



## Lossy file (MP3<sup>1</sup>) 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 however, 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 Foobar2K BUT runs under JRMC)

Download and install this.

[http://sourceforge.net/projects/sacddecoder/files/foo\\_dsd\\_asio/](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](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])

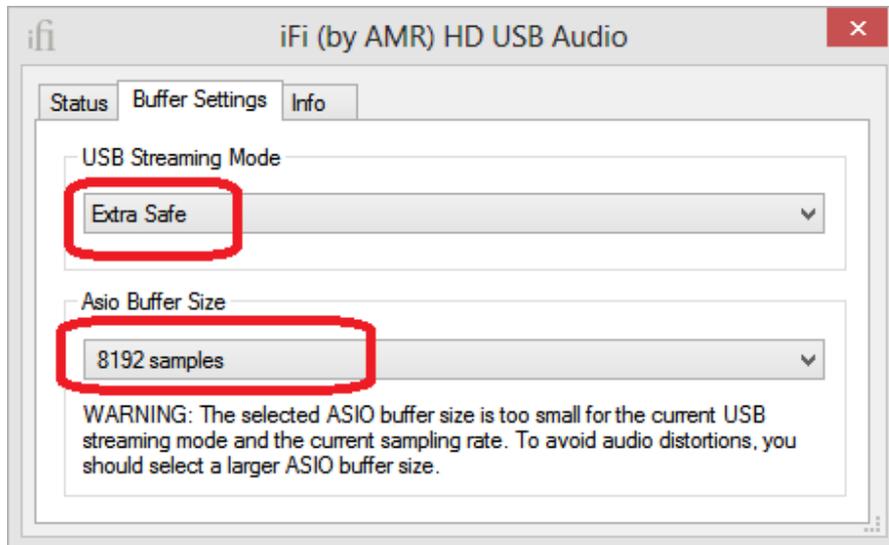
The screenshot shows the SourceForge project page for 'Super Audio CD Decoder' by manisutkin. It includes a navigation menu with options like Summary, Files, Reviews, Support, Wiki, Tickets, Discussion, Donate, Admin, and Mailing. A link is provided for downloading the latest version: 'Download foo\_input\_sacd-0.7.1.zip (611.3 kB)'. Below this is a file listing table for the 'foo\_dsd\_asio' directory.

Name	Modified	Size	Downloads / Week
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

<sup>1</sup> Includes AAC, MP3 & WMA etc...

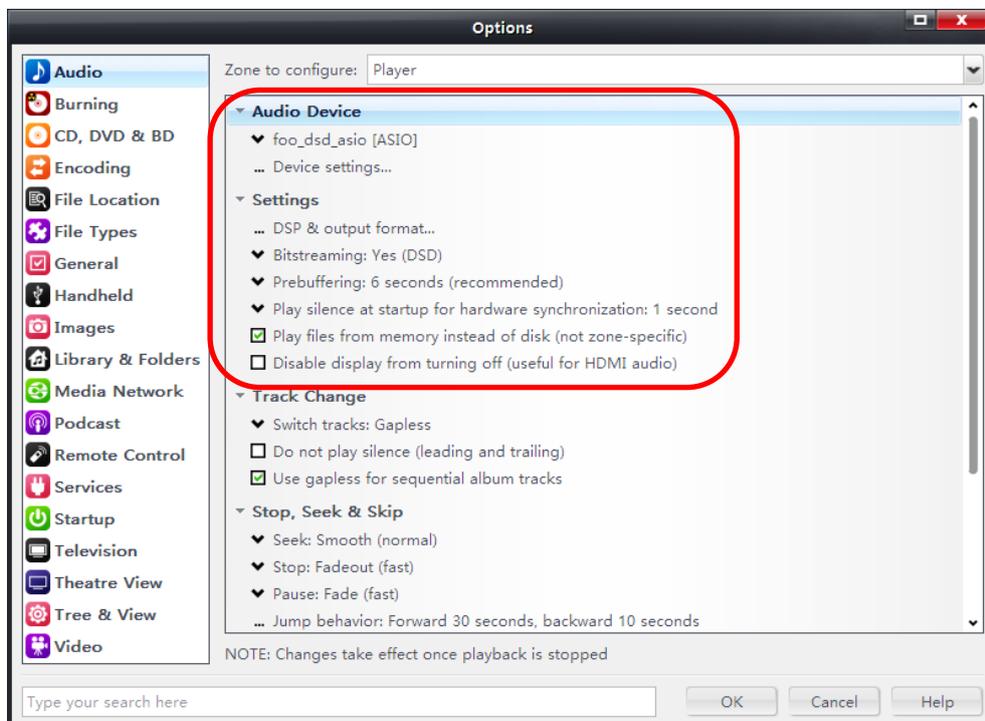
## Step 2: Start > Programs > iFi by AMR USB Audio Control Panel

Change the settings to this:



## Step 3: JRMC Tools > Options

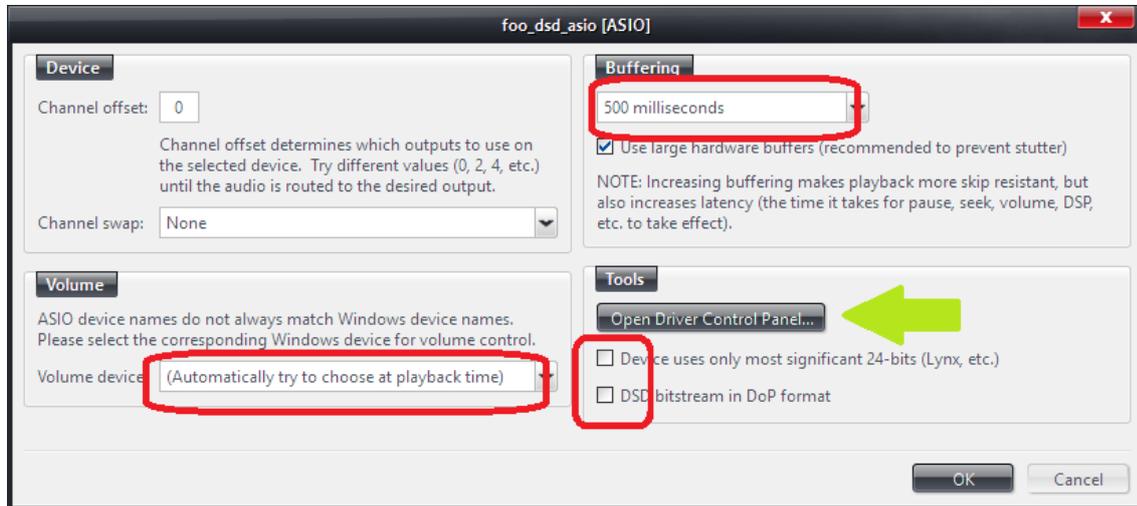
Under Audio Device, select "foo\_dsd\_asio" and follow the other settings as shown below.



For **JRMC 18**: you MUST first save the settings and exit the Options panel and then go back in to get the ASIO-Proxy control panel.

### Step 4: JRMC foo\_dsd\_asio Device settings

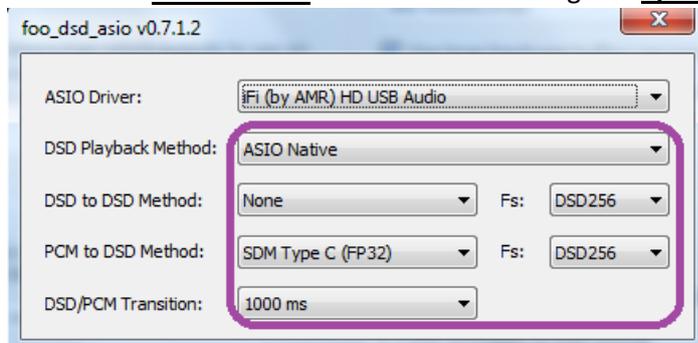
Click and open the "... Device settings ..." and make the following (RED) selections:



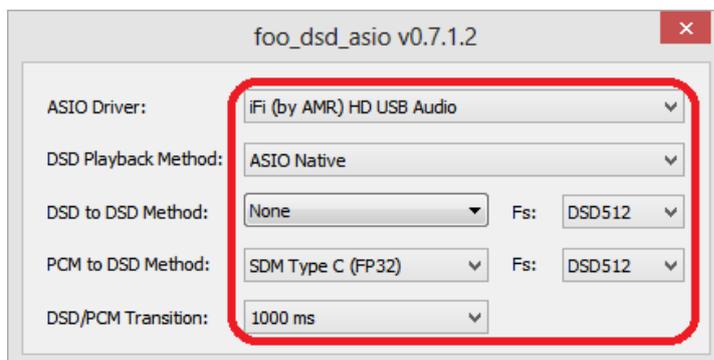
### Step 5: JRMC Open Driver Control Panel

While STILL inside foo\_dvd\_asio [ASIO], click on "Open Driver Control Panel" (above GREEN arrow)

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



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



## Step 6: EXIT and SAVE

Exit AND Save you selection. You are now ready to enjoy a new lease of life with your lossy MP3s!

**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]**.

### **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 JMRC 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). Alternatively, it is possible to 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 is an interesting read for DSD playback and for the challenges it brings on many platforms.

[http://www.positive-feedback.com/Issue69/dsd\\_pcm.htm](http://www.positive-feedback.com/Issue69/dsd_pcm.htm)



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### **About iFi**

iFi™ is a subsidiary of Abingdon Global. Abingdon Global is also the parent company of Abingdon Music Research (AMR).

Note to journalists: High resolution photos and official logos downloadable from: <http://www.ifi-audio.com/partnerdownload/>

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