Ripping SACDs on an Oppo BDP-103/105 using Sonore ISO2DSD

- Download your required version of **ISO2DSD** from the Sonore website. There are versions available for Windows, OSX and Linux, though I have only used the Windows version.
  http://www.sonore.us/iso2dsd.html

- The download location should be a new folder in the ROOT of your chosen drive*. This is important, as it is common for rips to fail without explanation due to excessively long path names (The file name for each track is taken from the metadata stored on the SACD, over which you have no control. Such file names can be very long, especially for classical music). For the same reason, the folder name should be short, e.g. SACD. Naming the folder as 'SACD' also makes sense, as ISO2DSD always stores rips in subfolders within its own folder (you can't change this behaviour).

  > * It doesn't have to be the c:\ drive, but whichever drive you use will need a lot of free space. It's not a problem if ISO2DSD is downloaded initially to a different location. The folder containing all the ISO2DSD files can be moved and renamed without affecting your ability to run ISO2DSD (unlike more conventional Windows applications)

- Download **AutoScript.zip** from
  https://www.dropbox.com/sh/8cunli3d3basmix/AAAY2mPDW9QH_so52EwCCBhya?dl=0
  This link was first posted on 21 July 2016 by **ted_b** (the originator of the '*SACD Ripping using an Oppo or Pioneer? Yes, it's true!*' thread on computeraudiophile.com). You can find this post at the top of page 2 of the thread. There are other links for downloading different versions of the AutoScript files, e.g. to suit the Pioneer BDP-160, but they might not work with the Oppo.

- Extract the following 3 files from AutoScript.zip (note that only the second file has a file extension) and then save them to an AutoScript folder on a USB memory stick. Sonore ISO2DSD is hard-coded to look for this Autoscript folder. If you use another name or put the files in the root of the USB drive, then ISO2DSD will generate a 'Failed to connect' error.
  - AutoScript
  - AutoScript.TSS
  - sacd_extract

- Plug the USB memory stick into the USB input on the front panel of the Oppo 103/105. Assuming that the machine is already powered up, then this should cause the disc drawer to open after a delay of about 5 seconds. If the drawer doesn't open, try a power reset on the Oppo.

- Load an SACD and close the drawer. You should own the SACD. I don't condone piracy (aka theft)!

- It's not vital, but I recommend that you open the Playback Setup section of the Oppo's Setup Menu and disable **Auto Play Mode** and **Auto Resume**, as they interfere with the ripping process. Then check the Network Setup section and take a note of the current IP address of your Oppo (listed under Connection Information). You may find it more convenient to set a fixed IP address for the Oppo, as otherwise you might find that each ripping session requires a different IP address

- Open **ISO2DSD** (I don't know about the OSX and Linux versions, but Windows users should double-click on **iso2dsd_gui.exe**)
  - Select the Server Input radio button at the top of the screen
  - Enter the IP address of your Oppo
  - Select dual or multi-channel mode
  - Select an output mode of Sony DSF (this DSD format is usually the best option, as it allows metadata tags to be stored in the file)
  - Press the Execute button to start the ripping process
  - The rip status will be displayed in the lower part of the ISO2DSD window
  - The resulting .dsf files will be stored in a dedicated album folder within the folder where ISO2DSD is stored.

I hope this helps Oppo owners avoid the tedium of trawling through the thread. Thanks are due to **Mr Wicked**, who first discovered a way of using the Oppo to rip SACDs, to **ted_b** for publicising this process and to **Sonore** for developing the ISO2DSD software that makes it all a little easier.

Oppo UDP-203/205

Unfortunately, the Oppo UDP-203/205 machines, which replaced the BDP-103/105, do NOT allow the ripping of SACDs. This is due to a change of chipset.

Ripping failures due to excessive length of filename

As previously mentioned, the folder containing ISO2DSD and its rips should have a short name and be located in the root of your chosen drive, **but even if you do this, there is still a possibility that some classical SACDs might contain metadata that automatically generates a filename that is too long to be accepted by the operating system**.

If this happens, the status panel of ISO2DSD will simply stop displaying an incrementing counter of what percentage of the current track has been ripped. There will probably be no other indication of the cause of the error. This was my experience before I realised the importance of the folder name and location.

The only potential workaround I have heard of for such a problem is as follows.

- Rip the offending SACD with ISO2DSD set to an output mode of 'Raw ISO'
- Download the free version of Aul ConverteR 48x44 from http://audiventory.com/
- Use this to test its claimed ability to extract bit-perfect DSF files from the ISO file, with intelligent adjustment of filenames to ensure that they are acceptable to the operating system
- The free version of the software deliberately inserts 2 seconds of silence in the middle of each DSF, so is only useful for checking that it can generate a DSF for each track on your problem SACD
- If the test proves satisfactory, then you need to buy one of the commercial versions of Aul ConverteR 48x44. The cheapest option is to buy only the **ISO Extract** module. http://samplerateconverter.com/soft/audio-iso-converter.php#prices-select

This solution was proposed in posts on page 88 of the '*SACD Ripping using an Oppo or Pioneer? Yes, it's true!*' thread on computeraudiophile.com by Yuri Korzunov, the author of Aul ConverteR 48x44.

I have never tried this, as I have not yet purchased an SACD that I have been unable to rip in the normal manner. I cannot therefore personally vouch for the suitability of Yuri's software, or for the accuracy of the above instructions. Anyone making use of this process is strongly encouraged to provide feedback via the following link.

https://www.computeraudiophile.com/forums/topic/28569-sacd-ripping-using-an-oppo-or-pioneer-yes-its-true/

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