



Lossy file (MP3¹) transfer to DSD256/512

AMR/iFi is always seeking to make music more enjoyable. We are firm believers of keeping the music file original. In this instance, we will make an exception: where lossy MP3 is already heavily compressed it is worth converting to DSD.

From our listening trials, converting MP3s to DSD256/512 takes the *digital harshness* out of the music and makes it more *analogue sounding*. We hope you enjoy reading this tutorial. You may just rediscover your lossy music collection!

Important: PLEASE go to the LAST PAGE and read the user notes first!

Setup Instructions

Step 1: Download ASIO-Proxy for Foobar (also runs under JRMC)

Download and install this.

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

or

http://sourceforge.net/projects/sacddecoder/files/foo_dsd_asio/ASIOProxyInstall-0.7.1.2.zip/download

(this "Meta Driver" sits between the playback software [J-River] and actual ASIO Driver [iFi Driver])

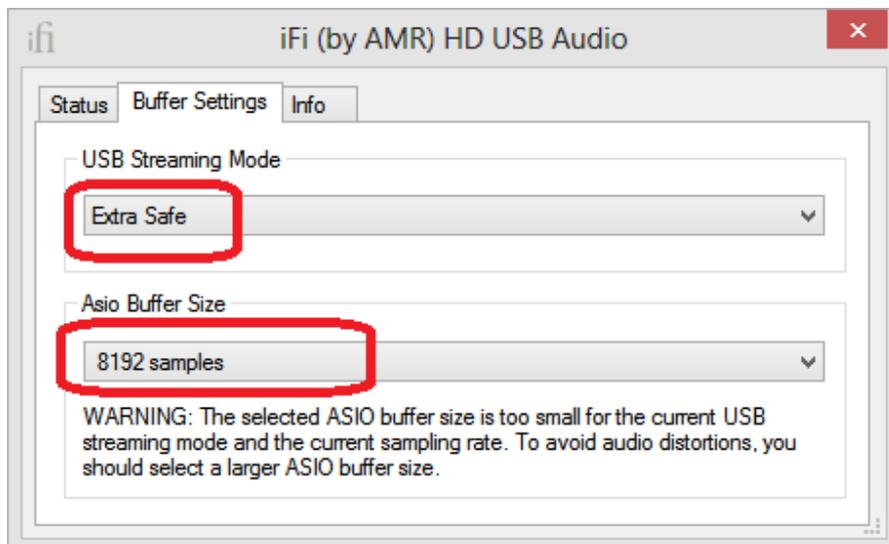
The screenshot shows the SourceForge project page for "Super Audio CD Decoder" by manisutkin. The page includes navigation tabs for Summary, Files, Reviews, Support, Wiki, Tickets, Discussion, Donate, Admin, and Mailing. A link is provided to download the latest version: "foo_input_sacd-0.7.1.zip (611.3 kB)". Below this is a file listing table with columns for Name, Modified, Size, and Downloads / Week.

Name	Modified	Size	Downloads / Week
↑ Parent folder			
ASIOProxyInstall-0.7.1.2.zip	2014-05-12	239.7 kB	171
ASIOProxyInstall-0.6.5.zip	2013-07-29	149.3 kB	16
ASIOProxyInstall-0.6.4.zip	2013-05-06	144.2 kB	5
ASIOProxyInstall-0.6.3.zip	2013-04-24	148.5 kB	5
Totals: 4 Items		681.7 kB	197

¹ Includes AAC, MP3 & WMA etc...

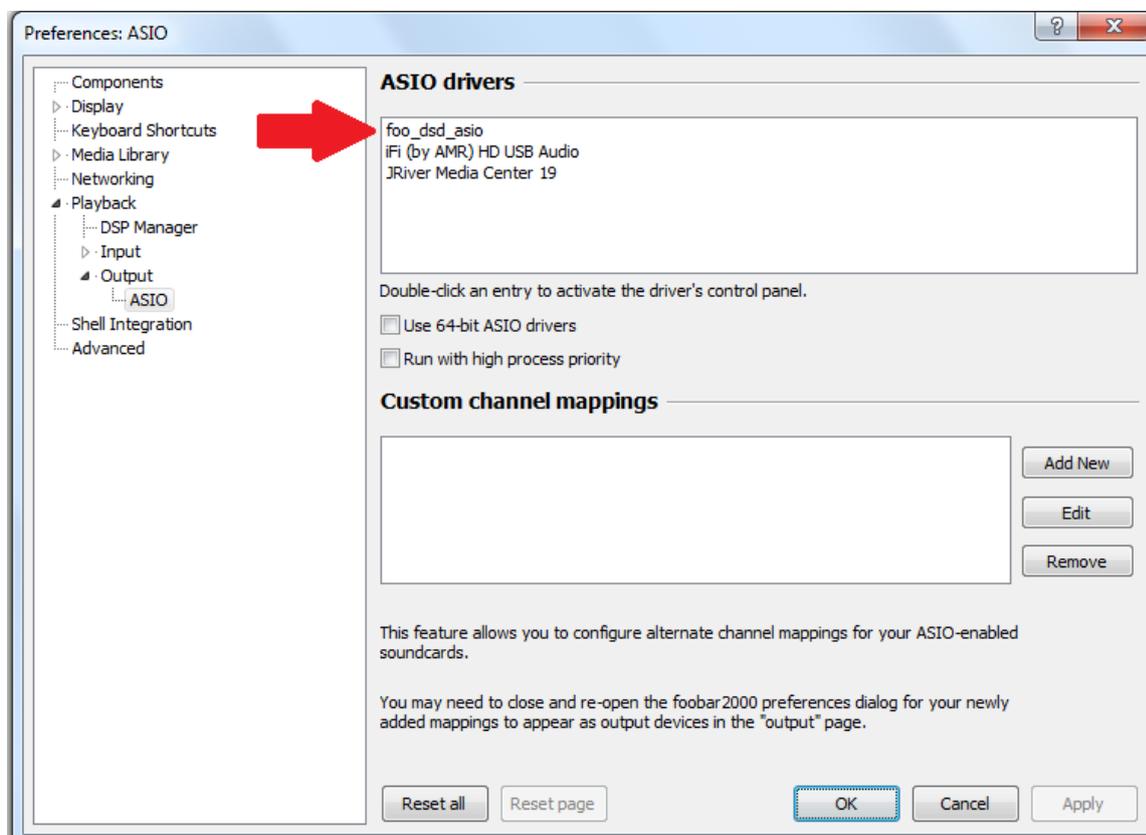
Step 2: Start > Programs > iFi by AMR USB Audio Control Panel

Change the settings to this:



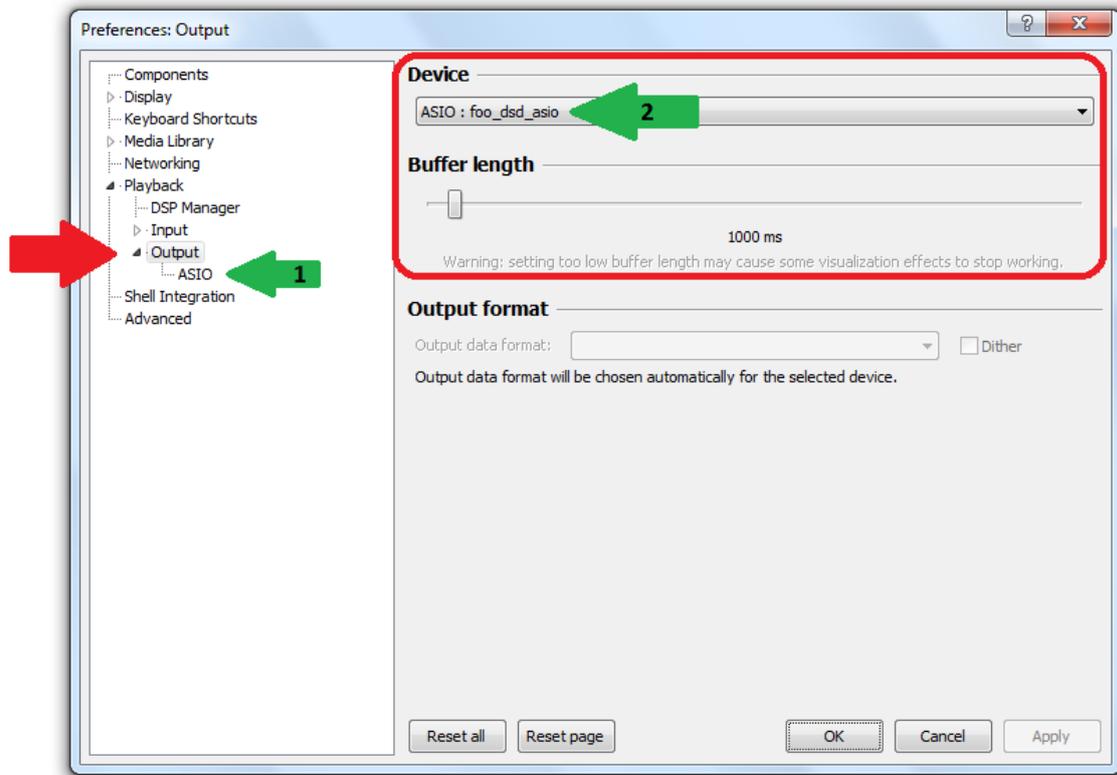
Step 3: Foobar2K File > Preferences

Select "Output>Asio" then under "ASIO drivers" select "foo_dsd_asio"



Step 4: Foobar2k Output

Click "Output" then select "Asio: foo_dsd_asio"



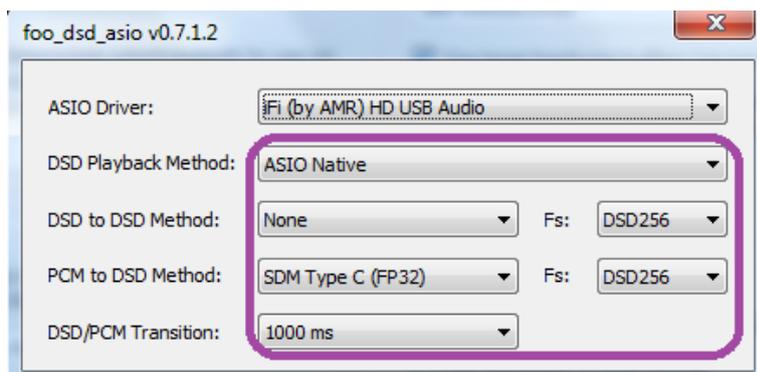
Step 5: Foobar2k foo_dsd_asio

While STILL inside Preferences: Output:

1. Click on "ASIO" (above GREEN arrow 1)
2. Double-click "foo_dsd_asio" (above GREEN arrow 2)

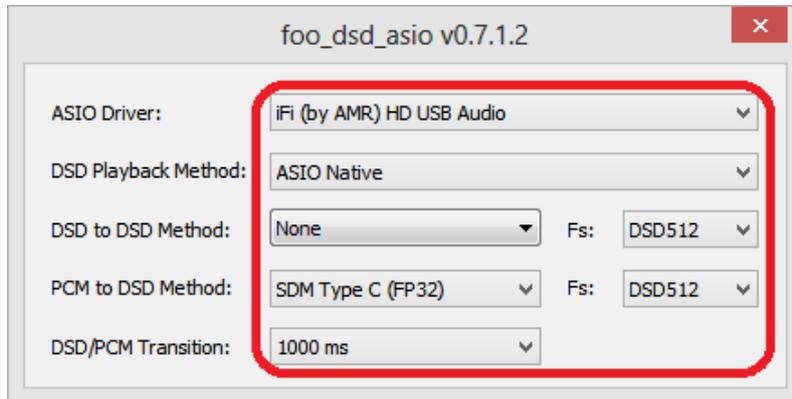
The following "foo_dsd_asio v0.7.1.2" box will open

- i. nano iDSD.....follow these settings for **Quad-Speed DSD256**



OR

- ii. micro iDSD.....follow these settings for **Octa-Speed DSD512**)



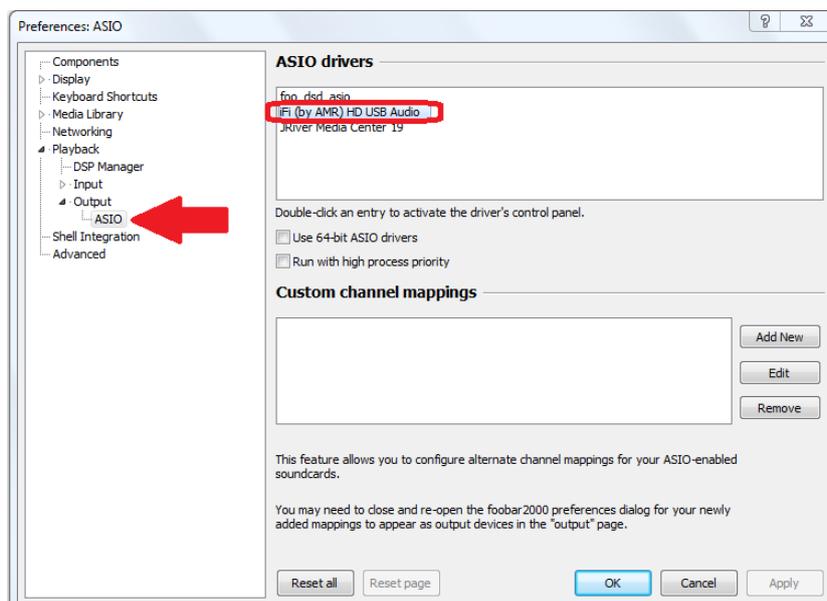
Step 7: EXIT and SAVE

Apply > Exit to save your selection. You are now ready to enjoy your lossy MP3s which have now been upsampled to DSD256/512!

Just look for the **Magenta (DSD256/512)** light on nano/micro iDSD 😊

Addendum: How to revert back to listening to the rest of my high-resolution files via Bit-Perfect?

- Just deselect foo_dsd_asio [ASIO] and revert back to **iFi (by AMR) HD USB Audio [ASIO]**.
 - i. Select ASIO drivers > **ASIO: iFi (by AMR) HD USB Audio**
 - ii. Click “Apply” then “OK”



Note to users:

- I. We do not recommend converting lossless PCM tracks to DSD or altering lossless tracks. We recommend that they are played in their respective native format - PCM tracks remain PCM and DSD tracks remain DSD.**
- II. We cannot provide any additional technical support on Foobar2K other than what has been covered in this tutorial.**
- III. Please ensure that you are reasonably proficient at computer audio. We are not responsible for the changes you make to your computer audio setup!**
- IV. This is only available for Windows as OS X runs only on Core Audio (not ASIO).**
- V. DSD has different gain levels to PCM. So after conversion to DSD, the audio will be a little quieter, how much, varies from one filter to another.**
- VI. Only 44.1/88.2/176.4 & 352.8 KHz tracks can be converted to DSD if "native" is selected in ASIO-Proxy for the iDSD nano/micro.**
- VII. Native interface for now does not support 48kHz-based sample rates for DSD, only DOP does. So if you have a lot of 96/192 material you want as DSD you need to use DoP and you are limited to DSD128 (nano) or DSD256 (micro). Or you can upsample 48 to 88, 96 to 176, 192 to 352 OR downsample 48 to 44.1, 96 to 88.2, 192 to 176.4 and 384 to 352.8 etc.**

References: This article is a good read for general for DSD playback and for the challenges it brings on many platforms.

http://www.positive-feedback.com/Issue69/dsd_pcm.htm



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