

SA9227 DSD64 and DSD128 playback on foobar2000

Description

For DSD64 and DSD128 playback on foobar2000, please refer to this AP-Note to set your system environment for SA9227.

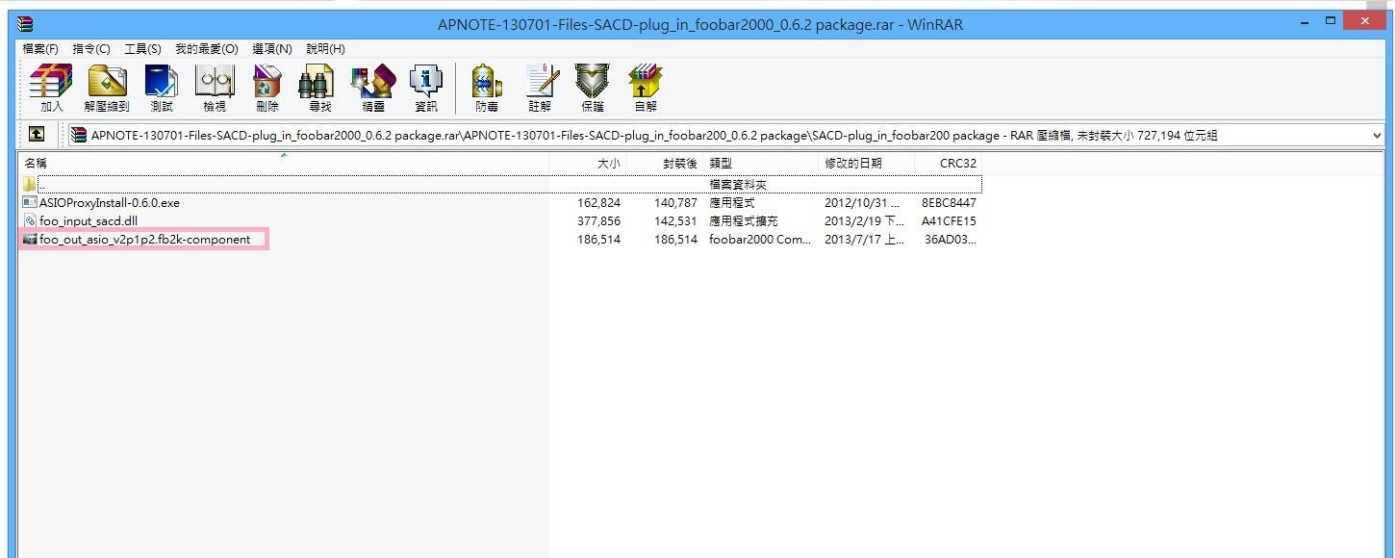
Before these steps, please install foobar2000.

Please download these application plug-ins,

1. ASIOProxyInstall-0.6.0
2. foo-input-sacd.dll
3. foo_out_asio_v2p1p2.fb2k-component

Step 1

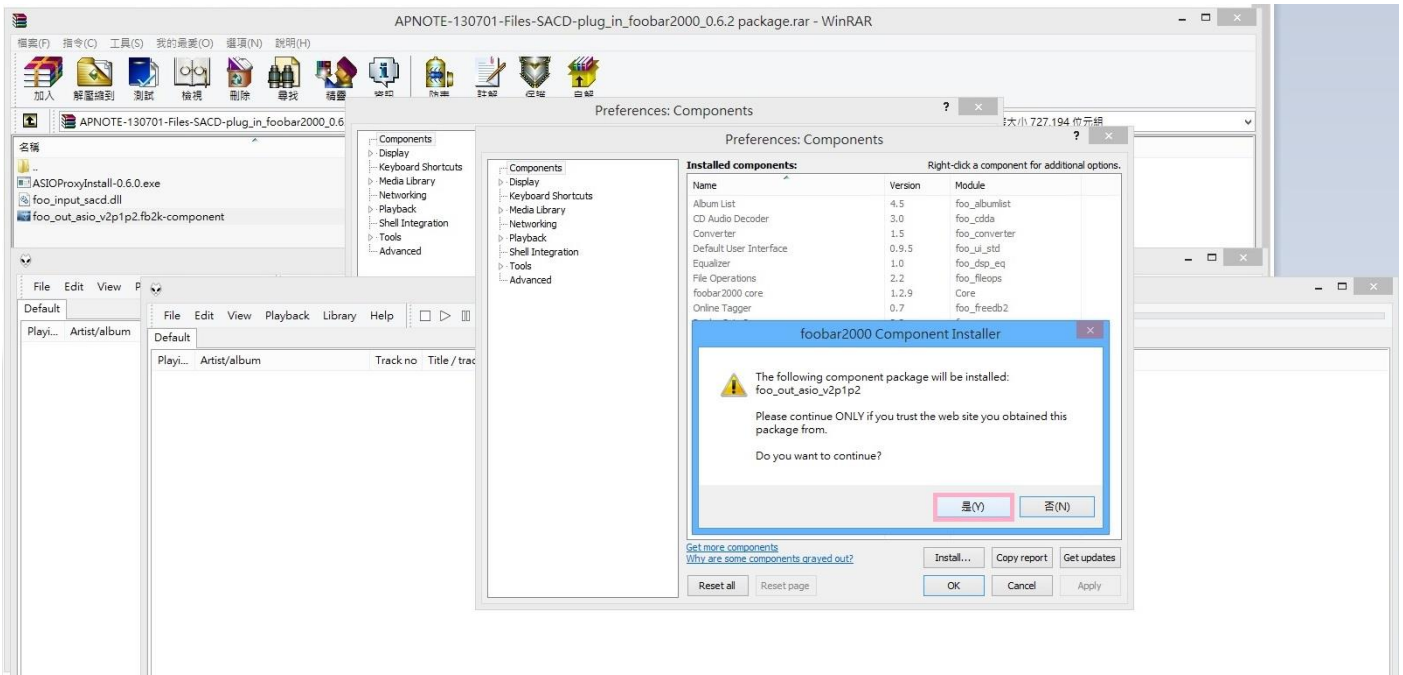
Double click this file to install component ASIO support (foo_out_asio_2.1.2 for foobar player)



SAVI

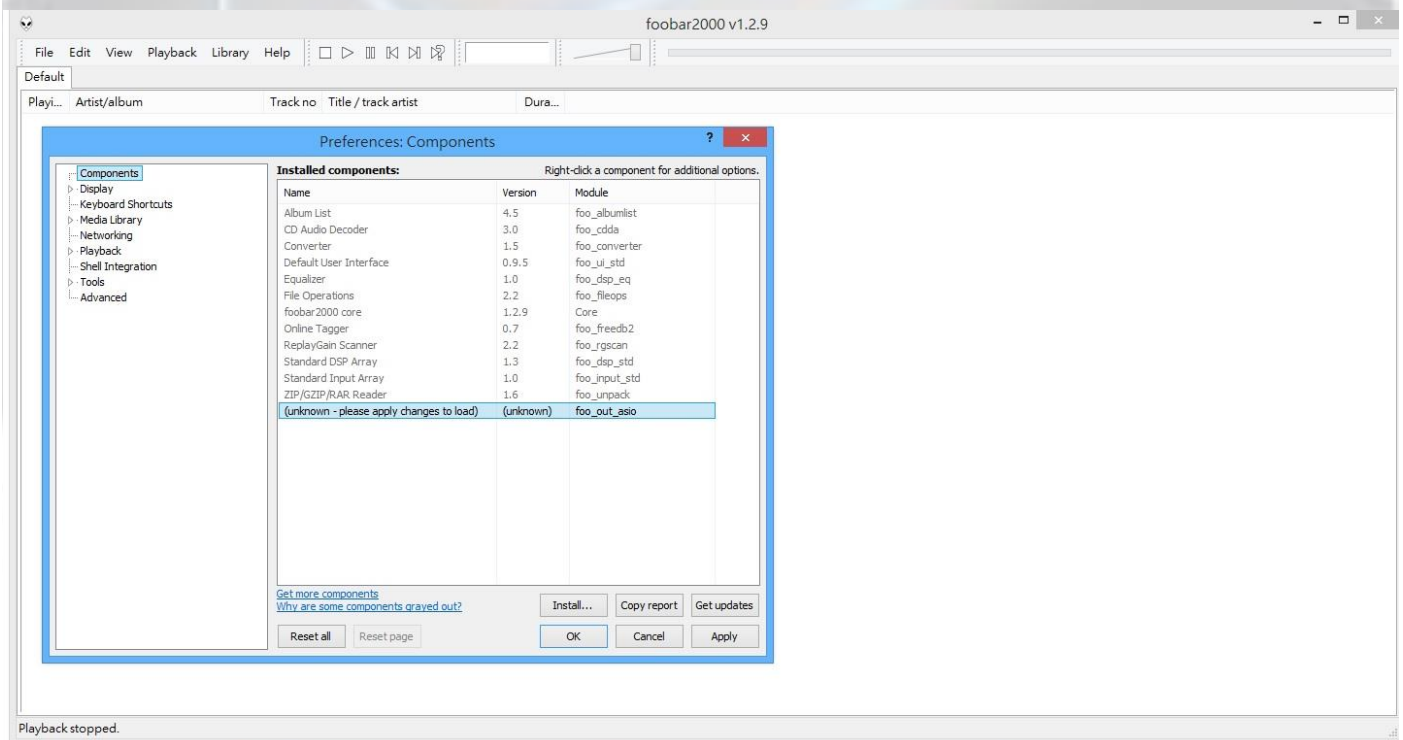
Step 2

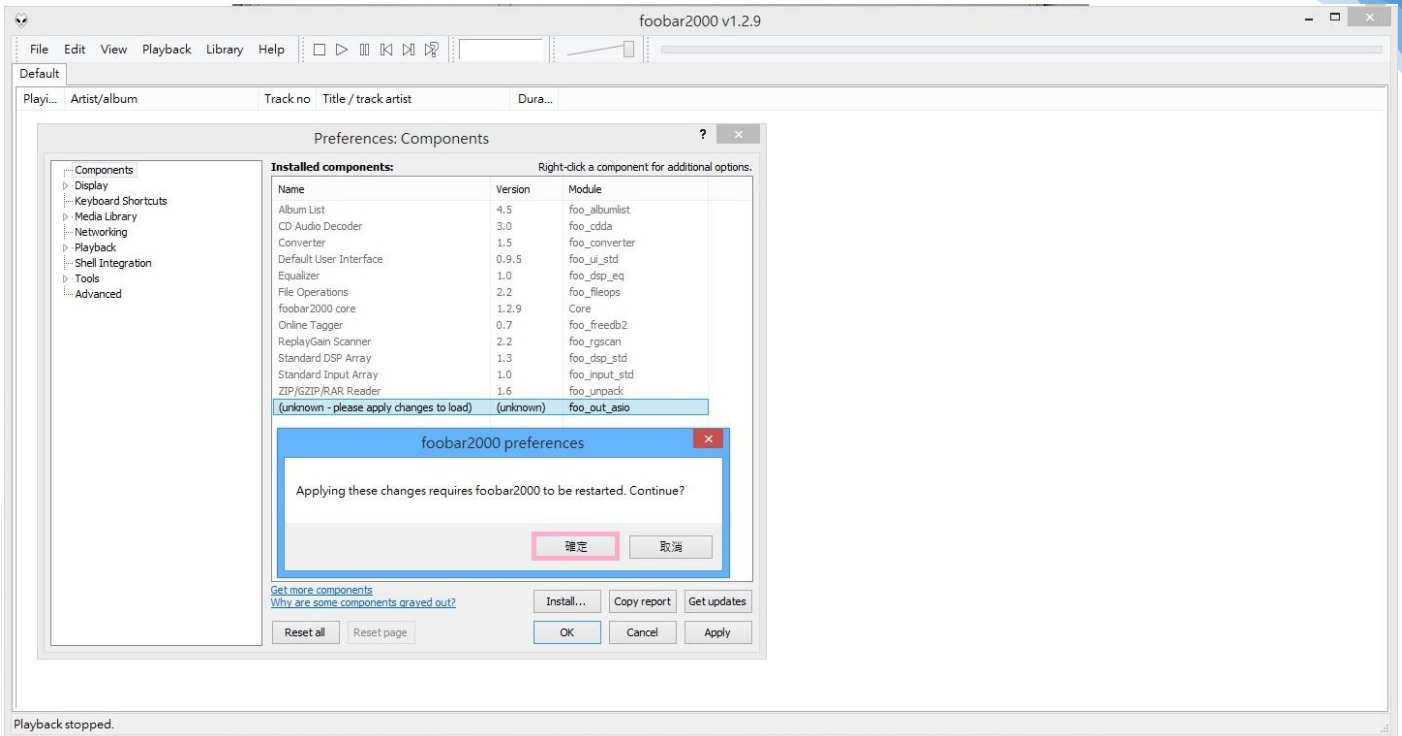
Click button yes(Y) to continue



Step 3

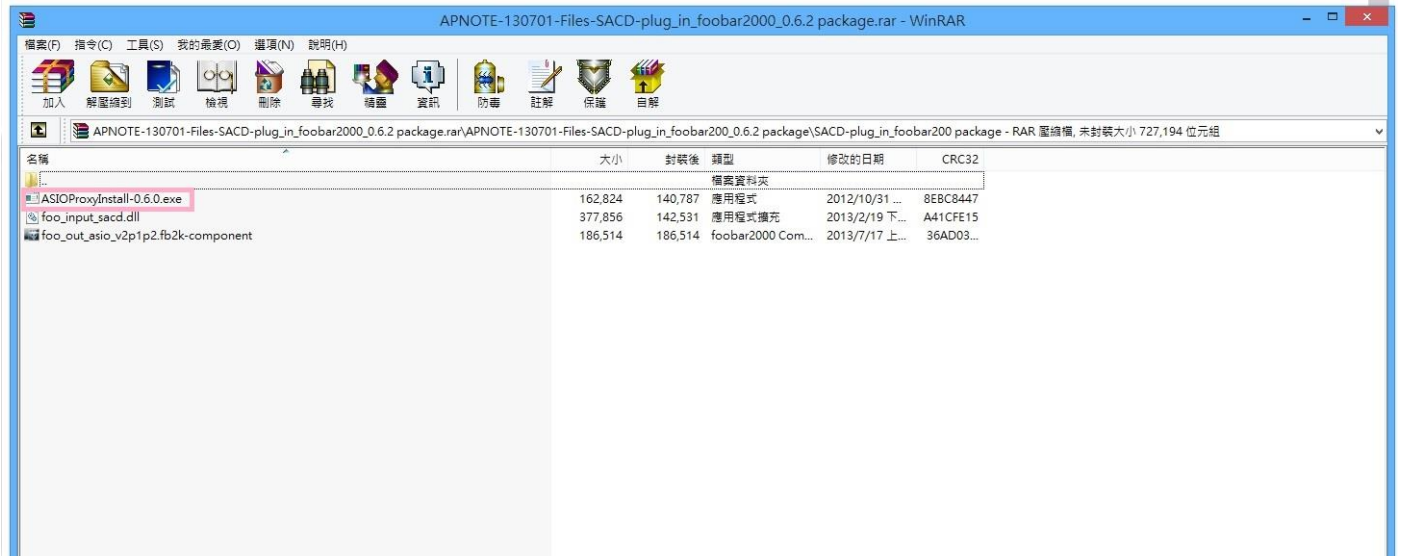
Click button OK on Preference: Components and then click button OK on foobar2000 preferences to apply the change





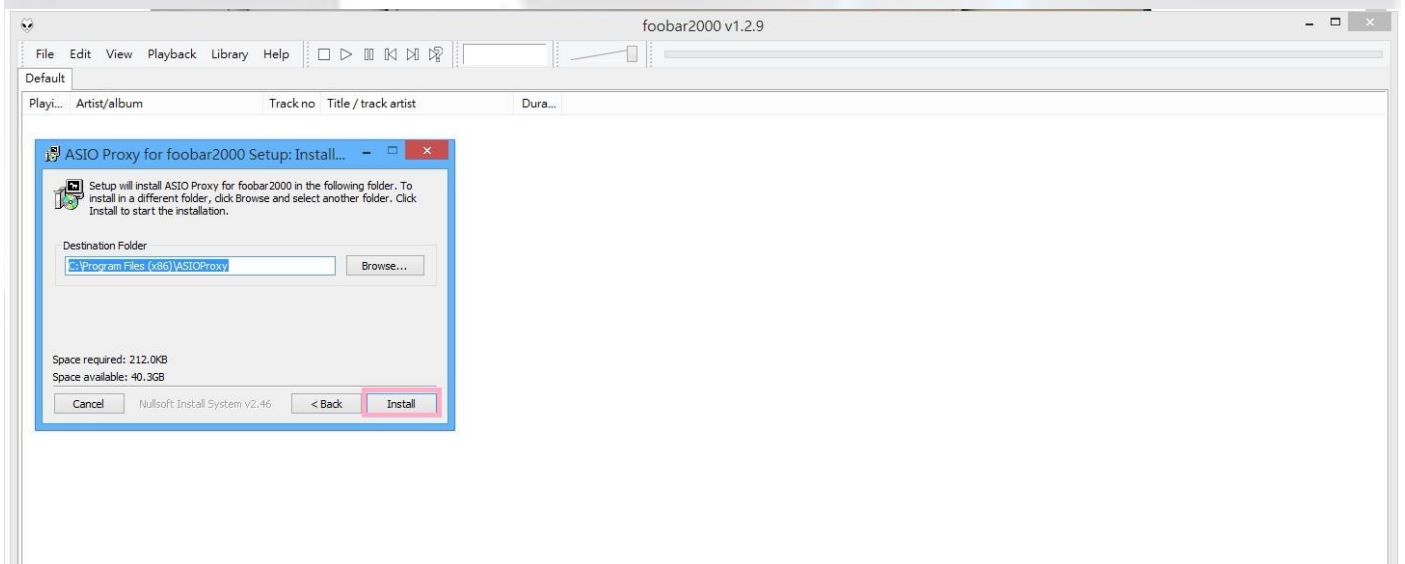
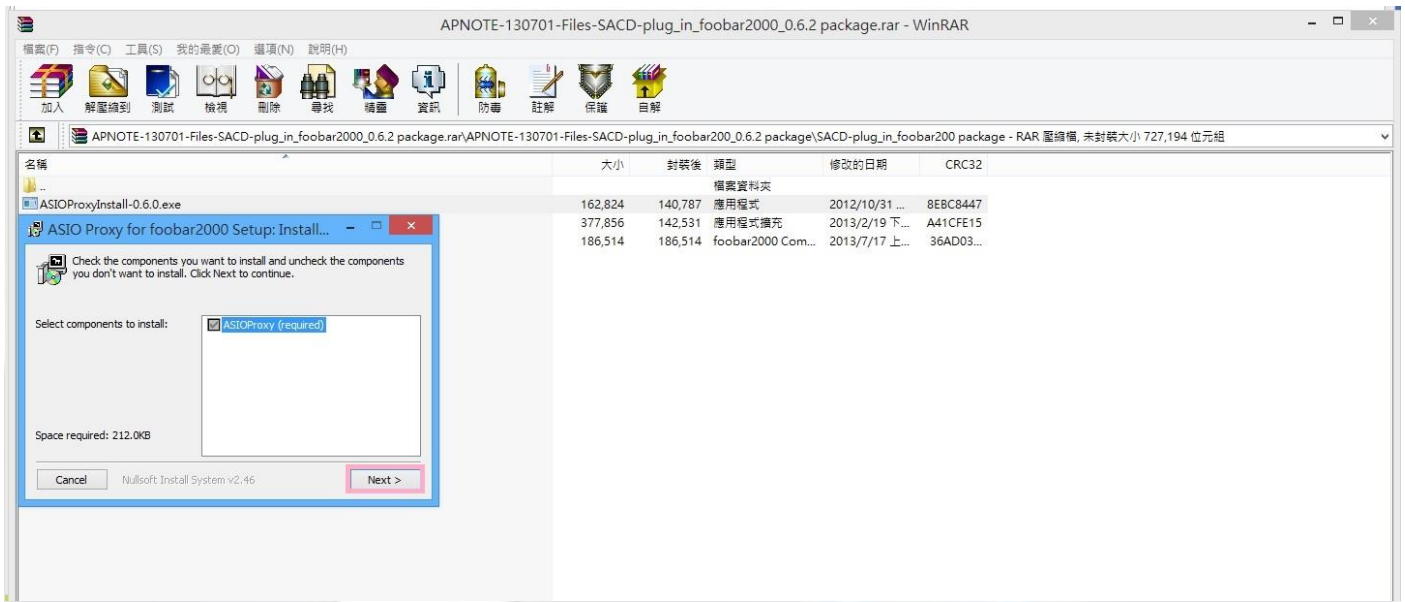
Step 4

Click this file ASIOProxyInstall-0.6.0.exe and then approve this installation



Step 5

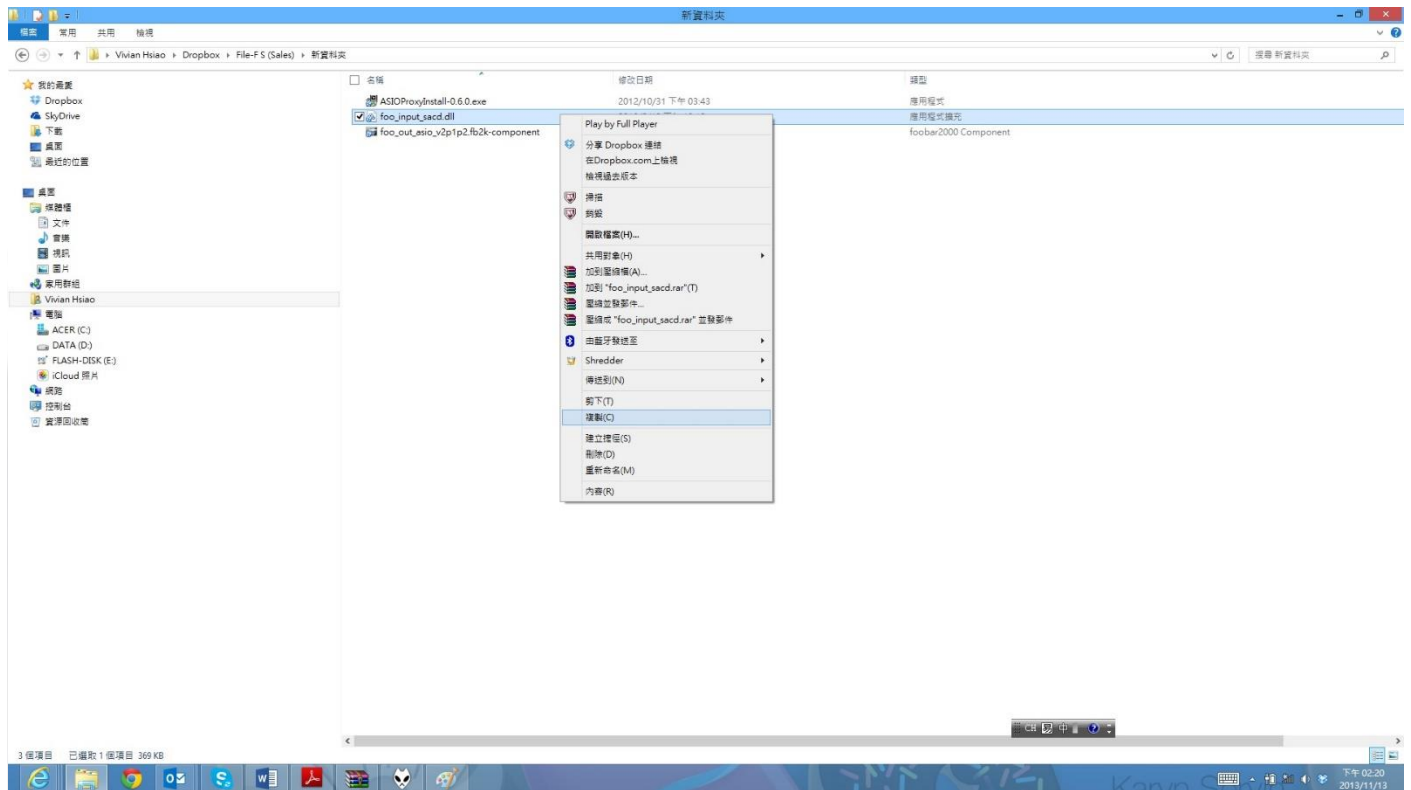
Click button NEXT and then click button Install to install ASIO Proxy for foobar2000



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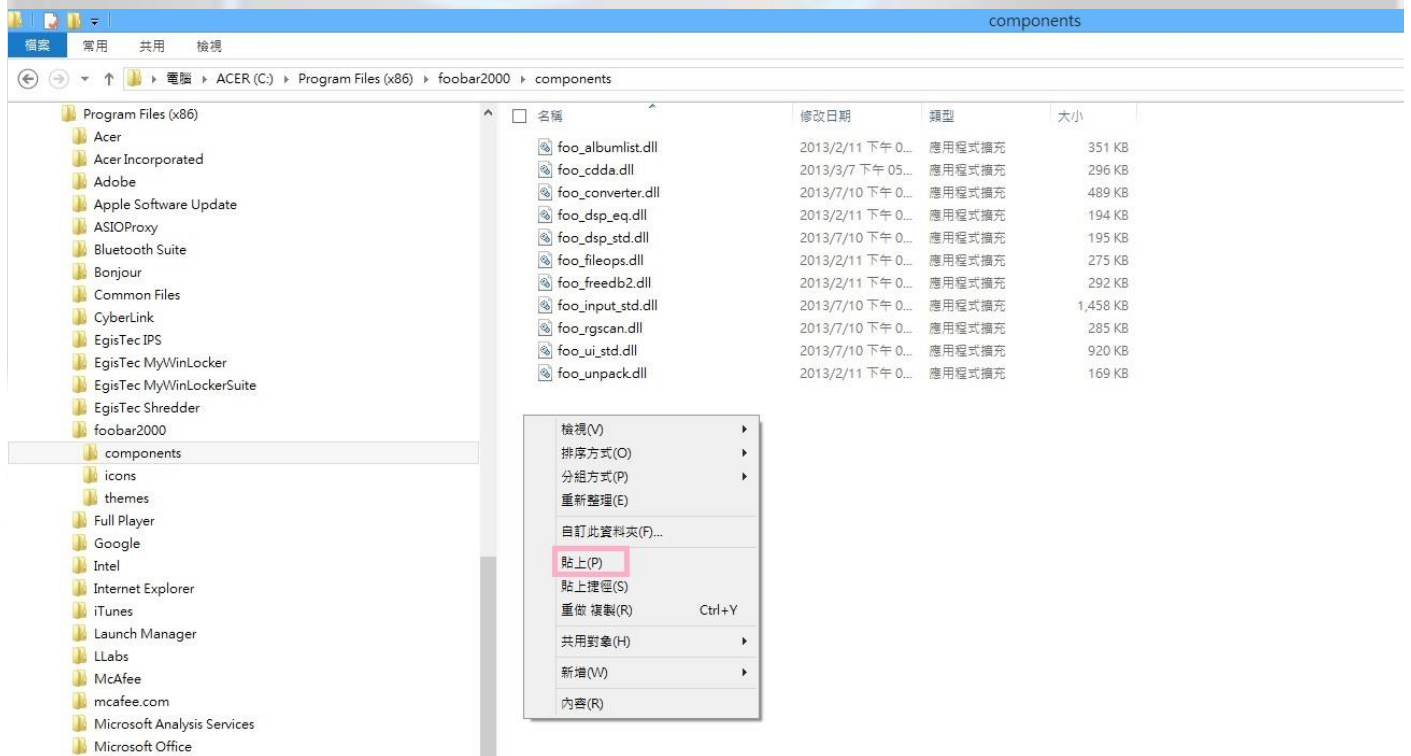
Step 6

Select file foo_input_sacd.dll and copy



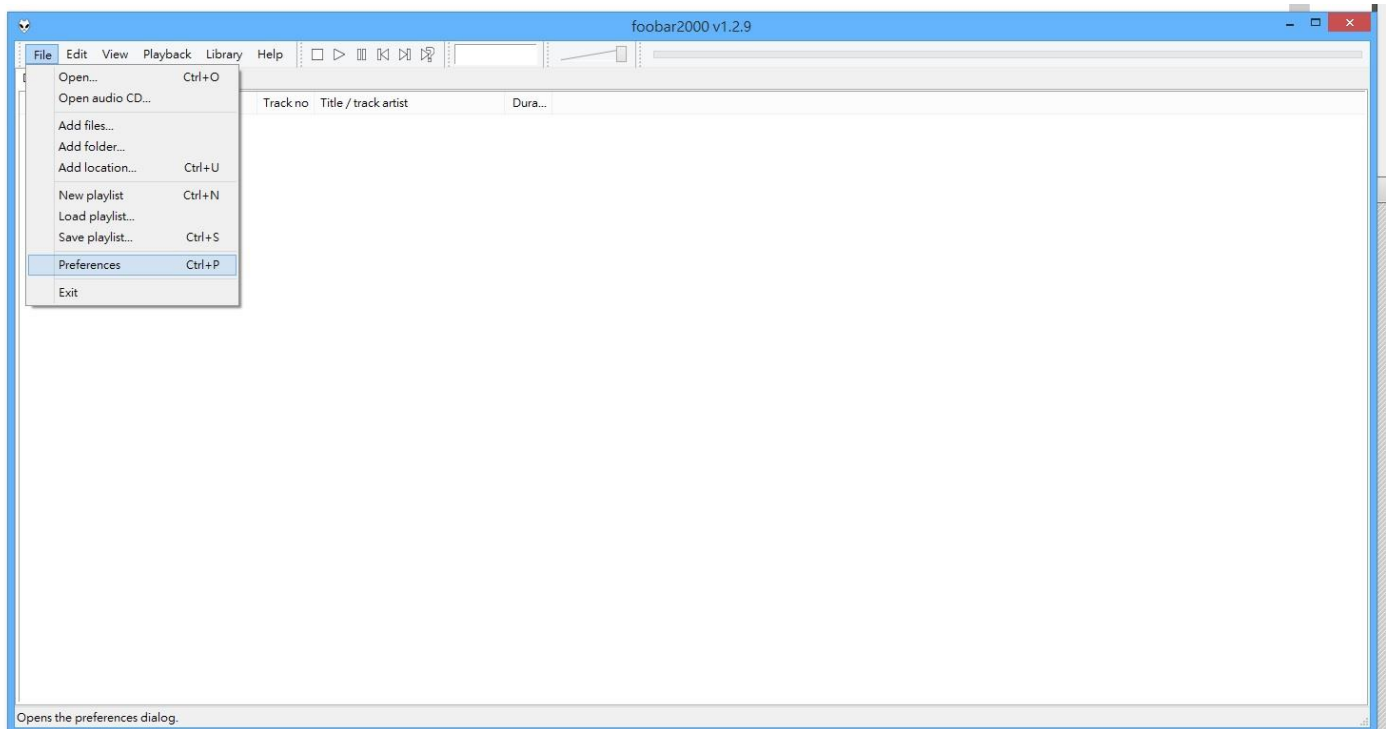
Step 7

Paste on foobar2000 installed folder (...\foobar2000\components)



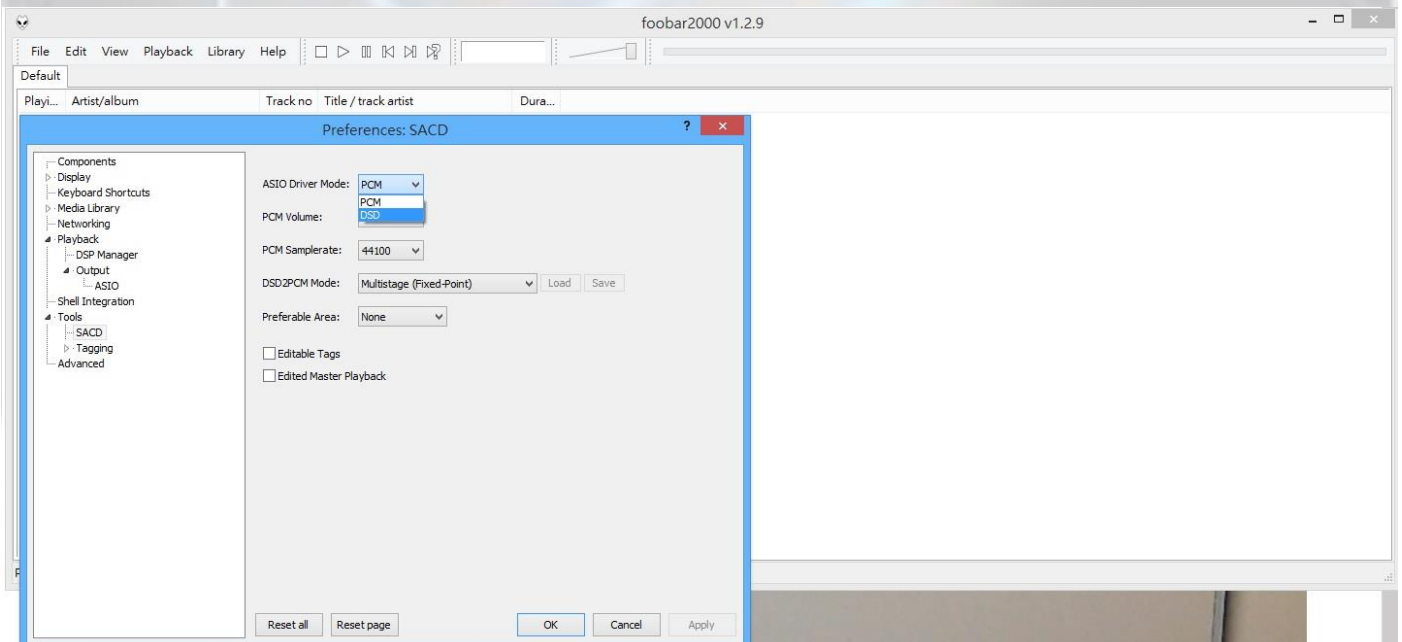
Step 8

Open foobar2000 preferences



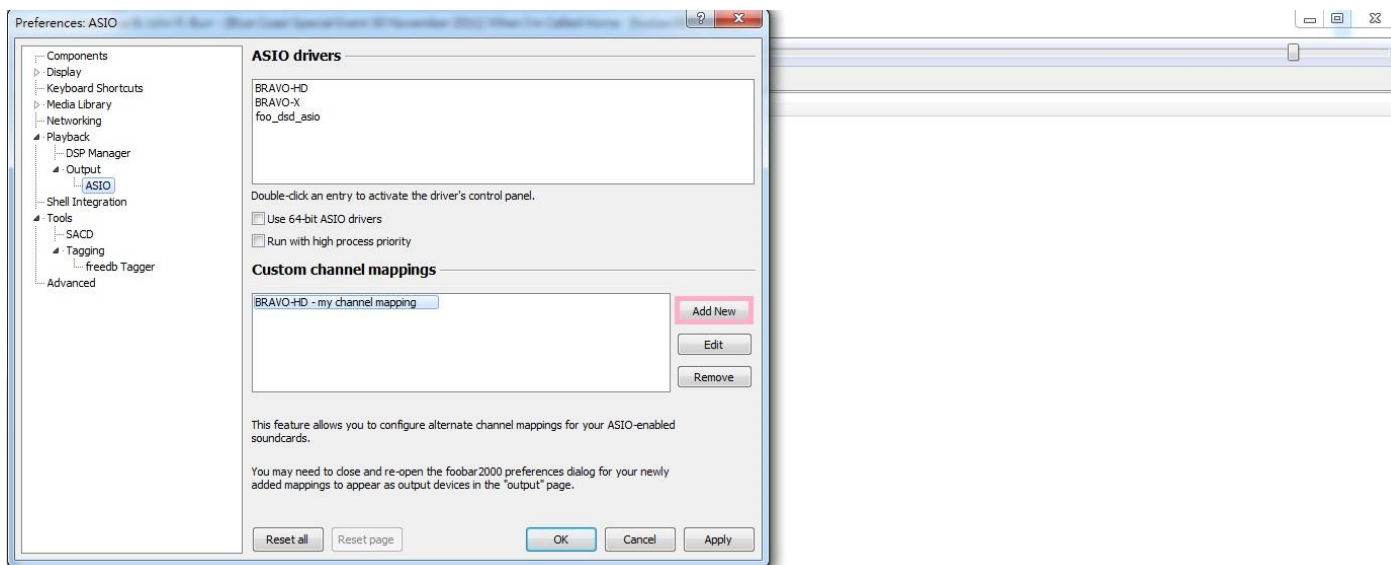
Step 9

Change ASIO Driver Mode: DSD (from Tools -> SACD)

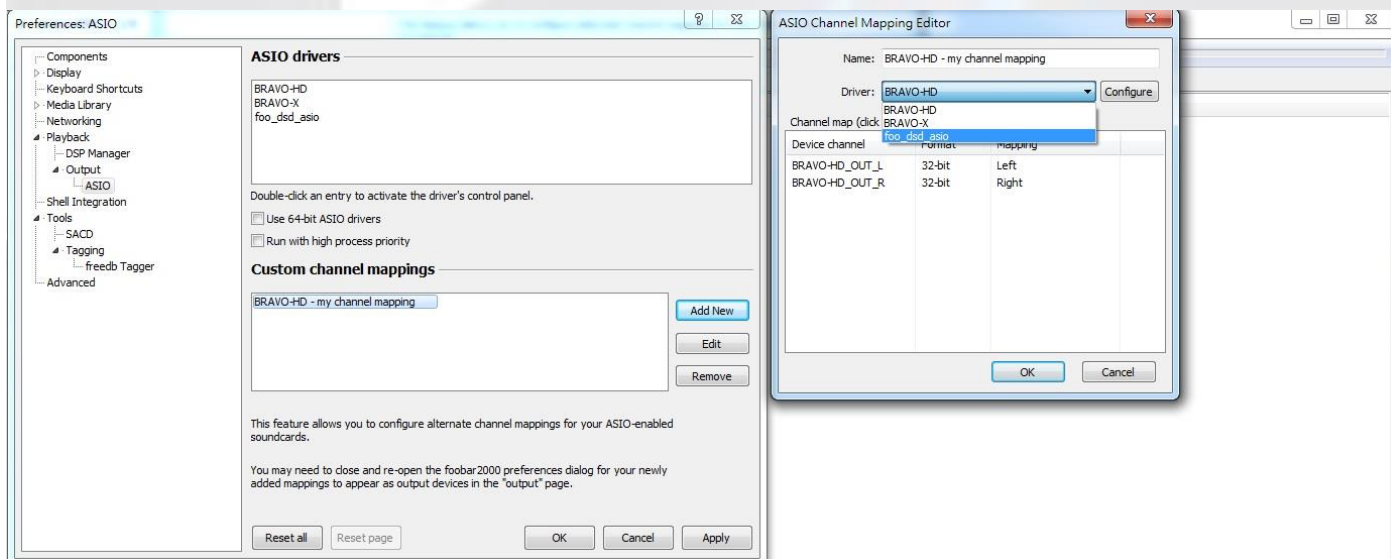


Step 10

Click button Add New to add ASIO channel mapping (from Playback -> Output -> ASIO)



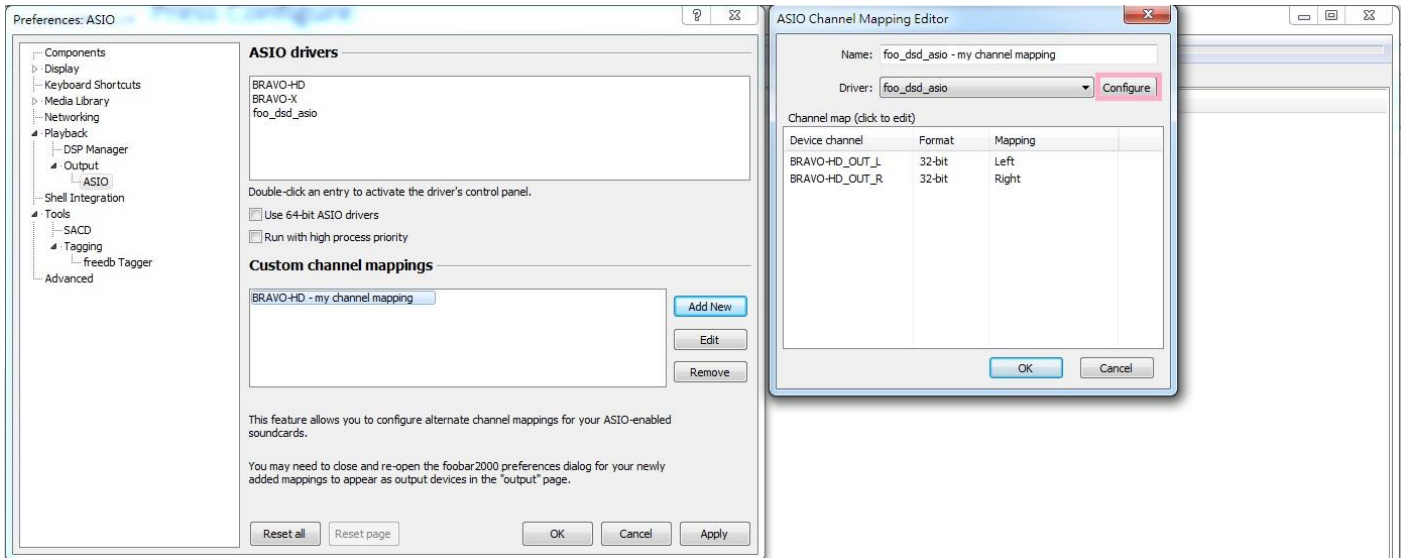
Select DSD ASIO driver: foo_dsd_asio



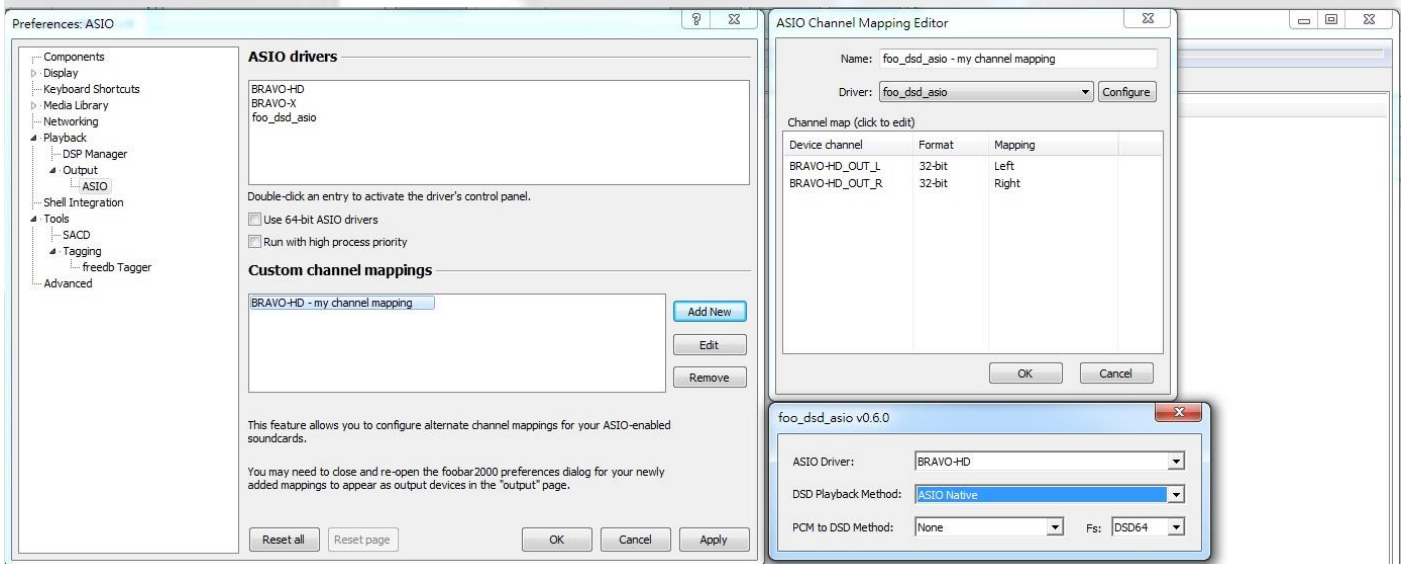
SAVI

Step 11

Click button Configure on ASIO Channel Mapping Editor



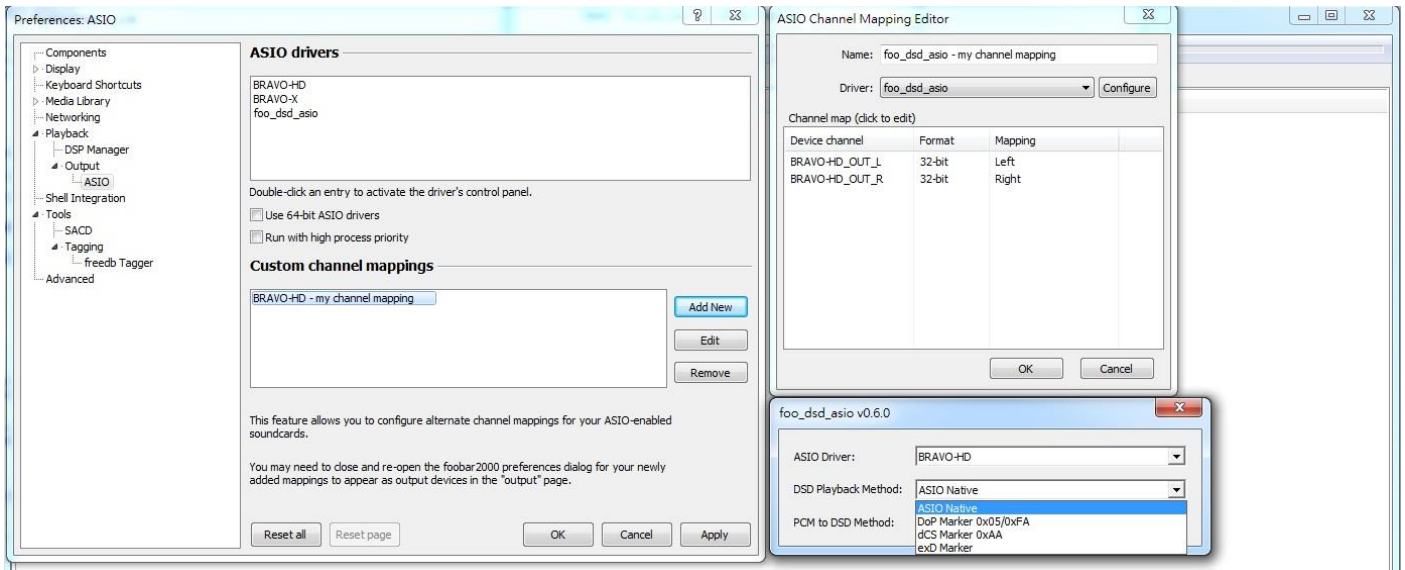
Pop foo_dsd_asio v0.6.0 windows



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Step 12

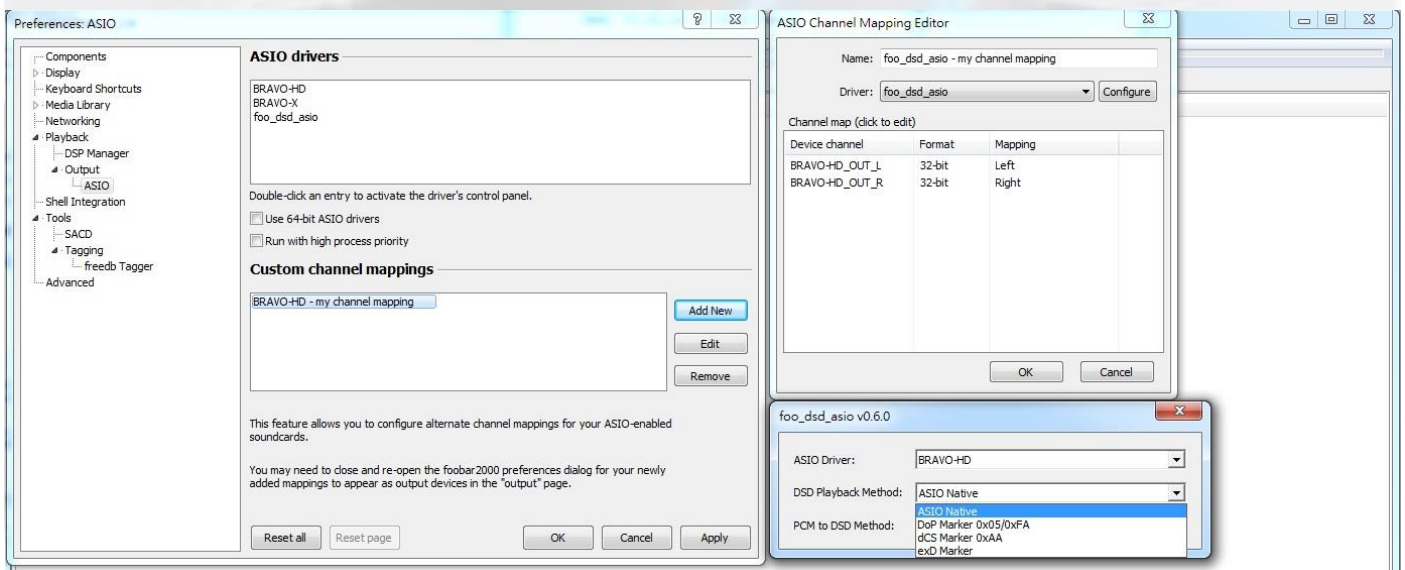
Set ASIO driver to Bravo-HD (your product's ASIO driver name)



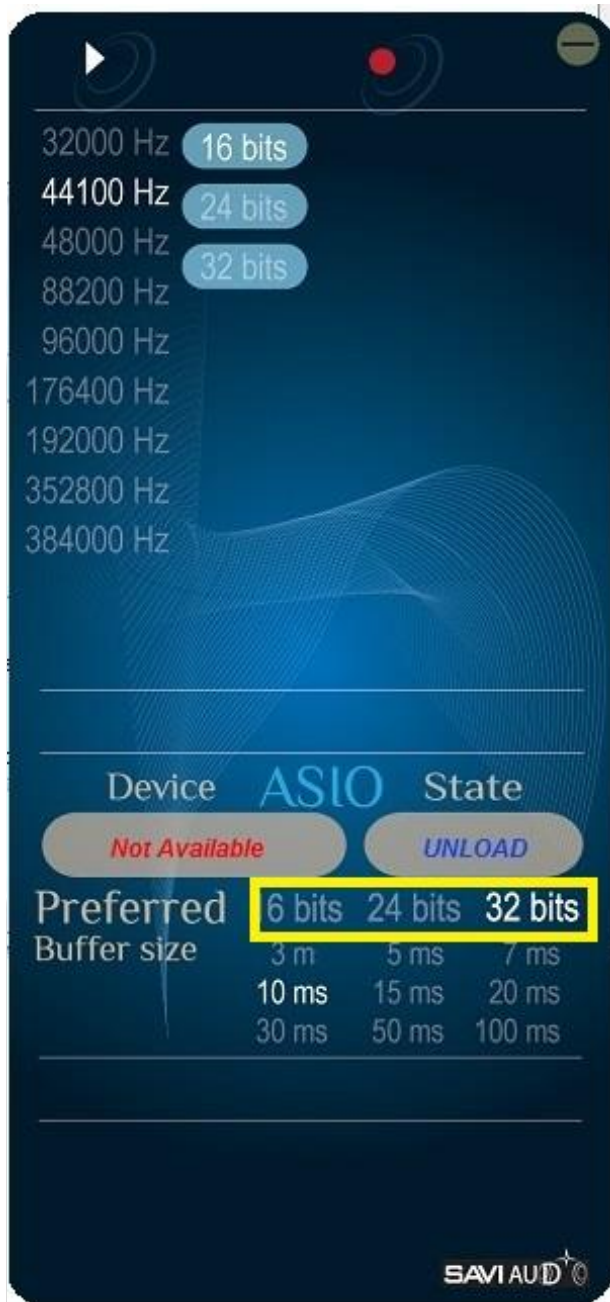
Step 13

Select DSD playback Method among 1.ASIO Native, 2.DoP Marker and 3.dCS Marker.

These three methods support DSD64 and DSD128, but ASIO Native doesn't support DSD128 when the system is set to asynchronous mode.



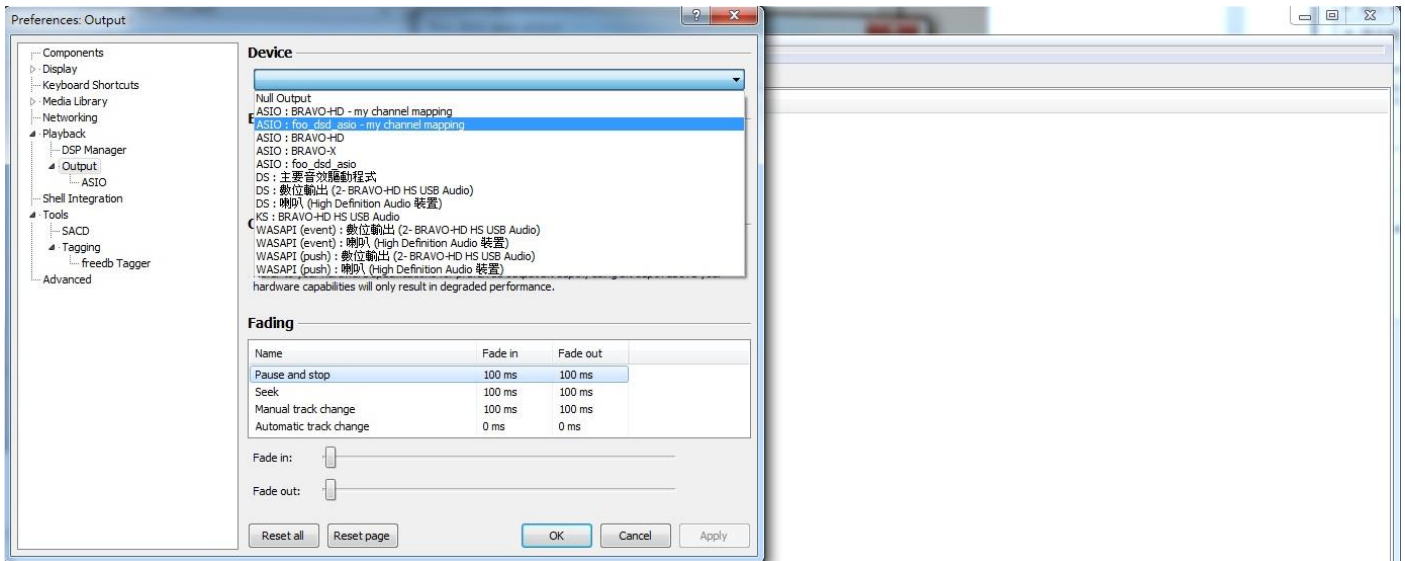
*When you select to DoP or dCS, 24 bits and 32 bits should be selected on ACPL



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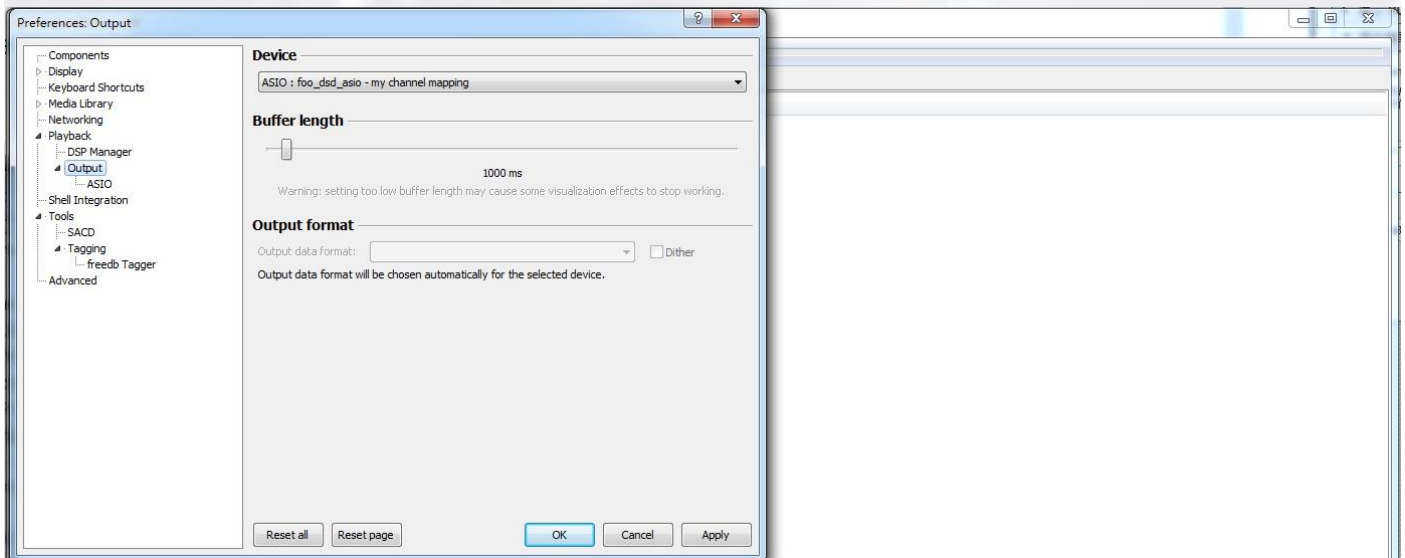
Step 14

Select Device: ASIO: foo_dsd_asio-my channel mapping (from Playback -> Output)



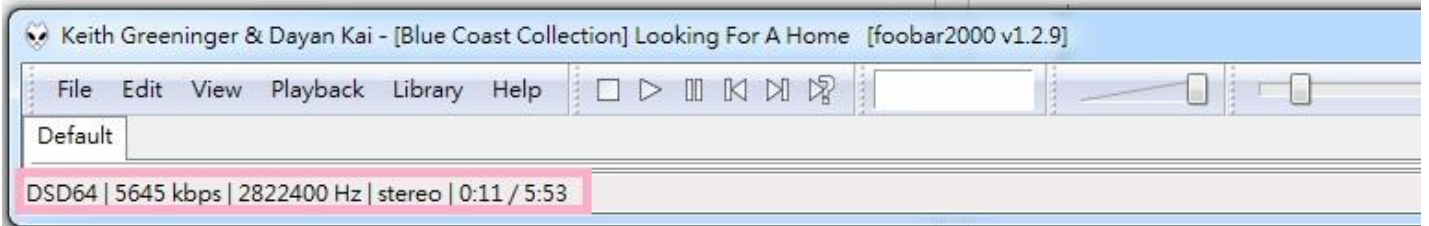
Step 15

Finish all setting



Step 16

When DSD64 playback, foobar shows playback status as below



The Bravo-HD ACPL shows ASIO information as below

Device	ASIO			State
BRAVO-HD				RUNNING
Preferred	16 bits	24 bits	32 bits	
Buffer size	3 m	5 ms	7 ms	
DSD	10 ms	15 ms	20 ms	
	30 ms	50 ms	100 ms	
2 Channel, 32 bits, 176400 Hz, Buffer 10.0 ms				

When DSD128 playback, foobar shows playback status as below



The Bravo-HD ACPL shows ASIO information as below

Device	ASIO			State
BRAVO-HD				RUNNING
Preferred	16 bits	24 bits	32 bits	
Buffer size	3 m	5 ms	7 ms	
128xDSD	10 ms	15 ms	20 ms	
	30 ms	50 ms	100 ms	
2 Channel, 32 bits, 352800 Hz, Buffer 10.0 ms				