### Windows® 7 ASIO Audio Setup Guide for foobar2000

Audio Stream Input/Output, or ASIO, mode ensures your PC sound doesn't undergo digital signal processing or sample-rate conversion. It is nearly 100% true to its source, and preferred by audiophiles looking for complete fidelity.

Essence products support native Audio Stream Input/Output 2.2 drivers, known as ASIO 2.2., allowing digital signals to bypass Windows audio layers to avoid redundant processing. With easy setup, it allows you to quickly enjoy high fidelity and stable bit-perfect audio.

\*ASIO protocol developed by Steinberg Media Technologies GmbH

# The example below shows how to configure your Windows 7 PC with an Essence USB DAC using ASIO as the output mode through the foobar2000 media player:

1. Install your Essence USB audio product

Please follow the quick-start guide to install the Essence USB audio 2.0 driver and the Essence product. Make sure the Essence product is set as default audio device.

2. Install foobar2000

Once foobar2000 is installed, add the ASIO plug-in on foobar2000 — like this:

#### Step 1: Download the ASIO component

Find the 'Get more components' link under File>Preferences>Components – it's near the bottom of the dialog box

Preferences: Components			? <mark>×</mark>	
Components	Installed components: Rig		ht-click a component for additional options.	
Display	Name	Version	Module	
<ul> <li>Keyboard Shortcuts</li> <li>Media Library</li> </ul>	Album List	4.5	foo_albumlist	
Networking	ASIO support	2.1.2	foo_out_asio	
▲ Playback	Converter	1.5	foo_converter	
DSP Manager ▷ Output	Default User Interface	0.9.5	foo_ui_std	
	Equalizer	1.0	foo_dsp_eq	
4 Tools	foobar2000 core	1.2.9	Core	
	ReplayGain Scanner Standard DSP Array	2.2	foo_rgscan foo_dsp_std	
	Standard Input Array	1.0	foo_input_std	
	Why are some components grayed out?	I	nstall Copy report Get updates	
	Reset all Reset page		OK Cancel Apply	



Clicking the link will direct you to <u>www.foobar2000.org/components</u>. Download the ASIO support file and save it to your PC

## Step 2: Install the ASIO component

Return to File>Preferences>Components and click the 'Install' button

Components	Installed components:	Ri	ght-click a component for additio	nal optio
Display	Name	Version	Module	
<ul> <li>Keyboard Shortcuts</li> </ul>	Album List	4.5	foo albumlist	
Media Library	ASTO support	2.1.2	foo out asio	
Networking	CD Audio Decoder	3.0	foo cdda	
Playback	Converter	1.5	foo converter	
DSP Manager	Default User Interface	0.9.5	foo ui std	
- Shell Integration	Equalizer	1.0	foo dsp eq	
Tools	foobar2000 core	1.2.9	Core	
SACD	ReplayGain Scapper	2.2	foo roscan	
Advanced	Standard DSP Array	1.3	foo dsp std	
	Standard Input Array	1.0	foo input std	
	Super Audio CD Decoder	0.6.3	foo input sacd	
	Get more components Why are some components graved or	12	nstal )Copy report	et upda

Select 'foo\_out\_asio' component and click the 'Open' button

😔 Install Component		
Coo - Libraries	Documents      foobar 2000	<ul> <li>✓ 4 Search foobar 2000</li> </ul>
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Downloads	Name	Date modified Type
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詞 Libraries 🛛 🗉		
Documents		
J Music		
Pictures		
Videos		
🖳 Computer		
🏭 OS (C:)		
👝 Data (D:) 🔻	۰ [	•
File r	name: foo_out_asio	✓ foobar2000 components ▼
		Open V Cancel

Click 'Apply' and restart foobar2000.



Components	Installed components:	Rig	nt-click a component for additional opti
Display	Name	Version	Module
Keyboard Shortcuts	Album List	4.5	foo albumlist
> Media Library	(unknown - please apply changes to load)	(unknown)	foo_out_asio
. Davback	CD Audio Decoder	3.0	foo cdda
DSP Mapager	Converter	1.5	foo converter
b Output	Default User Interface	0.9.5	foo ui std
	Equalizer	1.0	foo dsp eq
Tools	foobar2000 core	1.2.9	Core
SACD	ReplayGain Scanner	2.2	foo rgscan
Advanced	Standard DSP Array	1.3	foo dsp std
	Standard Input Array	1.0	foo input std
	Super Audio CD Decoder	0.6.3	foo input sacd
	Get more components Why are some components graved out?	In	stall Copy report Get upda

#### Step 3: Enable ASIO output mode

Select 'ASIO: Essence device' under Preferences>Output>Playback>Output.

Click the 'Apply' button and then click 'OK'.

Components	Device
Display Keyboard Shortcuts	ASIO : Xonar Essence One ASIO
Media Library  Netic Library  Netic Action  Playback  Playback  Do Day Manager  Di Output  Shell Integration  Tools  Advanced	Buffer length

ASIO audio output is now enabled. Most Essence USB audio products feature a bit-perfect LED indicator. It will always light up under ASIO playback to show that your playback is bit-perfect.