使用 foobar2000 播放 DSD 音频的参考信息

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须知

- "foobar2000"非 Yamaha 产品。Yamaha 对于使用该软件导致的任何损坏概不负责。
- "foobar2000" 只可安装在 Windows 电脑上。本文档中所述步骤基于 Windows 7。
- •本文档基于的信息截止到 2015 年 9 月(我们没有提供更新的计划)。

所需组件

foobar2000

"foobar2000" 是用于 Windows 的高级免费音频播放器软件。通过在 Windows 电脑上安装 foobar2000 和其他组件,可以在本机上(通过 USB DAC)欣赏 DSD(Direct Stream Digital)音频播放内容。

Yamaha HiFi USB Driver

将兼容 Yamaha HiFi USB Driver 的设备连接到电脑所需的驱动程序软件。

ASIO support

在 foobar2000 上进行 DSD 音频播放所需的组件。

Super Audio CD Decoder

在兼容设备上进行 Super Audio CD ISO 图像、DSDIFF 和 DSF 文件直接 DSD 播放所需的解码器。

安装 foobar2000

- 在以下网站下载最新稳定版本的 foobar2000。 http://www.foobar2000.org/download
- **2** 双击下载的文件 "foobar2000_v*.*.*.exe"开始安装。
- 3 按照画面说明安装软件。

安装 Yamaha HiFi USB Driver

在以下 Yamaha 网站下载 "Yamaha HiFi USB Driver"。
 http://download.yamaha.com/
 有关驱动程序安装的详细信息,请参阅驱动程序软件随附的安装指南。

安装"ASIO support"组件

1 在以下网站下载 "ASIO support"组件(foo_out_ asio)。

http://www.foobar2000.org/components/view/ foo_out_asio

2 运行 foobar2000, 然后选择 [File] → [Preferences]。



3 单击 [Components] → [Install]。

mponents	Installed components:	Ri	ght-click a component for additional o
	Name	Version	Module
eyboard Shortcuts	Album List	4.5	foo_albumlist
etila Library	CD Audio Decoder	3.0	foo_cdda
lavback	Converter	1.5	foo_converter
hell Integration	Default User Interface	0.9.5	foo_ui_std
dvanced	Equalizer	1.0	foo_dsp_eq
	foobar 2000 core	1.2.6	Core
	ReplayGain Scanner	2.2	foo_rgscan
	Standard DSP Array	1.2	foo_dsp_std
	Standard Input Array	1.0	foo input std
	Get more components Why are some components graved or Reset al Reset page	<u>t2</u>	Instal Copy report Get up OK Cancel App

4 选择下载的组件 "foo_out_asio.fb2k-component", 然后单击 [Open]。

Name	Date modified	Туре	Size	
asio.fb2k-component	2013/05/15 14:42	foobar2000 Comp	183 KB	
me: foo_out_asio.fb2k-component			- fc	oobar2000 components (foo_* 👻
			ĺ.	Open 🖵 Cancel

5 单击 [Apply]。

Components	Installed components:	Ri	ght-click a component for additional option
Display	Name	Version	Module
Keyboard Shortcuts	Album List	4.5	foo albumlist
 Media Library 	CD Audio Decoder	3.0	foo cdda
Disubask	Converter	1.5	foo converter
Shell Integration	Default User Interface	0.9.5	foo ui std
- Advanced	Equalizer	1.0	foo dsp eg
Have bed	foobar 2000 core	1.2.6	Core
	ReplayGain Scanner	2.2	foo roscan
	Standard DSP Array	1.2	foo_dsp_std
	Standard Input Array	1.0	foo_input_std
	(unknown - please apply changes to load)	(unknown)	foo out asio
	Get more components Why are some components graved out?		instal Copy report Get update

6 在对话框中,单击 [OK] 重新启动 foolbar2000。

foobar2000 preferences
Applying these changes requires foobar2000 to be restarted. Continue?
OK Cancel

7 如果 foolbar2000 重新启动,请单击 [File] → [Preferences] → [Components],然后确认 "ASIO support"列于 "Installed components"中。 "ASIO support"组件即完成安装。

components	Installed components:	Ri	ght-dick a component for additional op
Display	Name	Version	Module
Keyboard Shortcuts	Album Liet	4.5	foo, ally unliet
Media Library Networking	ASIO support	2.1.2	foo_out_asio
Playback	Corvicio Decoder	5.0	100_0000
Shell Integration	Converter	1.5	foo_converter
Advanced	Default User Interface	0.9.5	foo_ui_std
	Equalizer	1.0	foo_dsp_eq
	foobar2000 core	1.2.6	Core
	ReplayGain Scanner	2.2	foo_rgscan
	Standard DSP Array	1.2	foo dsp std
	Standard Input Array	1.0	foo input std
	Get more components Why are some components grayed or	<u>t?</u>	Install Copy report Get upd

安装"Super Audio CD Decoder"组件

1 在以下网站下载最新版本的"foo_input_sacd-0.*.*.zip"。

http://sourceforge.net/projects/sacddecoder/ files/foo_input_sacd/

Home / foo_input_sacd				5
Name +	Modified +	Size ¢	Downloads / Week ¢	
↑ Parent folder				
foo_input_sacd-0zip	2015-	MB	3,265 📐 🚺	
readme.txt	2015-	kB	145 📃 🚺	
foo_input_sacd-0zip	2015-	MB	75 📃 🚺	
foo_input_sacd-0zip	2015-	MB	7 🛄 🚺	
foo_input_sacd-0zip	2015-	kB	23 📃 🚺	
foo_input_sacd-0zip	2015-	kB	14 📃 🚺	

- 2 解压缩下载的文件 "foo_input_sacd-0.*.*.zip"。
- **3** 在解压缩的文件夹中,双击 "ASIOProxyInstall-0.*.*.exe"开始安装。

퉬 filters
퉬 src
🕮 ASIOProxyInstall-0. 🛛 .exe
foo_input_sacd.fb2k-component
📄 readme.txt

- 4 按照画面说明安装组件。
- 5 运行 foobar2000, 然后选择 [File] → [Preferences]。

Open	Ctrl+O		
Open audio CD		Track Title / track artist	Dur
Add files Add folder			
Add location	Ctrl+U		
New playlist Load playlist	Ctrl+N		
Save playlist	Ctrl+S		
Preferences	Ctrl+P		
Exit			

6 单击 [Components] → [Install]。



7 在步骤 2 解压缩的 "foo_input_sacd-0.*.*" 文件夹中 选择 "foo_input_sacd.fb2k-component",然后单 击 [Open]。

Name	Date modified	Туре	Size
🗼 filters	2015/10/05 10:06	File folder	
I SIC	2015/10/05 10:06	File folder	
ig foo_input_sacd.fb2k-component	2015/10/05 10:06	foobar2000 Com	1,318 KB
File name: foo_input_sacd.fb2k-comp	ponent	✓ foobar200Open	0 components (foo 👻

8 单击 [Apply]。

Components	Installed components:	Ri	ght-dick a component for additional optic
Display	Name	Version	Module
Keyboard Shortcuts	Album List	4.5	foo albumlist
Media Library	ASIO support	2.1.2	foo out asio
Networking	CD Audio Decoder	3.0	foo cdda
Playback	Converter	1.5	foo converter
- Snell Integration	Default User Interface	0.9.5	foo ui std
Muvaliceu	Equalizer	1.0	foo dsp eg
	foobar 2000 core	1.2.6	Core
	ReplayGain Scanner	2.2	foo rgscan
	Standard DSP Array	1.2	foo dsp std
	Standard Input Array	1.0	foo input std
	(unknown - please apply changes to l	oad) (unknown)	foo input sacd
	Get more components Why are some components grayed out	2	instal Copy report Get updat

9 在对话框中,单击 [OK] 重新启动 foolbar2000。

foobar2000 preferences	×
Applying these changes requires foobar2000 to be restarted.	Continue?
ок	Cancel

10 如果 foolbar2000 重新启动,请单击 [File] → [Preferences] → [Components],然后确认 "Super Audio CD Decoder"列于"Installed components"中。

"Super Audio CD Decoder"组件即完成安装。

Components	Installed components: Right-d		ght-dick a component for additional op	
Display	Name	Version	Module	
Keyboard Shortcuts	Album List	4.5	foo albumist	
Media Library	ASIO support	2.1.2	foo out asio	
Networking	CD Audio Decoder	3.0	foo cdda	
Playback DSD Managor	Converter	1.5	1.5 foo_converter 0.9.5 foo_ui_std 1.0 foo_dsp_eq 2.2.1 foo_flecos	
4. Output	Default User Interface	0.9.5		
ASIO	Equalizer	1.0		
Shell Integration	File Operations	2.2.1		
Tools	foobar2000 core	1.3.8	Core	
SACD	Online Tagger	0.7	foo_freedb2	
b - Tagong — Advanced	ReplayGain Scanner	2.2.1	foo rgscan	
	Standard DSP Array	1.3.1	1.3.1 foo dsp std	
	Standard Input Array	1.0	foo input std	
	Super Audio CD Decoder	0.	foo_input_sacd	
	WASAPI OUTPUT Support	3.2.3	too_out_wasapi	
	ZIP/GZIP/RAR Reader	1.7.1	foo_unpack	
	Get more components			

配置 foobar2000 的 DSD 播放设置

1 单击 [File] → [Preferences] → [Playback] → [Output], 然后从 "Device" 下拉列表中选择 "ASIO:foo_ dsd_asio"。

ponents	Device					
lay board Shortcuts	DS : Primary Sound Driver					
Playback Playback	ASIO : foo dsd asio					
	DS : Primary Sound Driver DS : Realtek Digital Output(Optical DS : Realtek Digital Output (Realte DS : Realtek Digital Output (Realte Warning: setting too low buffer	DS : Sharpy Sourd Dive DS : Sharpy Sourd Dive DS : Realth Optiol Output (Option) (Realth: High Definition Audo) DS : Realth: Optiol Output (Realth: High Definition Audo)				
	Output format					
	oucpuctorniac					
	Output data format: Output data format will be chosen a	utomatically for the se	vected device.	Dither		
	Output data format: Output data format will be chosen a	utomatically for the se	velected device.	Dither		
	Output data format: Output data format: Fading	utomatically for the se Fade in	vected device.	Dither		
	Output data format : Output data format will be chosen a Fading Name Pause and stop	utomatically for the se Fade in 100 ms	Fade out	Dither		
	Output data format: Output data format will be chosen a Fading Name Pause and stop Seek	Fade in 100 ms	Fade out 100 ms 100 ms	Dither		
	Cutout data format: Output data format: Output data format will be chosen a Facting Name Pause and stop Seek Manual tack change	Fade in 100 ms 100 ms	Fade out 100 ms 100 ms	Dither		
	Output data format: Output data format: Output data format will be chosen a Fading Name Passe and stop Seek Moult tack change Automatic track change	Fade in 100 ms 100 ms 00 ms	Fade out 100 ms 100 ms 00 ms 0 ms	Dither		
	Cutout data format: Output data format: Output data format will be chosen a Fading Name Pace and stop Seek Manual track change Automatic track change Fade in:	Interest of the set of	Fade out 100 ms 100 ms 0 ms) Dither		

2 单击 [Output] → [ASIO], 然后双击 "ASIO drivers" 中的 "foo_dsd_asio"。

ferences: ASIO	8 × 1			
r Components	ASIO drivers			
	foo dod salo			
ASIO	Double-dick an entry to activate the driver's control panel.			
a Tools	Use 64-bit ASIO drivers			
L SACD	Run with high process priority			
	Custom channel mappings			
	Add New Edit Remove			
	This feature allows you to configure alternate channel mappings for your ASIO-enabled soundcards.			
	You may need to close and re-open the foobar2000 preferences dialog for your newly added mappings to appear as output devices in the "output" page.			
	Reset all Reset page OK Cancel Apply			

3 配置以下设置。

ASIO Driver: Yamaha HiFi USB Driver DSD Playback Method: ASIO Native



4 单击 [X] (关闭按钮)关闭窗口。

5 单击 [Tools] → [SACD], 配置以下设置。 Output Mode: DSD

6 单击 [OK]。

foobar2000 的 DSD 播放设置即完成。 您即可在本机上欣赏 DSD 音频播放内容。

Preferences: SACD		? ***
Components Display Keyboard Shortouts Media Library Networking Playback DSP Manager Output ASIO Shell Integration	Output Mode:	DSD 🔻
	PCM Volume:	+0dB Log Overloads
	PCM Samplerate:	352800 -
	DSD2PCM Mode:	Multistage (Floating-Point)
Advanced	Preferable Area:	None
	Editable Tags	Store Tags With ISO Linked 2CH/MCH Tags
	Edited Master F	layback
	Reset all R	eset page OK Cancel Apply