

# How to use USB DAC 2.0

Thursday, November 26, 2020

7:12 PM

**Because MacOS supports and Windows does not support the USB Audio 2.0 protocol, the driver needs to be installed on Windows (not required for Windows 10 1703 or later). This article takes Windows 7 and Windows 8 as examples.**

## **1. Installation preparation**

- a) Check the relevant information of the device, the device supports USB Audio 2.0.
- b) Download the driver used by your device, please visit the website of the device manufacturer to check.
- c) Make sure the device is working in USB DAC mode.

## **2. Driver installation**

### **Installation method one (Windows 7):**

- a) **Connect the device to the computer through a USB cable. At this time, because there is no driver, the device will not be connected to the PC. Continue to the next step.**

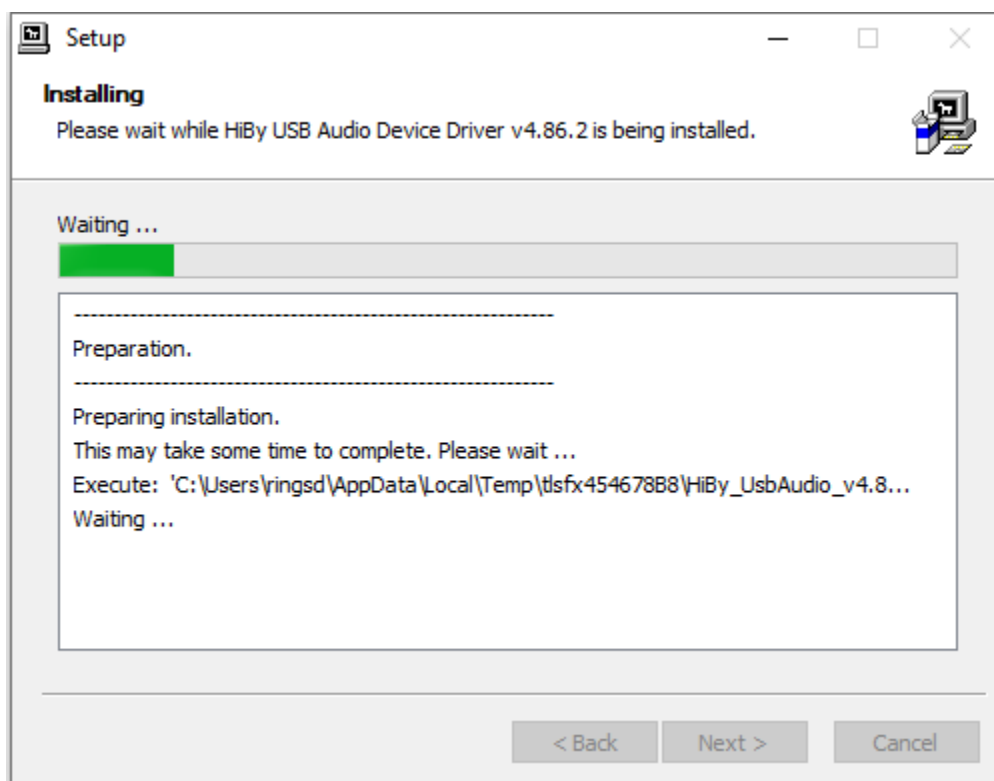
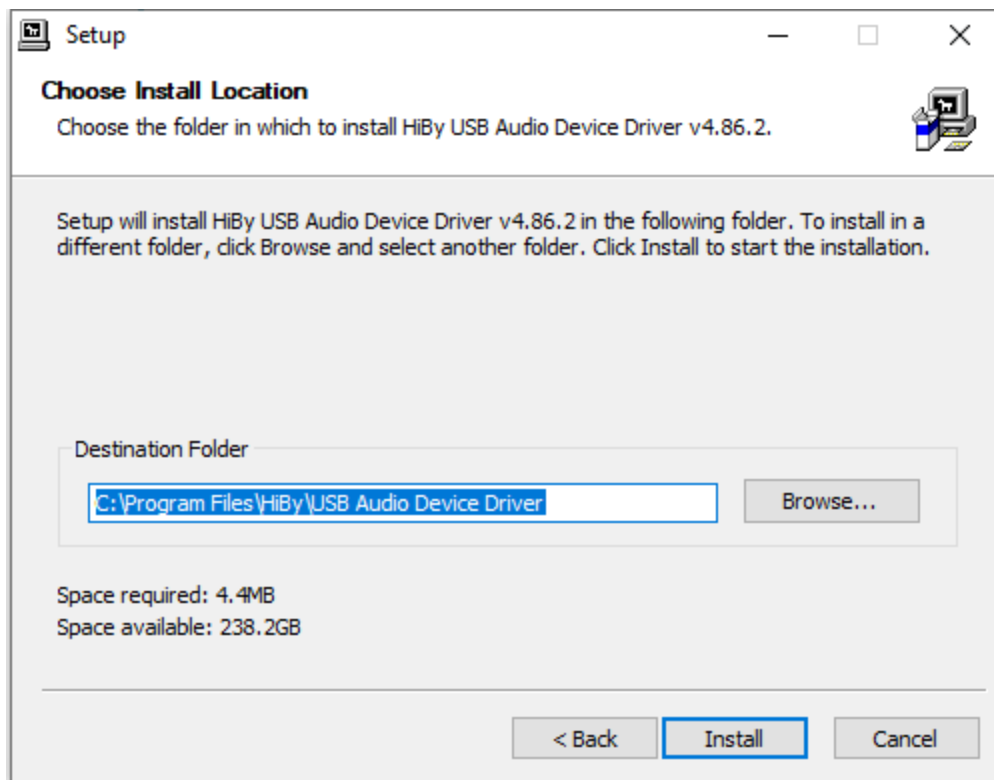
**Reminders: Please ensure that the USB cable is with quality assurance. If you use a desktop computer, please select a USB port on the rear panel. The front panel may have insufficient power supply and impedance problems. In addition, it is not recommended to use USB extension line.**

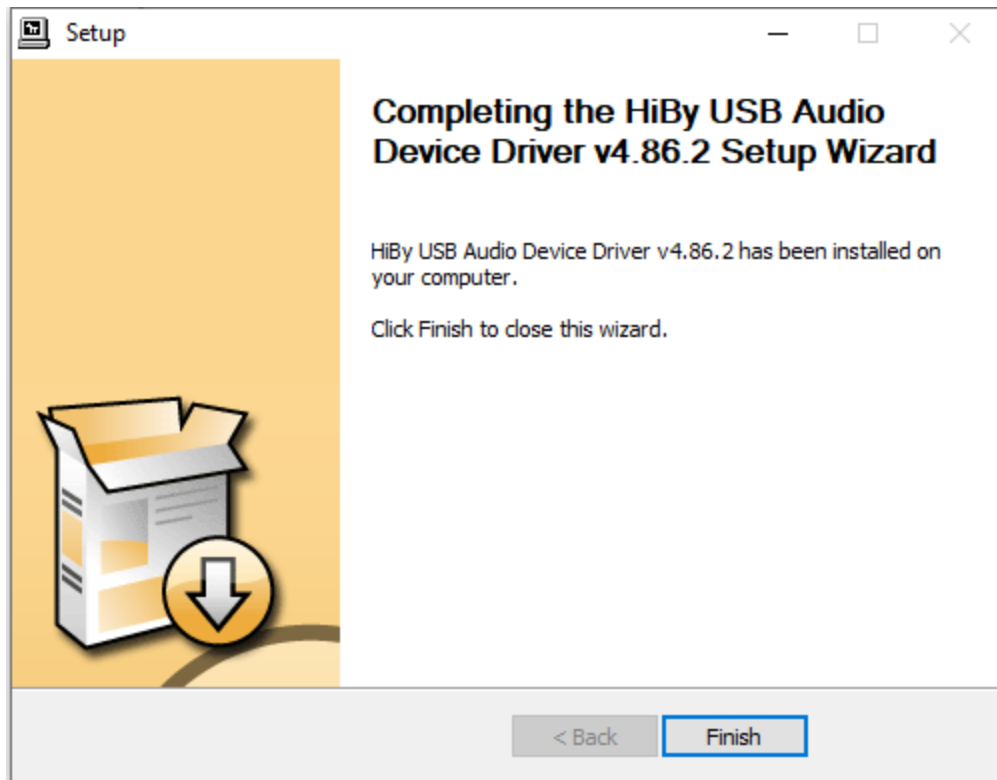
b) Run the provided driver as shown below.



Check if the USB DAC device is connected, make sure the device is connected to USB.

The driver found the device and recognized the device.





At this time, you can turn on the device through the small speaker in the lower right corner. If you choose to set as default, the system sound will be output through the USB DAC device.



### 3. Possible problems with installation failure

#### **Contact device manufacturer**

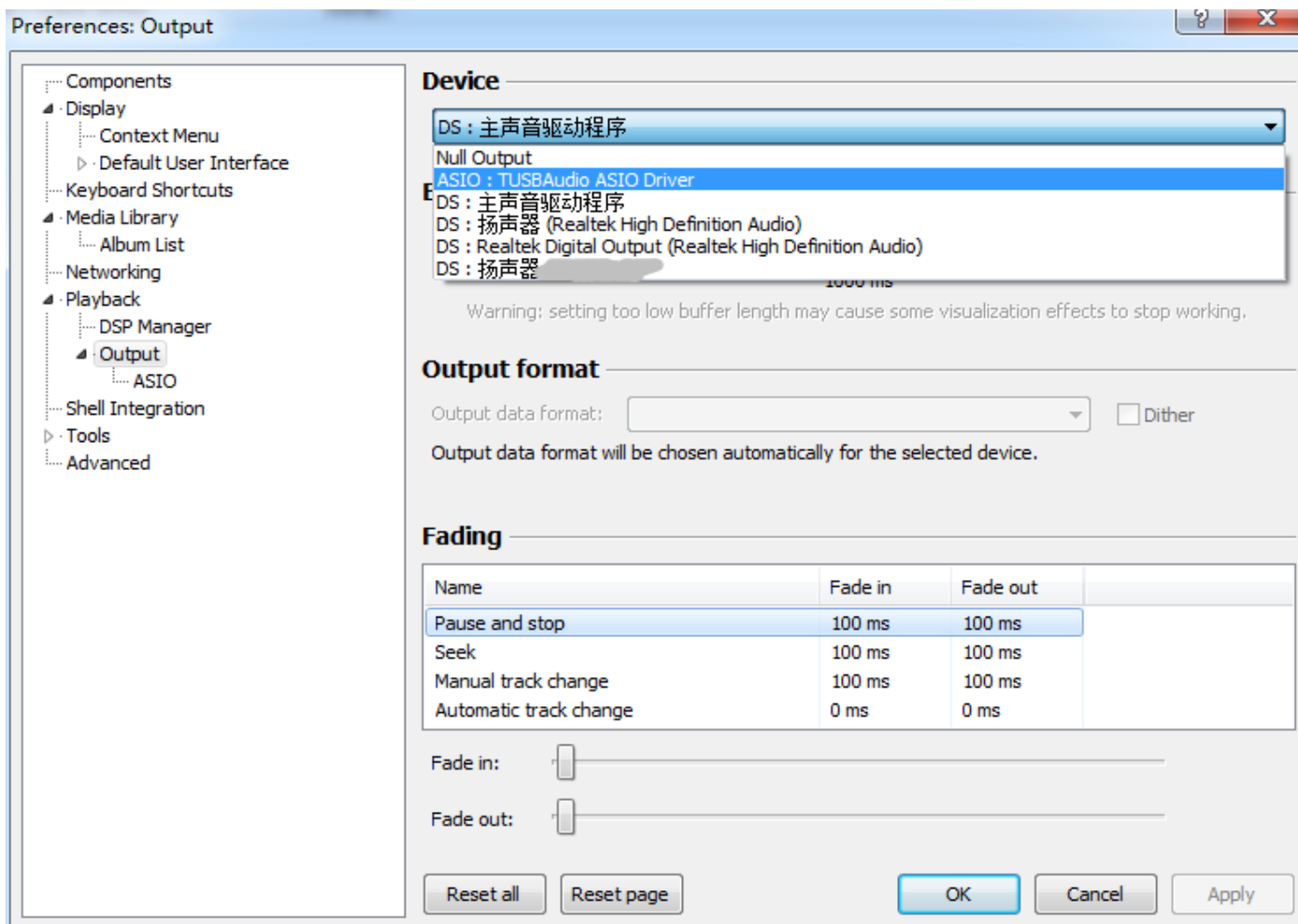
USB DAC plays songs with different sample rate, the player takes Foobar2000 as an example.

a) Download the latest version of Foobar2000 at <http://www.foobar2000.org/download> and install Foobar2000.

b) Download Foobar2000 ASIO plugin at [http://www.foobar2000.org/components/view/foo\\_out\\_asio](http://www.foobar2000.org/components/view/foo_out_asio)

Because Foobar2000 was installed before, the downloaded plugin can be run and installed directly. If not, please refer to Foobar2000 plugin installation on the Internet.

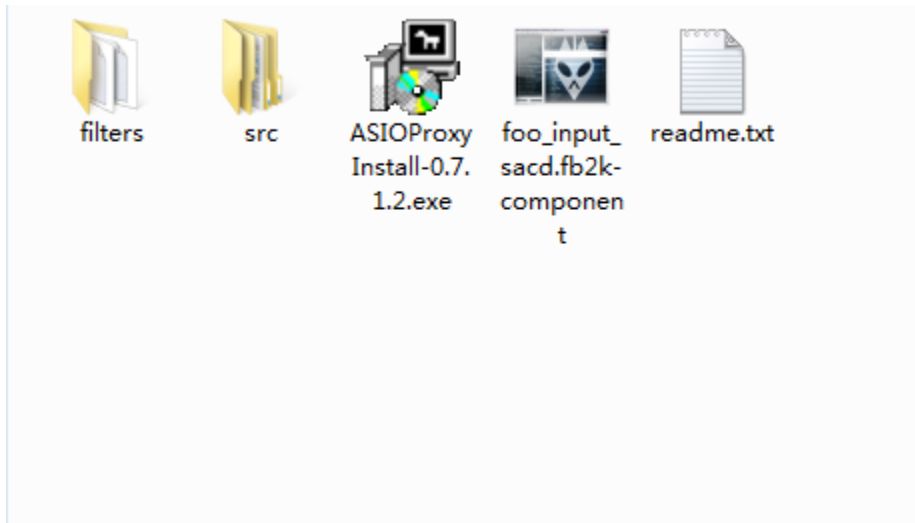
c) Foobar2000 menu -> Library -> Configure, select Playback Output and the following interface will appear, select ASIO, and after saving, you can play the song.



d) Download SDCD decoding plug-in to support DSD at <http://sourceforge.net/projects/sacddecoder/files/>

Choose foo\_input\_sacd, choose any version to download

Unzip the file as shown below.

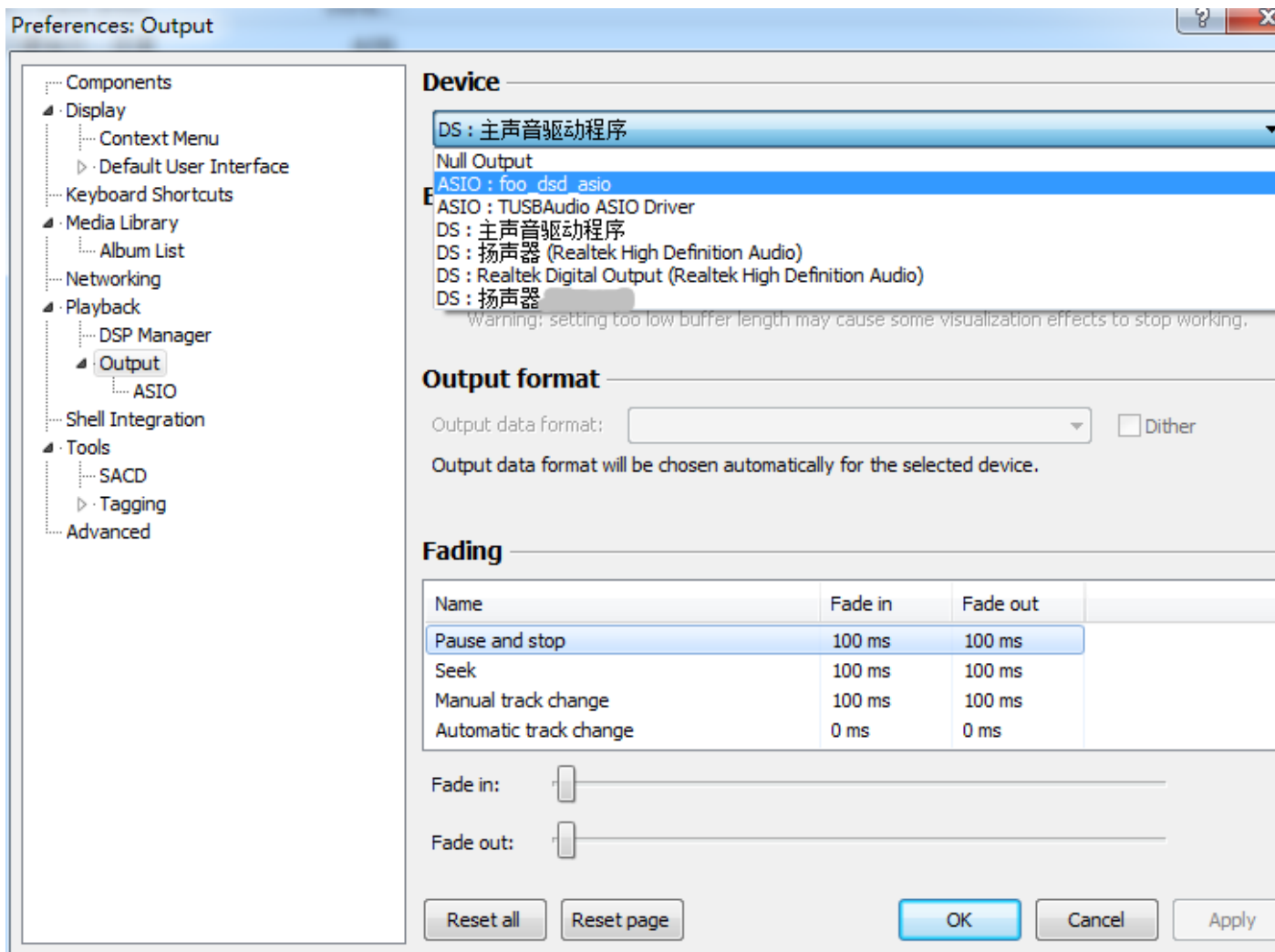


Double-click ASIOProxyInstall-0.7.1.2.exe and install it.

Double-click foo\_input\_sacd.fb2k-component to install it. If it doesn't work, please refer to the installation of Foobar2000 plugin on the Internet.

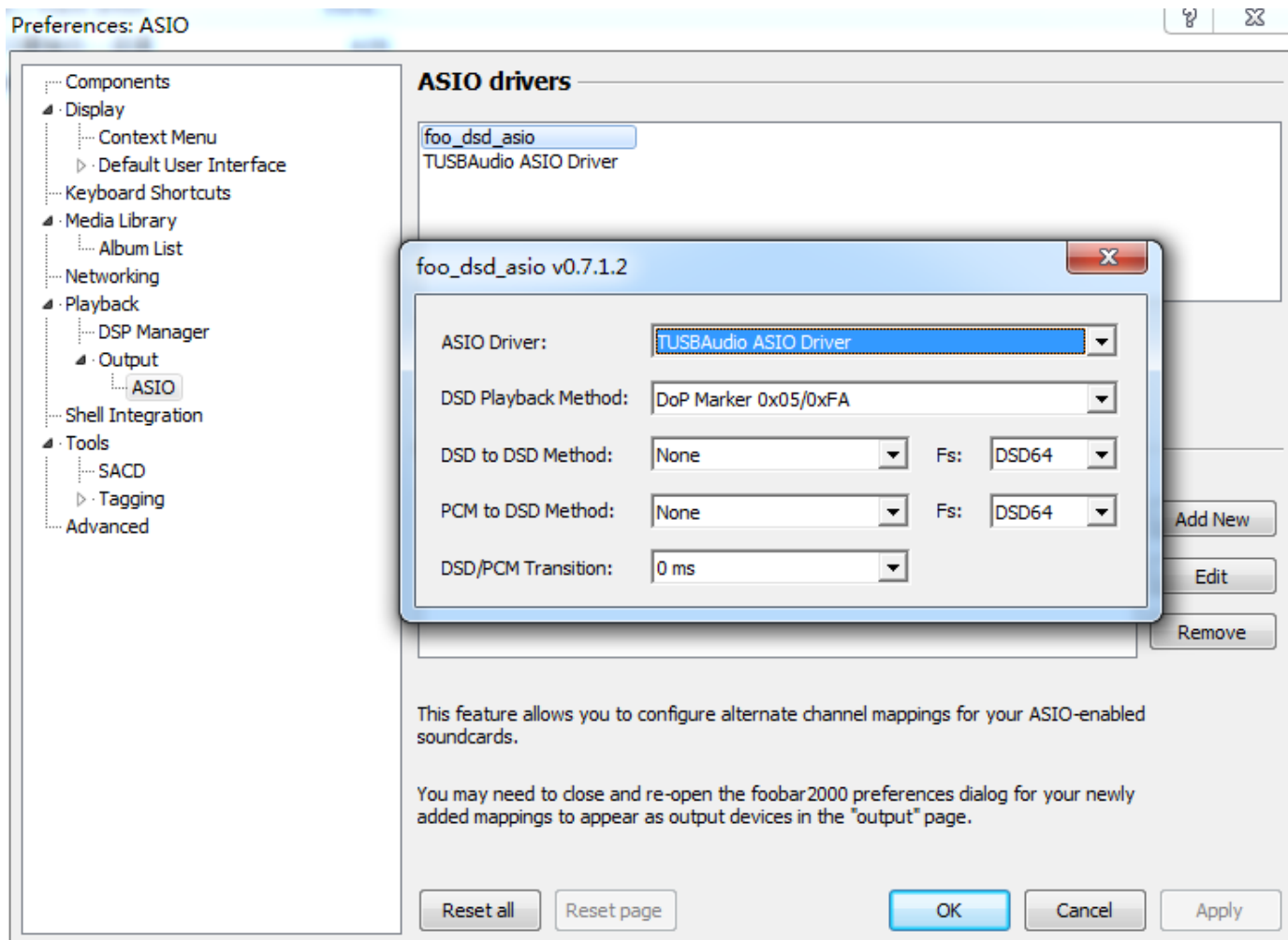
After the installation is complete, a new output device of foo\_dsd\_asio will be added. Select this device to support DSD playback.

Foobar2000 Menu -> Library -> Configure, select Playback Output and the following interface will appear.



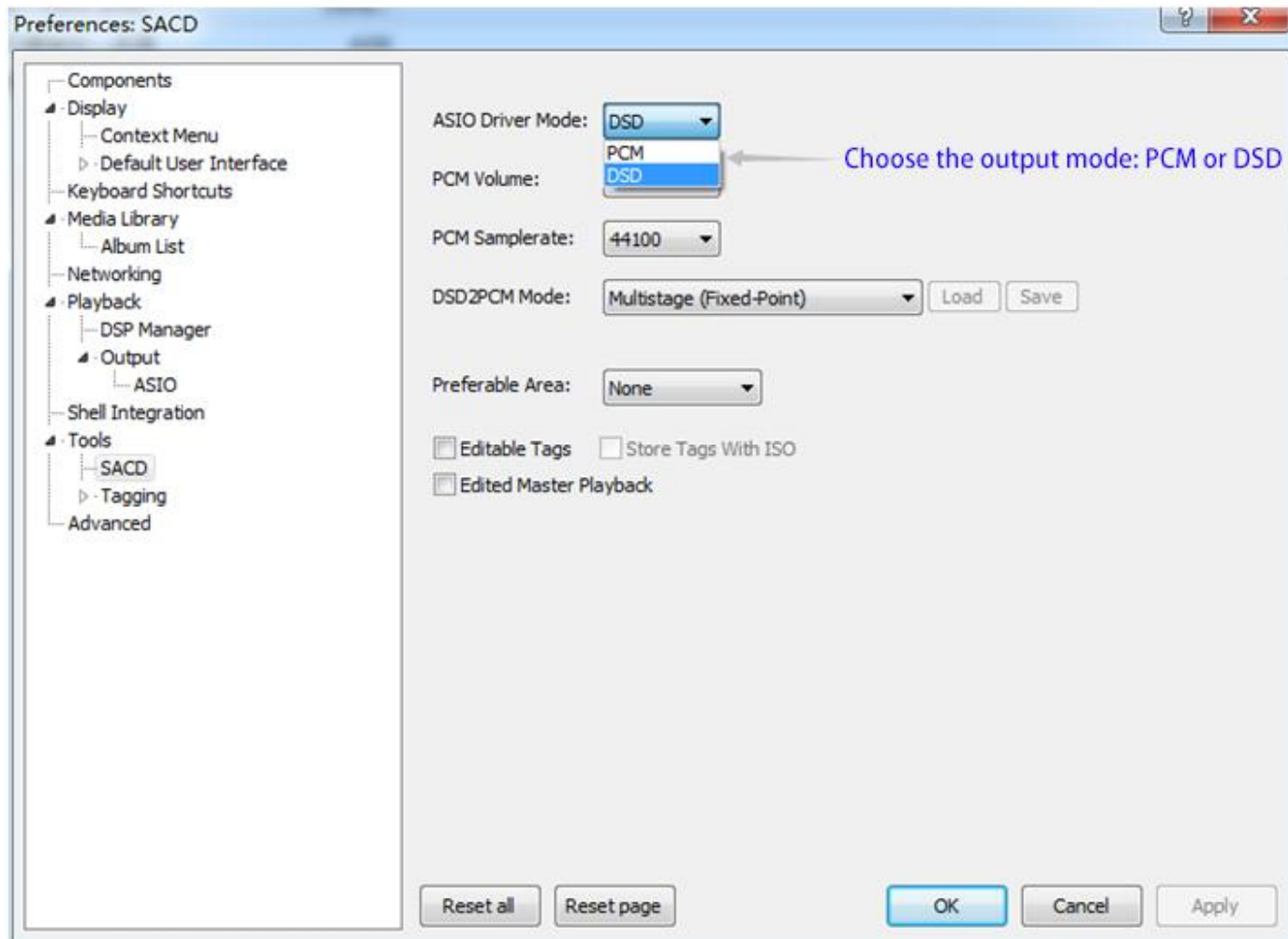
Foobar2000 menu -> Library -> Configure, select Playback Output ASIO, double-click foo\_dsd\_asio, the following interface will appear.





Foobar2000 menu -> Library -> Configure, select Tools SACD, the following interface will appear.

If you need DSD direct output, select DSD; if the device does not support DSD direct output, select PCM, the program will automatically convert DSD data to PCM output.



After saving, you can play DSD songs through DoP.

This article refers to the following URL:

<http://www.exasound.com/Blog/tabid/74/articleType/ArticleView/articleId/61/Configuring-Foobar2000-for-ASIO-DSD-DXD-Playback-with-exaSound-DACs.aspx>