩無線路由器的包裝內容物、系統要求、硬體功能與 LED 指示燈的資訊。

- **第二章：硬體裝置設定**

  本章介紹如何設定、存取華碩無線路由器。

- **第三章：設定網路用戶端**

  本章介紹如何設定無線路由器網路內的用戶端。

- **第四章：使用網頁圖形介面設定路由器**

  本章介紹如何使用網頁圖形介面設定華碩無線路由器。

- **第五章：安裝應用程式**

  本章介紹了驅動程式與應用程式光碟內的應用程式資訊。

- **第六章：疑難排解**

  本章介紹了您在使用華碩無線路由器過程中可能遇到的一些常見問題的解決方法。

- **附錄**

  本章介紹一些常用安全資訊。

提示符號

警告：提醒您在進行某一項工作時要注意您本身的安全。

小心：提醒您在進行某一項工作時要注意勿傷害到裝置元件。

重要：此符號表示您必須要遵照手冊所描述之方式完成一項或多項軟硬體的安裝或設定。

注意：提供有助於完成某項工作的訣竅和其他額外的資訊。

1 認識您的無線路由器

包裝內容物

在您拿到本路由器包裝盒之後，請馬上檢查下面所列出的各項標準配件是否齊全。

- ☑ RT-G32 無線路由器
- ☑ 電源變壓器
- ☑ 應用程式光碟（使用手冊、應用程式）
- ☑ RJ45 網路線
- ☑ 快速使用指南

若以上列出的任何一項配件有損毀或是短缺的情形，請儘快與您的經銷商聯絡。

系統需求

在安裝華碩無線路由器之前，請確認您的系統 / 網路滿足下列需求：

- 一個 Ethernet RJ-45 連接埠 （10Base-T/100Base-TX）
- 至少一個支援無線功能的 IEEE 802.11b/g 設備
- 已安裝 TCP/IP 與網路瀏覽器
- 支援 Internet Explorer 6.0 或更高版本

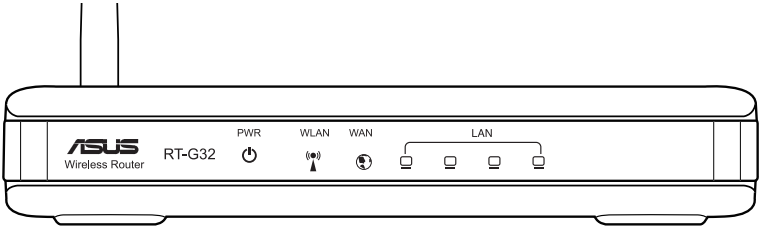
在您安裝前

在安裝華碩無線路由器之前請閱讀以下注意事項：

- 連結設備與網路（集線器、ADSL / cable modem、路由器等）的網路線應在 100 公尺範圍內。
- 將設備置於平穩光滑桌面，遠離桌子邊緣以免設備墜地。
- 設備應遠離金屬障礙物並避免陽光直射。
- 設備應遠離變壓器、高功率電動機、日光燈、微波爐、電冰箱等設備，以避免訊號丟失。
- 請將設備安裝在合適區域以便對所有無線行動設備進行訊號覆蓋。
- 將設備安裝於距離人體 20cm 以外的地方，以確認本產品運作環境符合 FCC 的相關規定。

硬體裝置

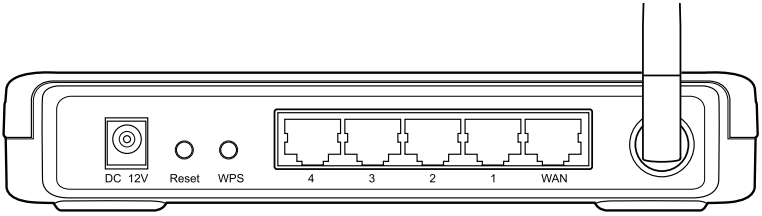
前面板



狀態指示燈

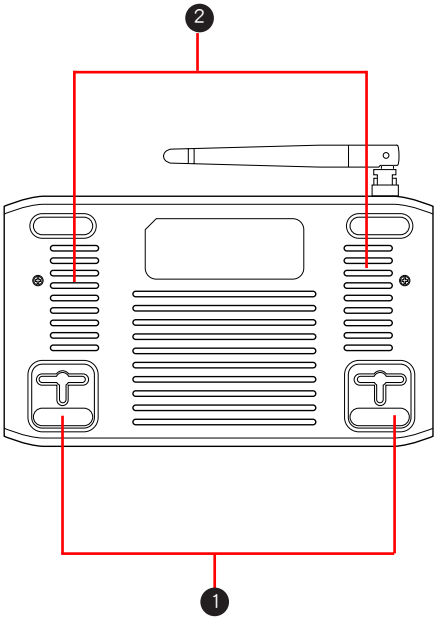
指示燈	狀態	描述
⏻（電源）	燈滅	電源關閉
	燈亮	系統待命中
WLAN（無線網路）	燈滅	電源關閉
	燈亮	無線系統待命中
	閃爍	傳輸或接收資料中（無線網路）
LAN 1-4（區域網路）	燈滅	電源關閉或沒有建立實體連線
	燈亮	已建立實體連線至區域網路
	閃爍	傳輸或接收資料中（透過乙太網路線）
WAN（廣域網路）	燈滅	電源關閉或沒有建立實體連線
	燈亮	已建立實體連線至乙太網路
	閃爍	傳輸或接收資料中（透過乙太網路線）

後面板



項目	描述
天線	手動調節天線以獲得更好的收訊效果
WPS	按下此按鈕開啟 WPS 應用程式
Reset	按下此按鈕三秒鐘可將路由器系統復原到出廠預設值。
WAN	將 RJ-45 網路線連接至這些連接埠以建立 WAN 連線。
LAN1-LAN4	將 RJ-45 網路線連接至這些連接埠以建立 LAN 連線。
DC 12V	將 DC 變壓器插入此電源孔以將路由器連接到電源。

底部



項目	描述
1	**安裝掛鉤** 用兩顆螺絲將路由器安裝於混凝土或木質表面。
2	**散熱孔** 這些散熱孔用來通風

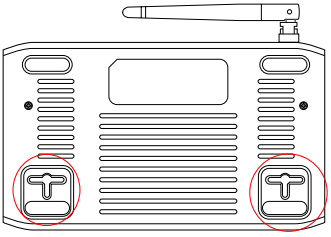
注意：有關安裝路由器於牆面或天花板的詳細說明，請參考下一頁。

安裝選項

華碩無線路由器可安裝於高處的平面上，如衣櫥或書架上，也可以固定於牆上或天花板上。

請依以下步驟安裝華碩路由器：

1. 找到路由器底部的兩個安裝掛鉤。
2. 在牆上或高處的平面上標註兩個孔位。
3. 轉入兩顆螺絲，直到只露出 1/4。
4. 將無線路由器掛到牆上的螺絲上。



注意：若螺絲太鬆或無法將路由器掛到螺絲上，請調整螺絲位置。.

2 設定硬體裝置

設定無線路由器

華碩無線路由器可以透過不同的設定來滿足各類型的使用需求。預設設定需要做一些改變來滿足您個人的要求。此外，華碩提供了一個名為 EZSetup 的應用程式，可讓您快速方便地設定安全無線網路。

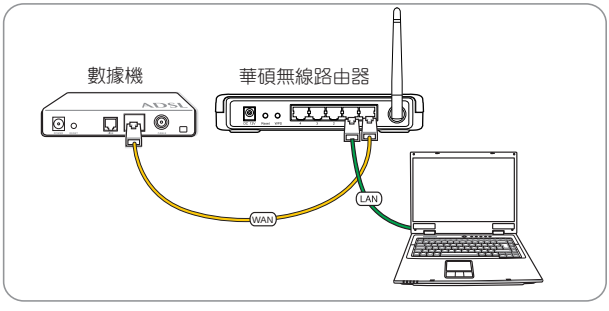
注意：有關 EZSetup 的更多資訊，請參考本手冊第 5 章的說明。

有線連接

在本產品的包裝中，內含有一條可用於連接華碩無線路由器的乙太網路線。而華碩無線路由器本身具備自動偵測跳線/平行線功能，因此您可以使用已跳線或未跳線的乙太網路線來連接路由器。

請依照以下步驟進行有線連接:

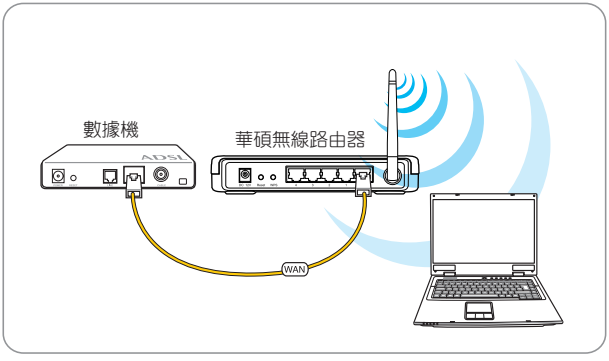
1. 開啟路由器與數據機。
2. 用網路線將路由器的 WAN 連接埠與數據機相連。
3. 用另一條網絡線將路由器的 LAN 連接埠與您電腦的 LAN 連接埠相連。



無線連接

請依照以下步驟進行無線連接:

1. 開啟路由器與數據機。
2. 用網路線將路由器的 WAN 連接埠與數據機相連。
3. 要建立無線連接的方式，您需要一個支援 IEEE 802.11b/g/n 標準的無線網路卡。請參考與華碩無線路由器搭配使用的無線網路卡的使用手冊。華碩無線路由器的預設 SSID 是「default」（小寫），至於加密設定則為關閉，並採用開放系統認證。



設定無線路由器

華碩無線路由器包含一個網頁圖形介面（web GUI），您可以利用電腦上的網路瀏覽器進行無線路由器的設定。

使用網頁圖形介面設定

若您使用網路線接電腦與無線路由器，開啟一個網路瀏覽器，路由器的網頁圖形介面登入畫面會自動出現。

如果您的電腦與路由器是無線連線，請先選擇網路。

請依照以下步驟選擇網路：

1. 點選 **開始** > **控制台** > **網路連線** > **無線網路連線**。
2. 在「選擇一個無線網路」視窗中選擇一個網路。然後等待連接。

注意：預設設定時，RT-G32 的 SSID 為 [default]。請連接到這一預設 SSID。

3. 建立無線連線後，開啟一個網路瀏覽器。

注意：

- 您也可以手動鍵入預設 IP 位址（192.168.1.1）以開啟路由器網頁圖形介面。
- 更多關於透過網頁圖形介面設定無線路由器的資訊，請參考第四章：使用網頁圖形介面設定路由器。

3 設定網路用戶端

使用無線路由器

為有線或無線用戶端設定一個 IP 位址

為使用華碩無線路由器，您的有線或無線用戶端上必須有正確的 TCP/IP 設定。請確認用戶端的 IP 位址與華碩無線路由器的子網路一致。

華碩路由器內建 DHCP 伺服器功能，當系統開啟時，它將自動指定 IP 位址到網路中的用戶端。

但在某些情況下，您可能更願意手動指派某些您網路內的用戶端或電腦的靜態 IP 位址，而不是透過您的無線路由器自動獲得 IP 位址。

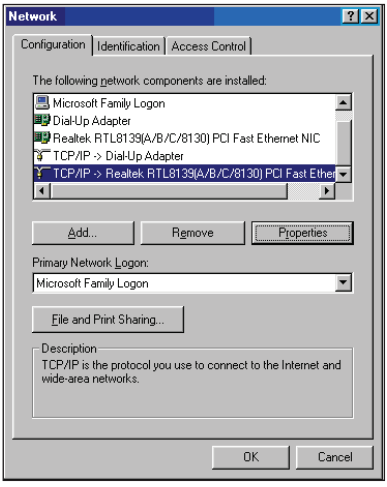
以下是設定您電腦的步驟。請根據您所使用的作業系統選擇適當的操作步驟。

注意：如果您想手動指派一個 IP 位址，建議使用下列設定：

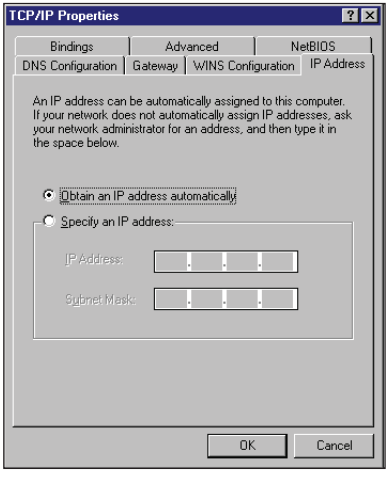
- **IP 位址：**192.168.1.xxx （xxx 可為 2 至 254 之間的數字。請確認該 IP 位址沒有被其他裝置使用。
- **子網路遮罩：**255.255.255.0（與華碩無線路由器一致）
- **閘道：**192.168.1.1（華碩無線路由器的 IP 位址）
- **DNS：**192.168.1.1（華碩無線路由器）或者指派一個網路內的已知 DNS 伺服器。

Windows® 9x/ME

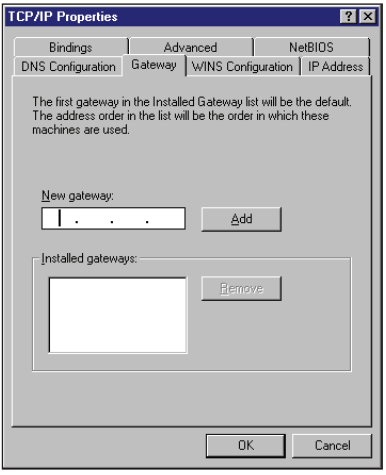
1. 依次點選 **Start > Control Panel > Network**，此時將會出現 Network 設定視窗。



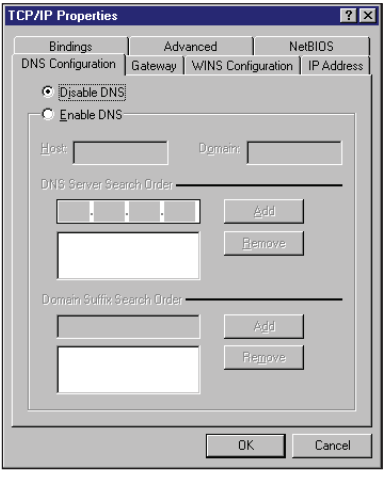
2. 在 TCP/IP 標籤頁中，點選 **Properties**。
3. 若您想讓電腦自動獲取 IP 位址，請點選「Obtain an IP address automatically」，然後按下 **OK**。或者，您也可以點選「Specify an IP address」，手動輸入 IP 位址和子網路遮罩。



4. 選擇 Gateway 標籤頁，在 New gateway 欄位輸入新的閘道位址，然後點選 **Add**。



5. 選擇 **DNS configuration** 標籤頁，並點選「Enable DNS」。輸入 Host、Domain 以及 DNS Server Search Order，然後點選 **Add**。
6. 點選 **OK**。

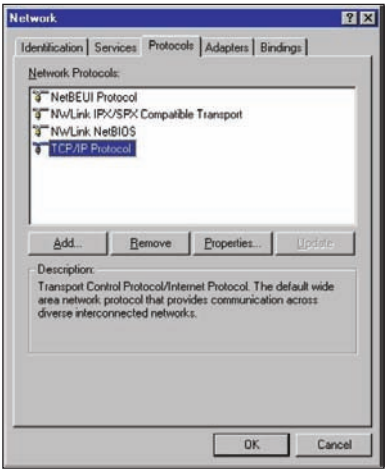


Windows® NT4.0

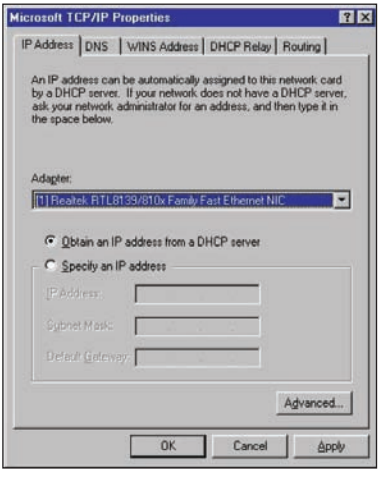
1. 依次點選 **Control Panel > Network**，此時將會出現 Network 設定視窗。

   選擇 **Protocols** 標籤頁。

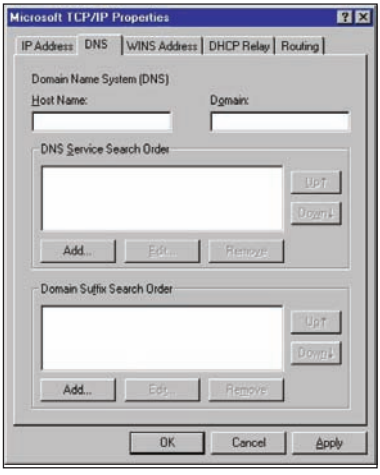
2. 從 Network Protocols 列表中選擇「TCP/IP Protocol」，然後點選 **Properties**。



3. 在 Microsoft TCP/IP Properties 視窗的 IP Address 標籤頁，您可以：
   - 在 Adapter 欄位選擇您的系統的網路適配卡。
   - 若您想要使用路由器指定的 IP 位址，請選擇「Obtain an IP address from a DHCP server」。
   - 若您想使用特定的 IP 位址，請選擇「Specify an IP address」，並在「IP Address」、「Subnet Mask」與「Default Gateway」欄中輸入正確的 IP 位址、子網路遮罩和預設閘道。

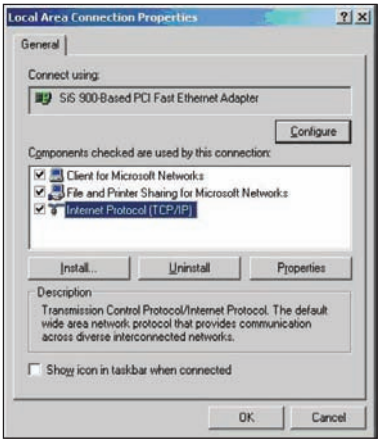


4. 選擇 DNS 標籤頁並點選 DNS Service Search Order 列表下面的 **Add** 按鈕，然後輸入 DNS。

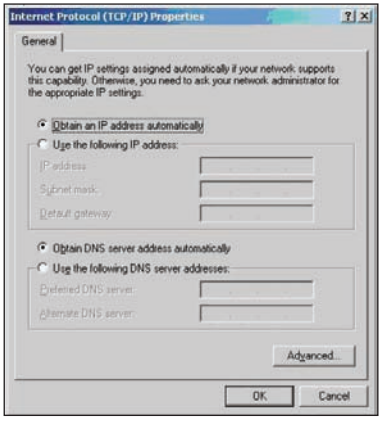


Windows® 2000

1. 依次點選 **Start** > **Control Panel** > **Network and Dial-up Connection**。右鍵點選 **Local Area Connection**，然後點選 **Properties**。

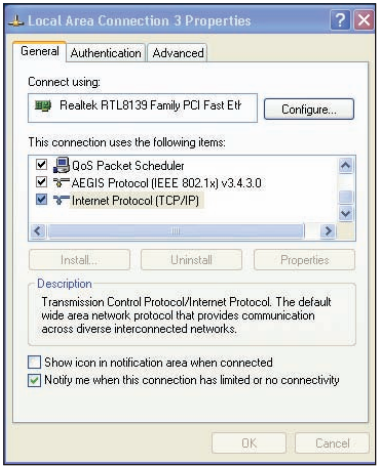


2. 選擇「Internet Protocol (TCP/IP)」，然後點選 **Properties**。
3. 若您想要使用路由器自動指定的 IP 位址，請選擇「Obtain an IP address automatically」。或者，您也可以點選「Use the following IP address」，手動輸入 IP 位址、子網路遮罩和預設閘道。
4. 若您想要子動獲取 DNS 伺服器，請選擇「Obtain DNS server address automatically」。或者，您也可以點選「Use the following DNS server address」，手動輸入 Prefered DNS server 與 Alternate DNS server 之 IP 位址。
5. 完成後點選 **OK**。

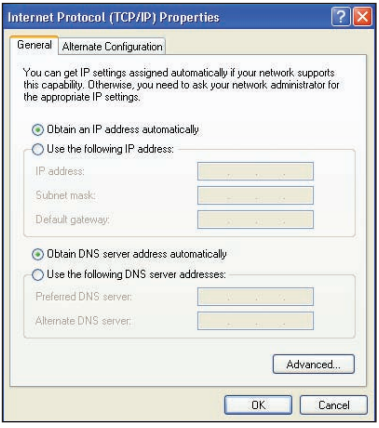


Windows® XP

1. 依次點選 **Start > Control Panel > Network Connection**。右鍵點選 **Local Area Connection**，然後選擇 **Properties**。



2. 選擇「Internet Protocol (TCP/IP)」，然後點選 **Properties**。
3. 若您想要使用路由器自動指定的 IP 位址，請選擇「Obtain an IP address automatically」。或者，您也可以點選「Use the following IP address」，手動輸入 IP 位址、子網路遮罩和預設閘道。
4. 若您想要自動獲取 DNS 伺服器，請選擇「Obtain DNS server address automatically」。或者，您也可以點選「Use the following DNS server address」，手動輸入 Prefered DNS server 與 Alternate DNS server 之 IP 位址。
5. 完成後點選 **OK**。



4 使用網頁圖形介面設定路由器

使用網頁圖形介面進行設定

路由器的網頁圖形介面（web GUI）可讓您設定路由器的功能。

請依照以下步驟透過網頁圖形介面進行設定：

1. 建立有線或無線連接後，開啟一個網路瀏覽器。登入頁面會自動出現。

注意：您可以手動輸入路由器預設 IP 位址（192.168.1.1）來開啟路由器網路介面。

2. 在登入頁面中，輸入預設使用者名稱（admin）與密碼（admin）。
3. 接著會出現華碩無線路由器主頁。主頁顯示快速連結，可設定無線路由器的主要功能。

設定

本頁面允許您對您的路由器與網路進行設定。您可以為以下項目進行設定：無線網路、內部網路、外部網路、防火牆、系統管理與系統記錄。

請依照以下步驟開啟設定畫面：

- 點選螢幕左邊導航選單中的 **設定**。

韌體更新

注意：請造訪華碩網站（http://tw.asus.com）下載最新韌體。

請依照以下步驟進行韌體更新：

1. 點選螢幕左邊導航選單中的 **設定**。
2. 點選 **系統管理** 選單下的 **韌體更新**。
3. 在 **新韌體更新** 中點選 **瀏覽**，開啟您欲更新的韌體檔。
4. 點選 **上傳**。過程將需要大約三分鐘。

注意：如果更新進程失敗，無線路由器將自動進入緊急模式或失敗模式，並且前面板上的電源 LED 指示燈緩慢閃爍。請使用 Firmware Restoration 應用程式還原系統。詳情請參考第五章 韌體回復（Firmware Restoration）的有關內容。

還原 / 匯出 / 上傳設定

請依照以下步驟進行 還原 / 匯出 / 上傳設定：

1. 點選螢幕左邊導航選單中的 **設定**。
2. **點選 系統管理** 選單下的 **還原 / 匯出 / 上傳設定**。

3. 選擇您想要進行的操作：
   - 想還原為出廠預設值，點選 **還原**，然後按下確認訊息中的 OK。
   - 想匯出現有系統設定，點選 **匯出**，然後點選檔案下載視窗中的 **匯出** 將您的系統檔案儲存在您欲儲存的路徑下。
   - 想還原系統設定，點選 **瀏覽** 開啟您欲回復的系統檔案，然後按下 **上傳**。

5 安裝應用程式

安裝應用程式

應用程式光碟包含用於設定華碩無線路由器的應用程式。在 Microsoft® Windows 作業系統下安裝華碩無線路由器應用程式，請將應用程式 CD 插入光碟機。如果未開啟「自動安插通知」功能，請點選應用程式光碟子目錄中的 **setup.exe**。

請依照以下步驟安裝應用程式：

1. 點選 **安裝華碩路由器應用程式**。

2. 點選 **下一步** 繼續。

3. 點選 **下一步** 以確認應用程式安裝的預設位置或點選 **瀏覽** 以選擇另一位置。

4. 點選 **下一步**。

5. 點選 **安裝** 開始安裝應用程式。

6. 安裝完成後點選 **完成** 離開安裝程式。

偵測裝置（Device Discovery）

Device Discovery 是一款華碩 WLAN 應用程式，可以偵測到一個華碩無線路由器裝置，並且允許您設定該裝置。

請依照以下步驟開啟 Device Discovery 應用程式：

- 在您的電腦桌面上選擇 **開始** > **程式集** > ASUS Utility > RT-G32 Wireless Router > Device Discovery。

韌體回復（Firmware Restoration）

Firmware Restoration 應用程式用於在韌體更新失敗時搜尋更新失敗的華碩無線路由器。然後還原或上載您指定的韌體。此過程需要大約三到四分鐘。

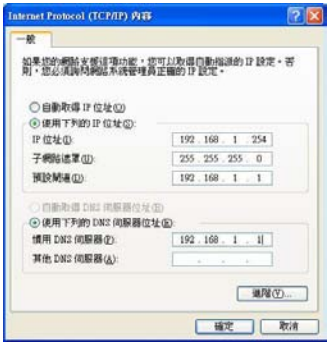
只有在您遇到韌體損毀、更新失敗或系統故障等問題時，才使用這一應用程式。

1. 從華碩網站下載最新的韌體（http://support.asus.com/download/download.aspx?SLanguage=zh-tw）。
2. 解壓縮應用程式檔案，並執行 **Setup.exe**。點選 **下一步** 結束安裝。

手動設定 IP 位址

點選 **開始** > **控制台** > **網路連線**。右鍵點選 **區域連線**，接著選擇 **內容**。手動設定 IP 位址（192.168.1.254）

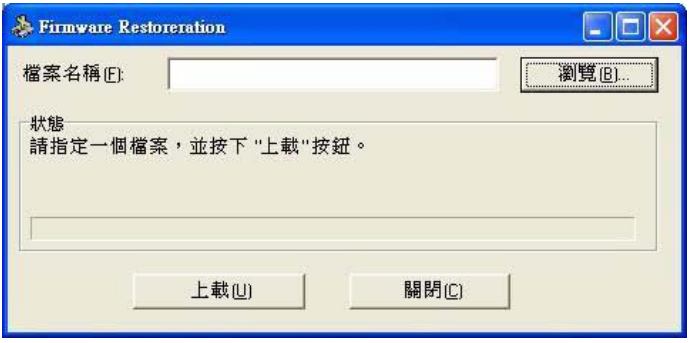
- 建議您使用有線連接並手動設定 IP 位址，以獲取理想的傳輸環境。
- 請將 PC 端的防火牆關閉。



3. 關閉無線路由器電源，按住 Reset 按鈕並重新開啟裝置。當 WLAN LED 燈閃爍之後，無線裝置進入救援（rescue）模式。

在更新韌體時請勿關閉或重新開啟裝置。如此可能造成系統啟動失敗。

4. 在 Windows® 系統的桌面上，點選 **開始** > **程式集** > ASUS Utility > RT-G32 Wireless Router > Firmware Restoration。
5. 點選 **瀏覽** 選擇韌體檔並點選 **上載**。



6. 成功上載後，裝置將自動重新啟動。

EZSetup

EZSetup 程式可讓您簡單地設定無線網路。

在安裝 EZSetup 之前，請確認您的 RT-G32 已透過 RJ45 網路線連接到數據機或 PC。

請依照以下步驟使用 EZSetup：

1. 依畫面說明連接硬體裝置。完成後點選 **下一步**。

2. 輸入使用者名稱與密碼，以使用網頁圖形介面進行設定。完成後，點選 **下一步**。

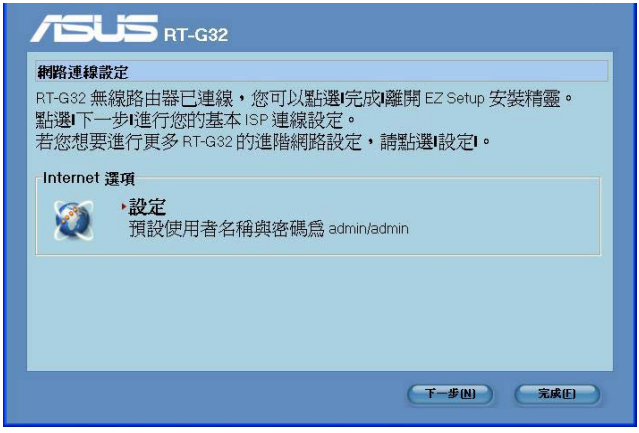
3. 當設定了 SSID 與頻道並連線成功後，點選 **下一步** 繼續。

（連線成功）

若連線失敗，請確認硬體裝置連線正確，並按下 **搜尋** 重新搜尋裝置。

（連線失敗）

4. 點選 **下一步** 進行基本的 ISP 連線設定。點選 **完成** 以結束內部網路設定。



5. 選擇您的網路連線類型：Automatic IP、PPPoE、PPTP、L2TP 與 Static IP。輸入您的網路服務提供者（ISP）所需的資訊。完成後點選 **下一步**。

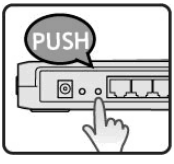
6. 完成後點選 **完成**。

WPS 快速按鈕設定

若您欲連接的 PC 使用了支援 WPS 功能之無線網路卡（如華碩 USB-N11 或 PCI-G31），請參考以下說明使用 WPS 快速設定。

1. 為使用 WPS，請確認 RT-G32 無線路由器與另一台電腦的無線軟體 WPS 功能已開啟。

2. 按下 RT-G32 無線路由器背面的 WPS 按鈕。



3. 當 WPS 連線建立後，RT-G32 WLAN LED 燈亮起並開始慢閃。

6 疑難排解

疑難排解

本章節幫您排解在安裝與使用華碩無線路由器時的常見疑難問題。若有無法自行解決的疑難或本章節未提及問題，請聯絡華碩技術支援。

疑難	排解
無法存取網頁瀏覽器進行路由器設定	1. 開啟網頁瀏覽器（如 IE），然後點選 **工具** 下拉式選單，並選擇 **網際網路選項**。 2. 分別點選 **刪除 Cookies** 與 **刪除檔案**。
無法建立無線網路連線	**超出有效範圍：** • 請將路由器放置於較靠近用戶端裝置之處。 • 嘗試進行頻道設定的變更。 **認證問題：** • 請使用採用有線連線的電腦來連接路由器。 • 檢查網路安全設定。 • 您可以嘗試按路由器後方的重置（Reset）按鈕超過 5 秒鐘後，進行硬體重置（hardware reset）的動作。 **無法搜尋到路由器：** • 您可以嘗試按路由器後方的重置（Reset）按鈕超過 5 秒鐘後，進行硬體重置（hardware reset）的動作。 • 檢查無線網路卡上的 SSID 與加密等設定。

疑難	排解
無法透過無線路由器來連線至網際網路	• 請將路由器更換至用戶端可以連線到的範圍內。 • 檢查您所使用的無線網路卡是否有連線到正確的基地台。 • 檢查所使用的無線網路頻道是符合您的所在地區/國家所規範的頻道。 • 檢查加密（金鑰）設定。 • 檢查您所使用的 ADSL 或Cable Modem 是否有連接至正確的網路埠。 • 重新更換另一條乙太網路線來連接。
無法進入網際網路	• 請檢查 ADSL 數據機與無線路由器上的 LED 燈所顯示的訊號是否正確。 • 請檢查【WAN】燈號在路由器上是否有亮。若燈號沒有顯示亮著（on）的狀態，請檢查連接兩者的網路線，並再重新測試一遍。
當 ADSL 數據機「Link」（連線）的燈號亮著（不是閃爍），這表示已經可以連線至網際網路	• 重新啟動您的電腦。 • 重新設定華碩路由器，請參考快速使用指南。 • 檢查 WAN LED 訊號燈是否亮著。 • 檢查無線網路加密（金鑰）的設定。 • 檢查欲與路由器連線的電腦是否能取得 IP 位址（經由有線網路與無線網路兩者是否皆可）。 • 檢查您的網頁瀏覽器（如 IE）是否設定為採用區域網路，以及不設定採用Proxy Server 功能。
當 ADSL 數據機「Link」（連線）的燈號持續閃爍或熄滅，這表示無法存取至網際網路 - 路由器無法與 ADSL 網路建立連線	• 請確認網路線已有正確連接。 • 請將 ASDL 或纜線數據機的電源線拔除，並等待幾分鐘後，再重新接上電源。 • 若 ADSL 數據機燈號持續閃爍或為熄滅（顯示OFF）的狀態，請與您的網路電信公司業者聯絡。
忘記網路名稱或金鑰密碼	• 試著再次透過有線連接來設定無線的加密動作。 • 按下位於路由器後方的重置（Reset）按鈕超過 5 秒鐘後，進行硬體重置（hardware reset）的動作。

疑難	排解
如何回復到預設值	以下為原廠預設的參考數值，若您按下在路由器上的 Reset（重置）鈕超過 5 秒鐘，或於 **系統設定 > 原廠預設值** 畫面中，按 Reset 按鈕而回到預設值狀態時，則在路由器上的相關的設定，會回復到原廠預設的數值，其數值則如以下所列。 使用者名稱：admin 密碼：admin 啟用 DHCP：Yes（若已連接 WAN 網路線） IP 位址：192.168.1.1 網域名稱：（空白） 子網路遮罩：255.255.255.0 DNS 伺服器 1：192.168.1.1 DNS 伺服器 2：（空白） SSID：default

附錄

注意事項

當您購買本產品後，為保障購買人權益，請於購買後壹個月內務必上網填寫完整個人資料及產品資訊並完成註冊手續。

1. 透過網路註冊，請您先加入華碩會員，在進行產品登入之作業（網址：http://member.asus.com）。
2. 妥善保留購買當時之發票或是發票憑證（影本亦可）、經銷商之售貨單據（加蓋經銷商店章始生效力），於機台故障送修時出示，始享有保固服務之權益；

   若不慎遺失相關證明單據且於購買華碩無線網路產品壹個月內，未上網進行註冊，本公司將以華碩「出貨日」為保固啟始日期。
3. 無論在任何情況下，您都不可以自行拆解修理本機,這將導致本機的保固作廢。

註冊步驟

註冊網址： http://member.asus.com

步驟1：加入會員（如已是會員，請跳到步驟5，直接「登入會員」可註冊新購買的產品）

步驟2：個人資料填寫完成後按「同意並且繼續」

步驟3：註冊系統將會發送啟用帳號的「確認碼」認證信件

步驟4：請依據確認碼信件指示進行帳號認證，以確認您會員權益

步驟5：選擇產品註冊，填寫完整的產品資訊即可完成註冊

DGT 警語

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、

加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

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