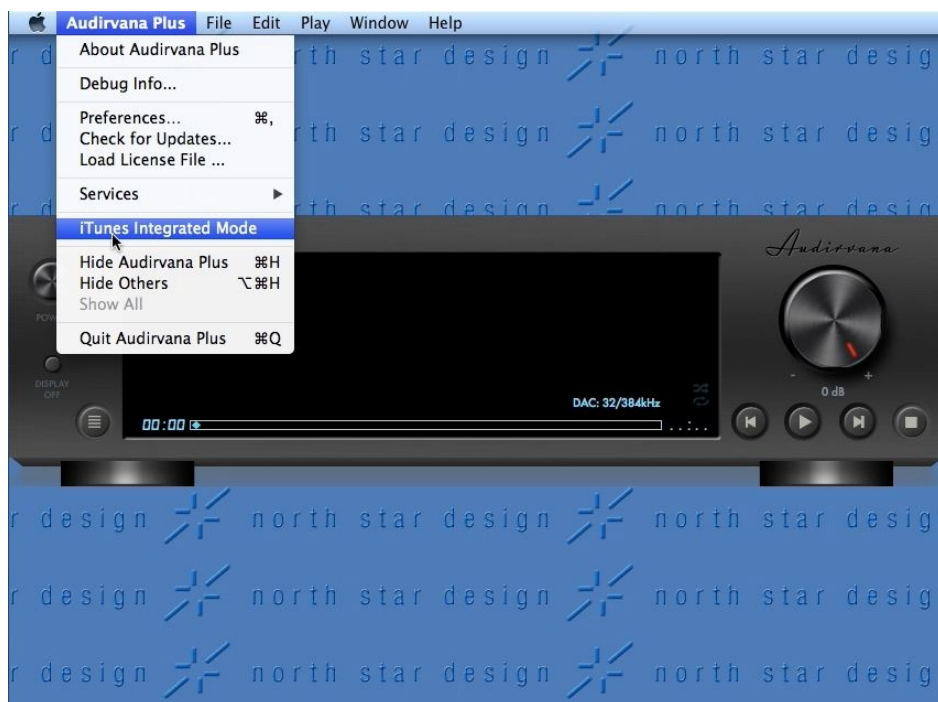# PLAYERS SETTINGS

For MAC users we recommend Audirvana or Pure Music.
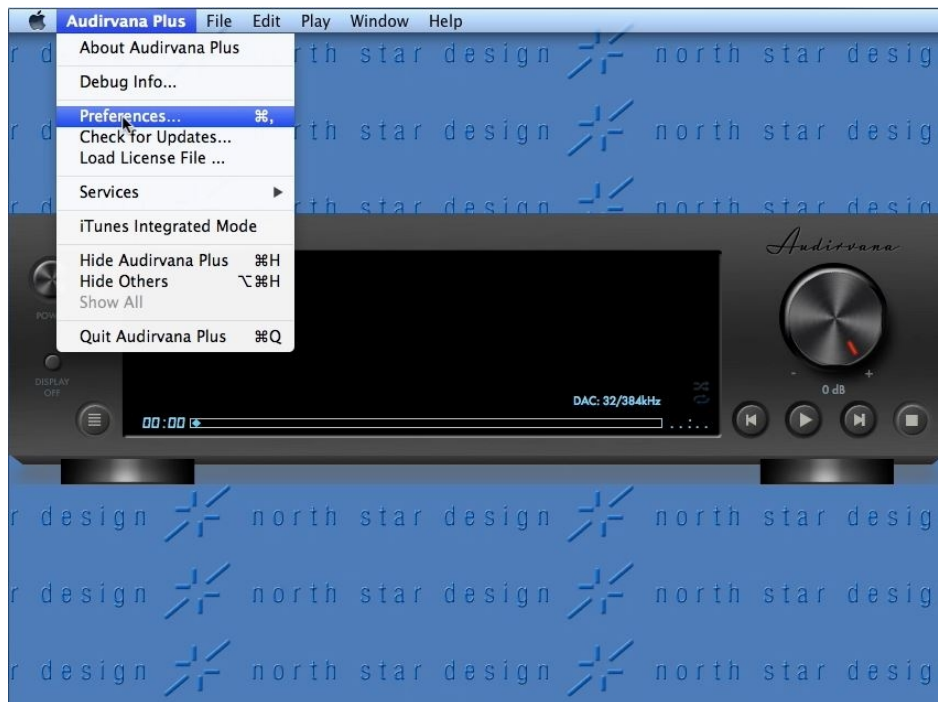
Audirvana configuration
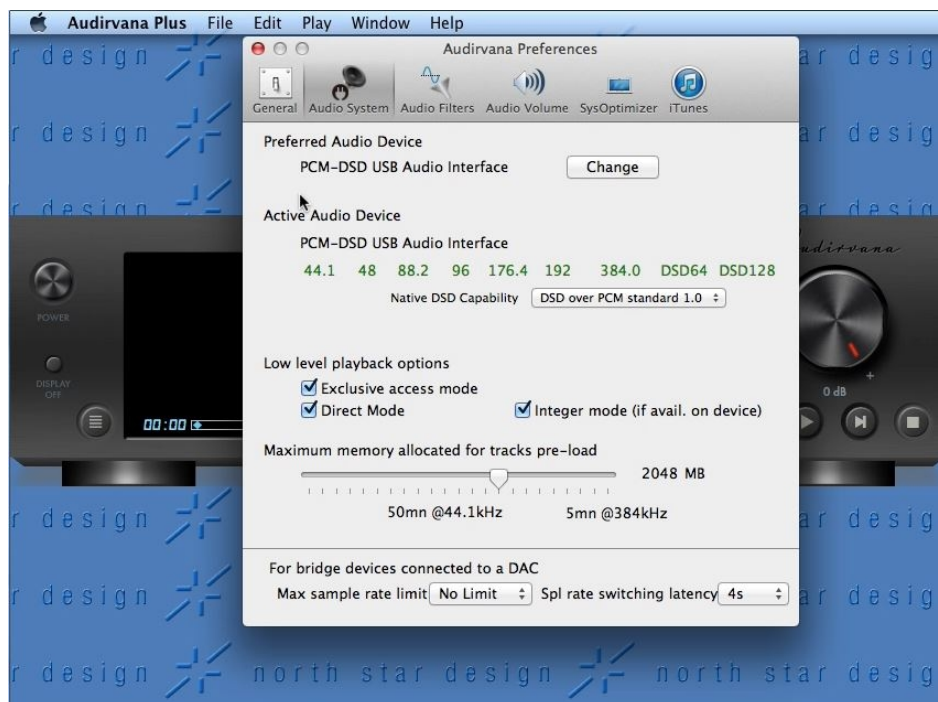

1. On top Bar click Audirvana Plus menu and verify iTunes Integrated mode is not checked
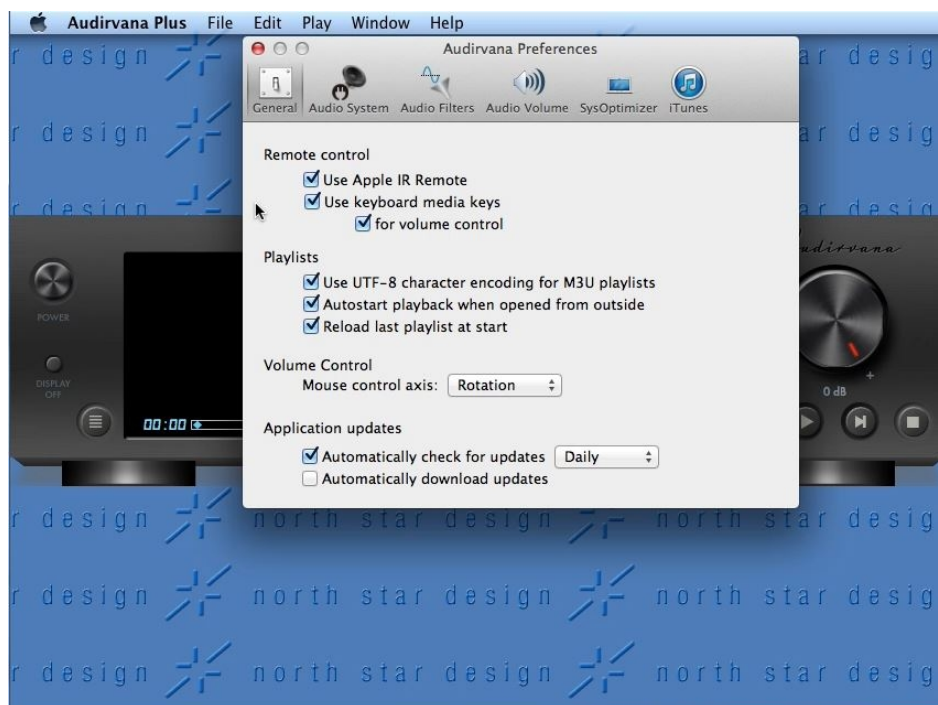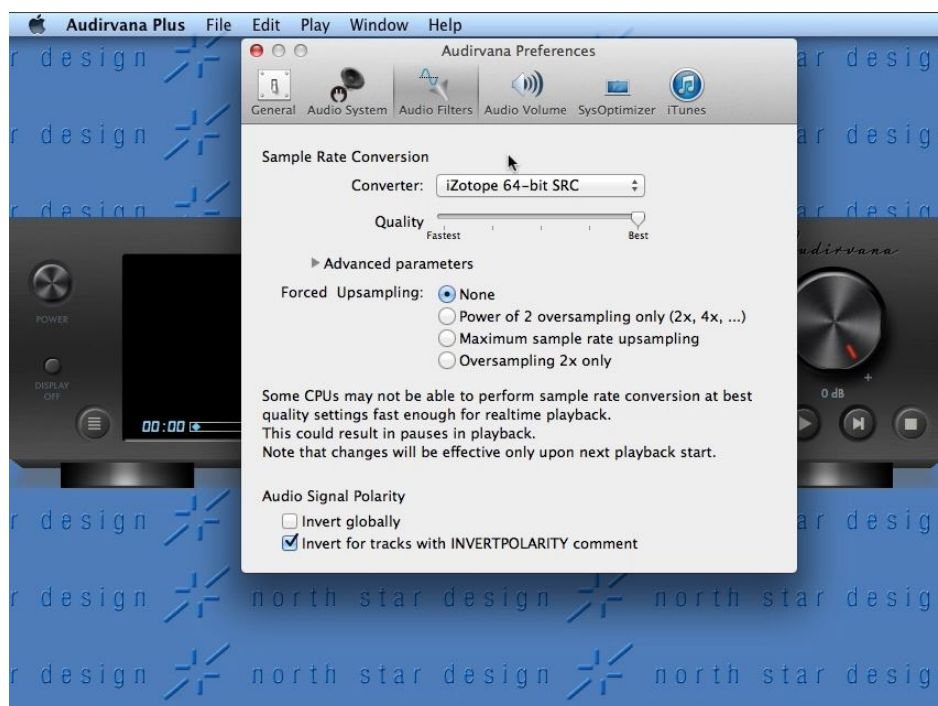
2. Select Audirvana Plus >Preferences

3. In Audio system window ensure you have set PCM-DSD USB Audio interface as output device:
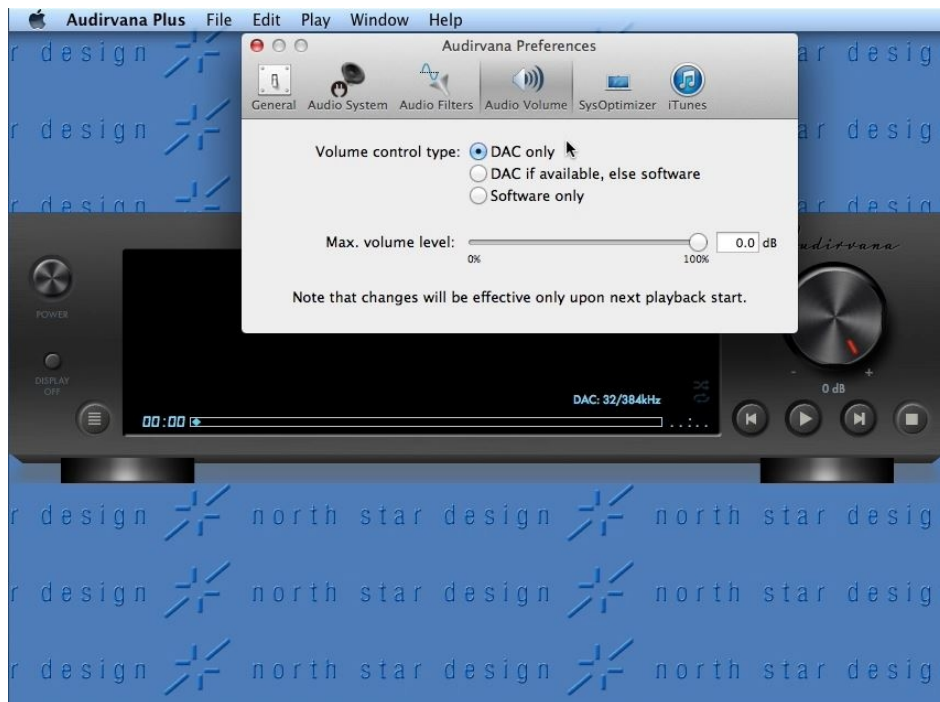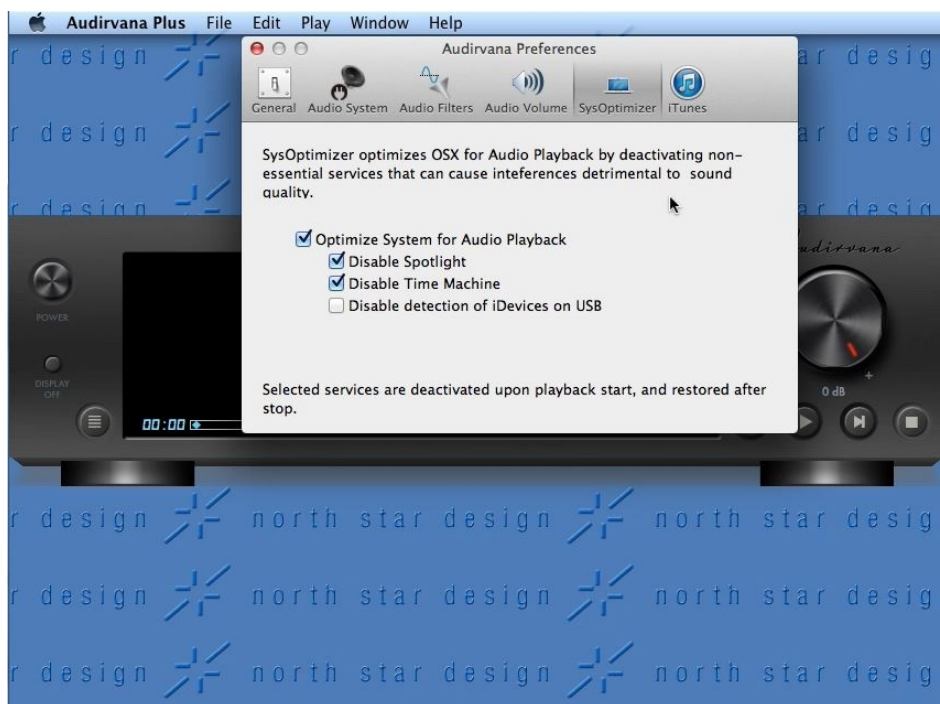
4. *In addition we recommend to set player in this way:*

General window

Audio Filters window

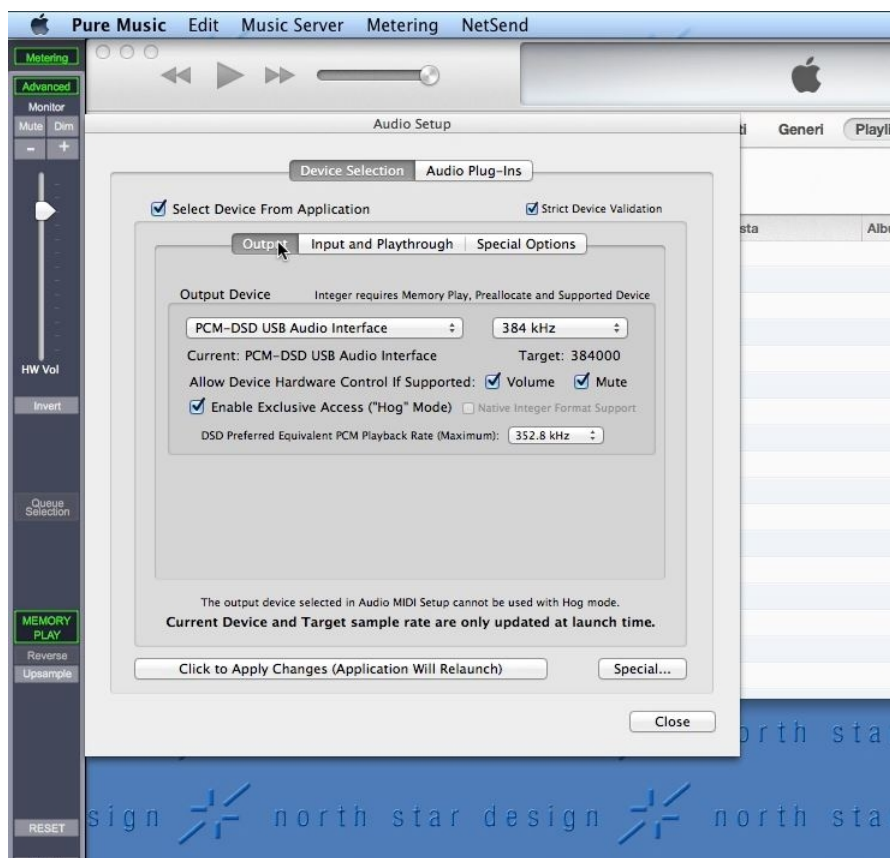*Audio Volume window*

SysOptimizer window

Pure Music configuration

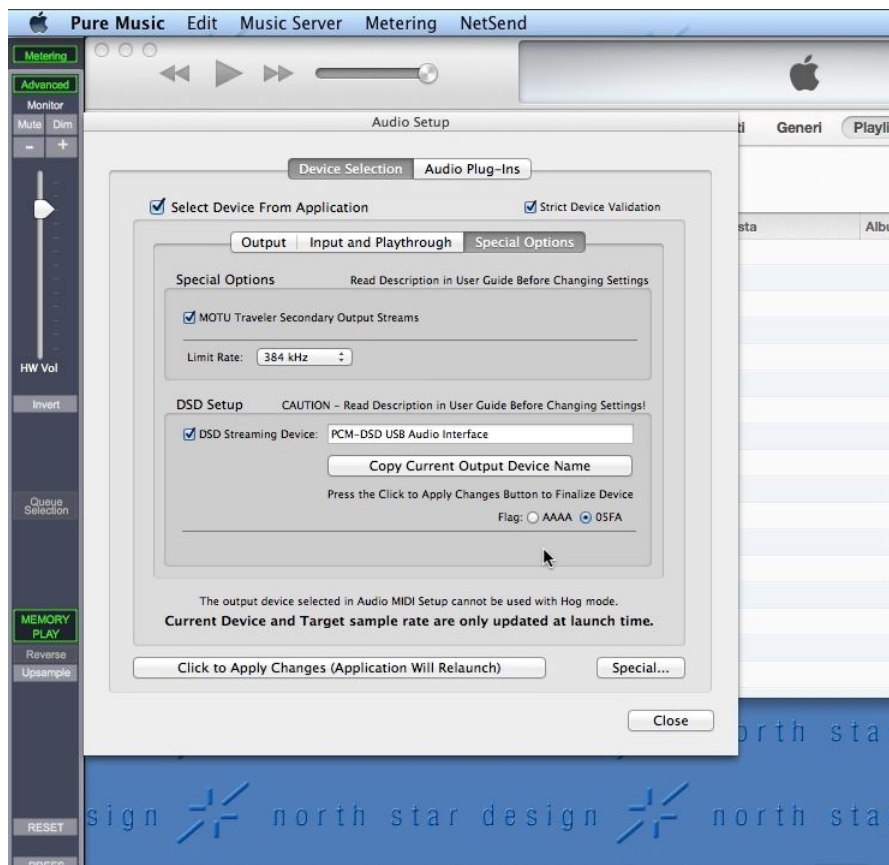*Pure Music works only in integrated mode with iTunes:*

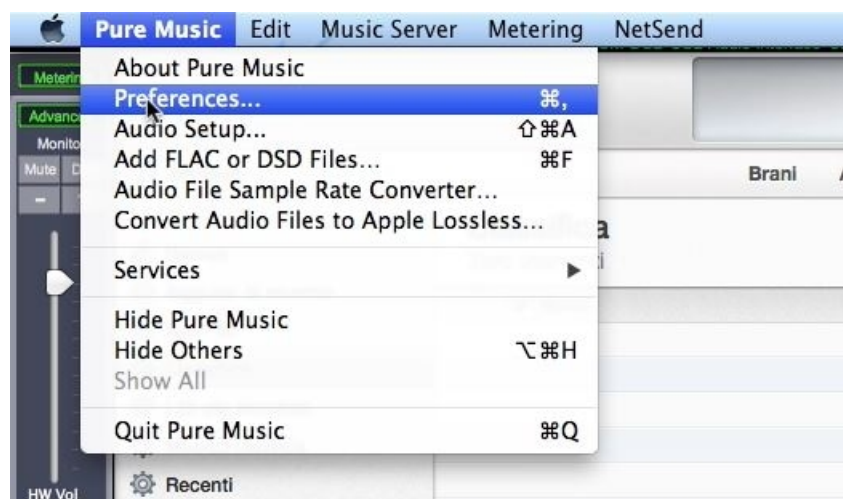1. *On top Bar click on Pure Music > Audio Setup*

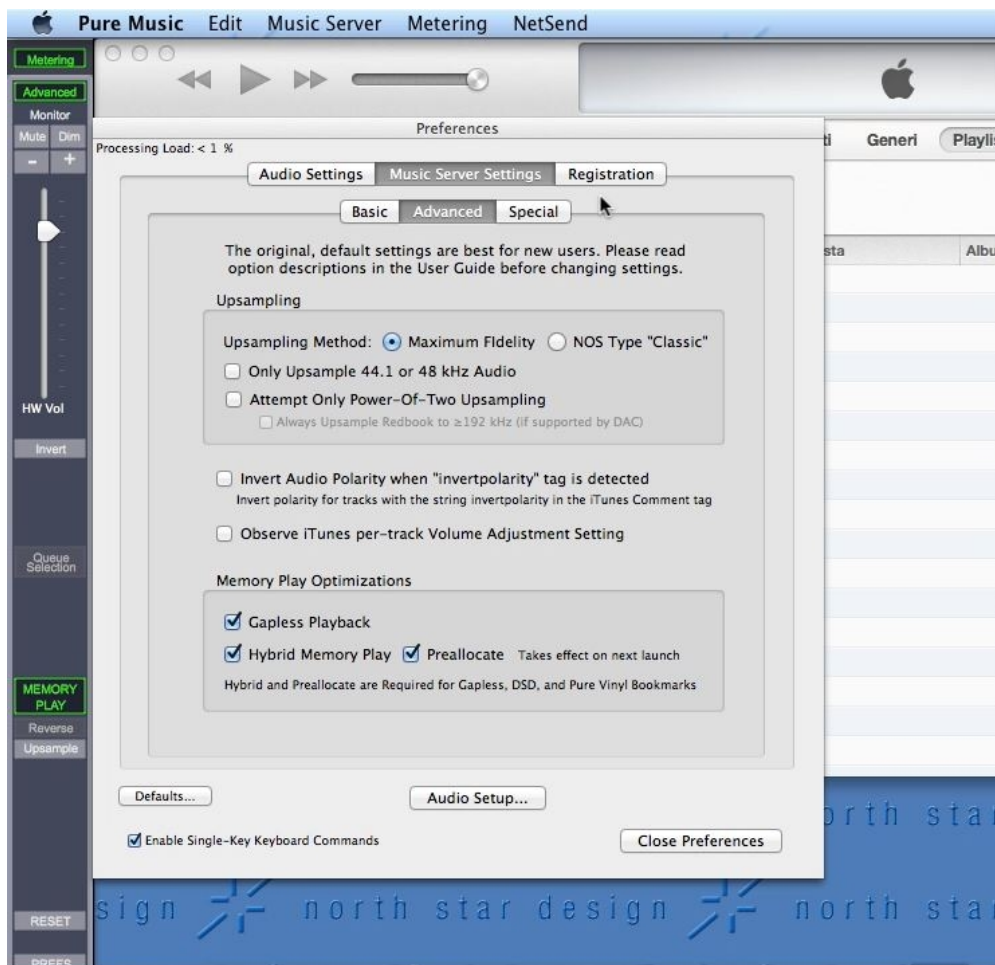2. *In Device Selection verify is selected PCM-DSD USB Audio Interface as output device*

3. To play dsd file go on Special Options and check DSD streaming Device option. In addition set DSD flag to 05FA so the DAC can recognize the file correctly.

4. For DSD file memory play option must be enabled, so verify is green lit on side bar. Then go in Pure Music > Preferences
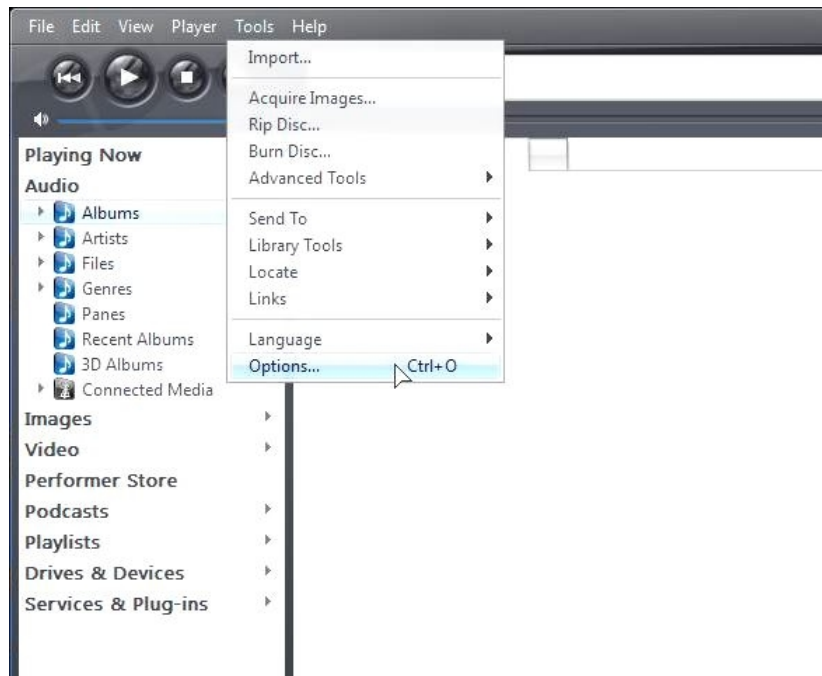
5. In Music Server Settings > Advanced you must enable Preallocate mode in Memory
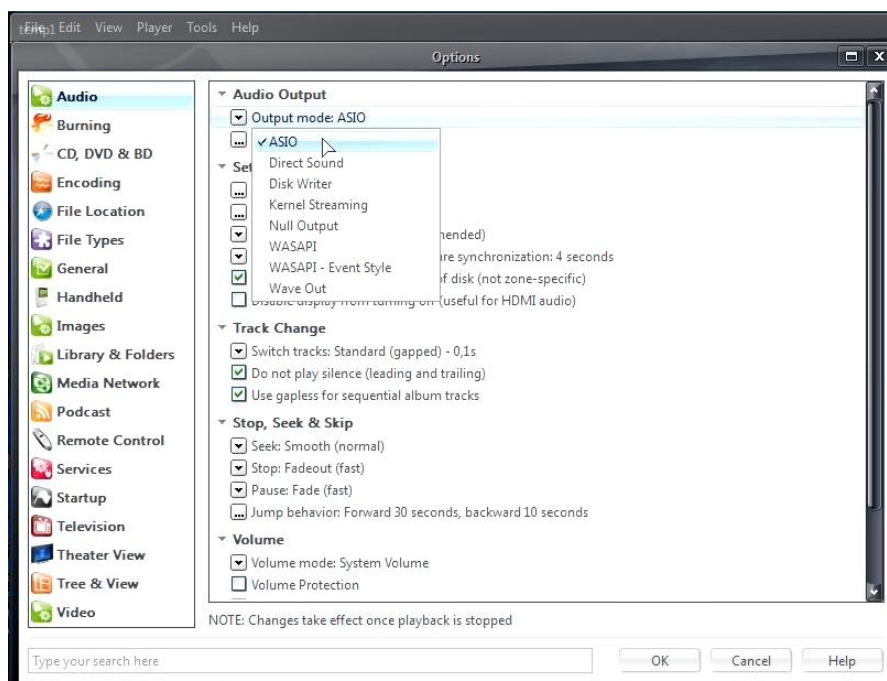   Play Optimization.

For Windows users we recommend Jriver or the free player Foobar2000.

Jriver configuration
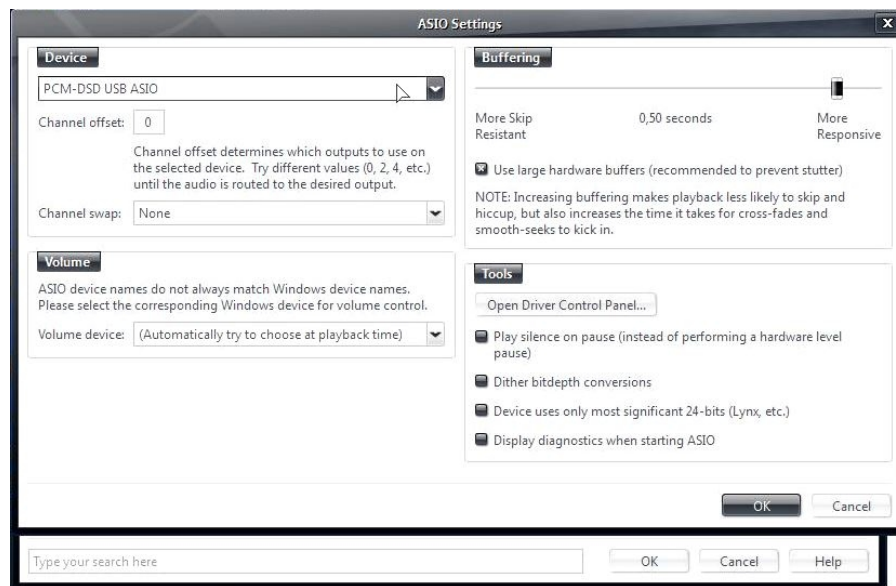
1. *Click on Tools > Options*

2. *To play DSD file you have two possibilities:*
   in Audio Output select Output mode > ASIO
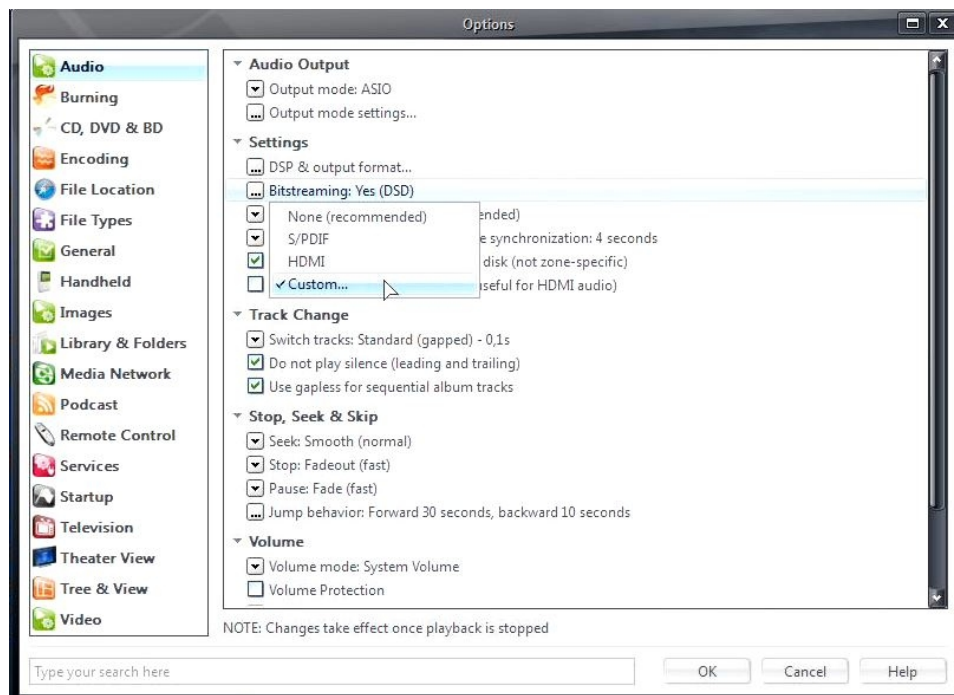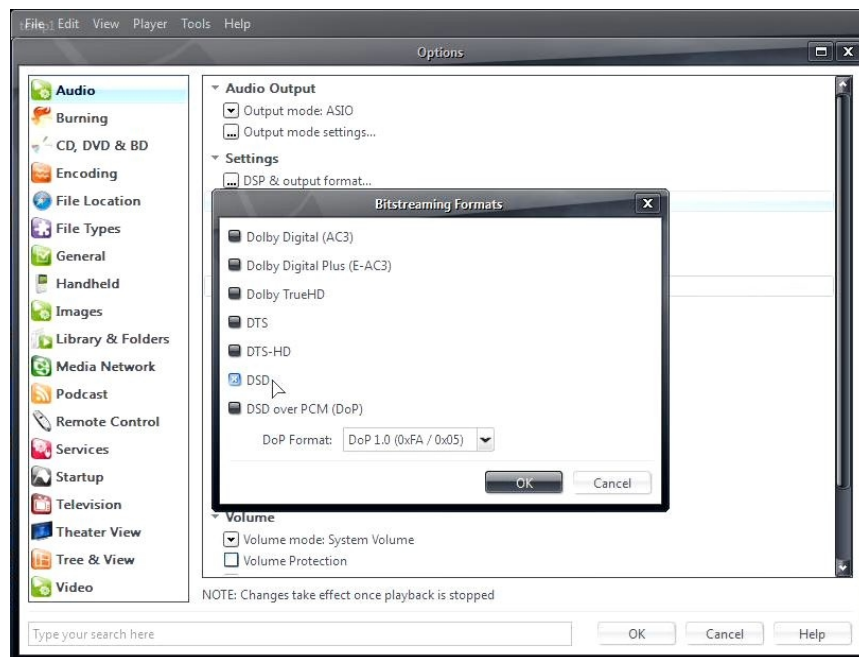   *(ASIO is a trademark and software of Steinberg Media Technologies GmbH)*

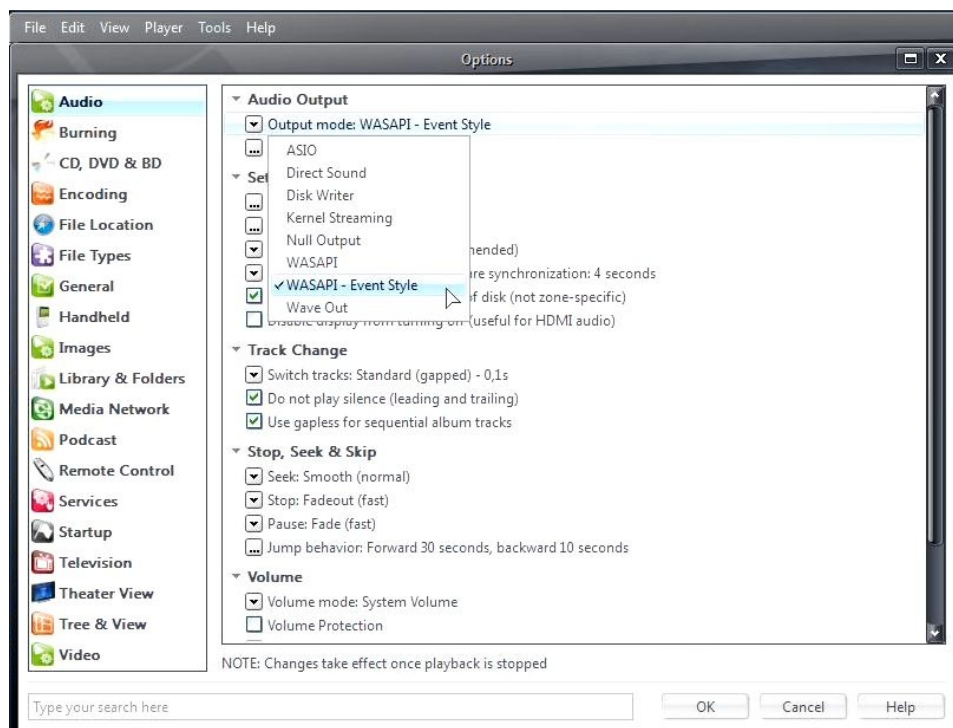## 2.1. In output mode setting verify you have PCM-DSD USB ASIO device

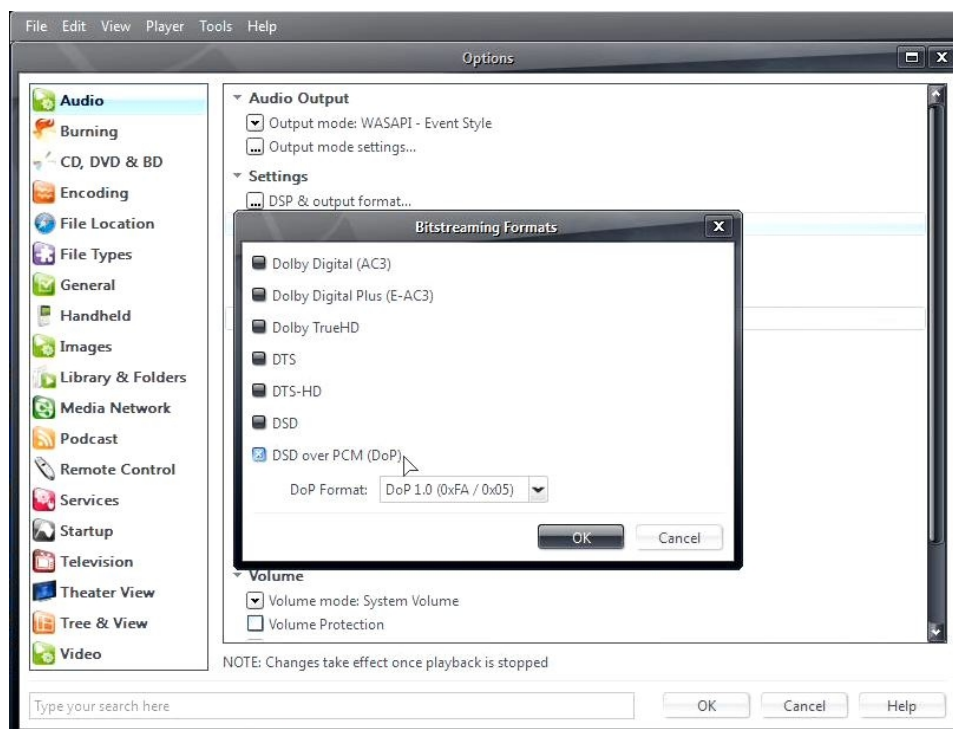### In settings click on Bitstreaming format >Custom

You must select DSD

2.1. *The other possibility is to select Wasapi event style for Vista/Win7/Win8 users or Kernel Streaming for XP ones*
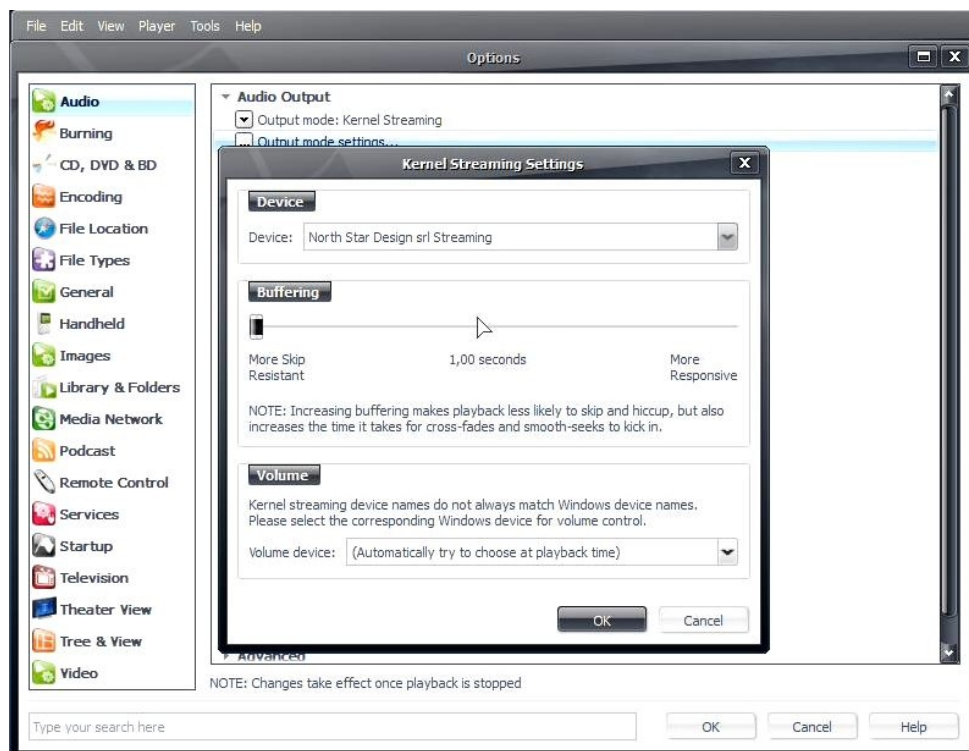
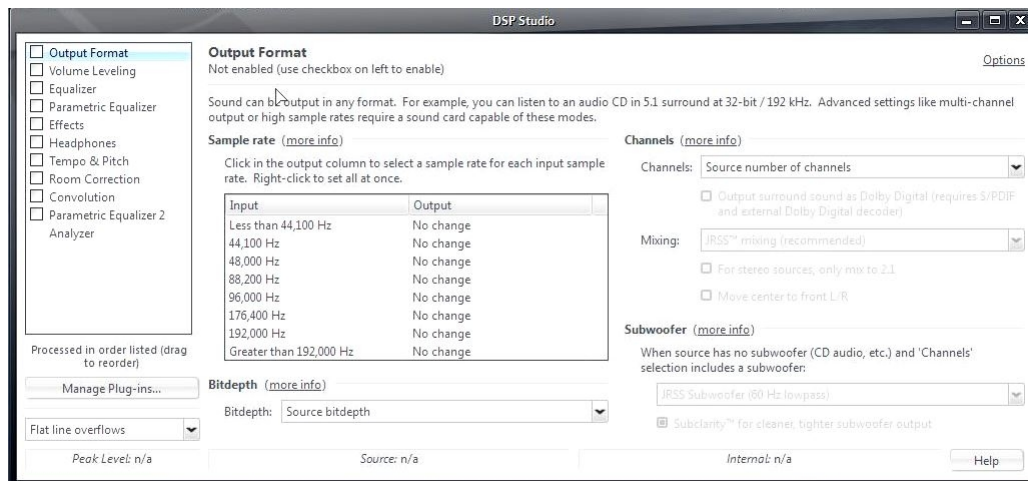*In settings click on Bitstreaming format >Custom and select DSD over PCM*

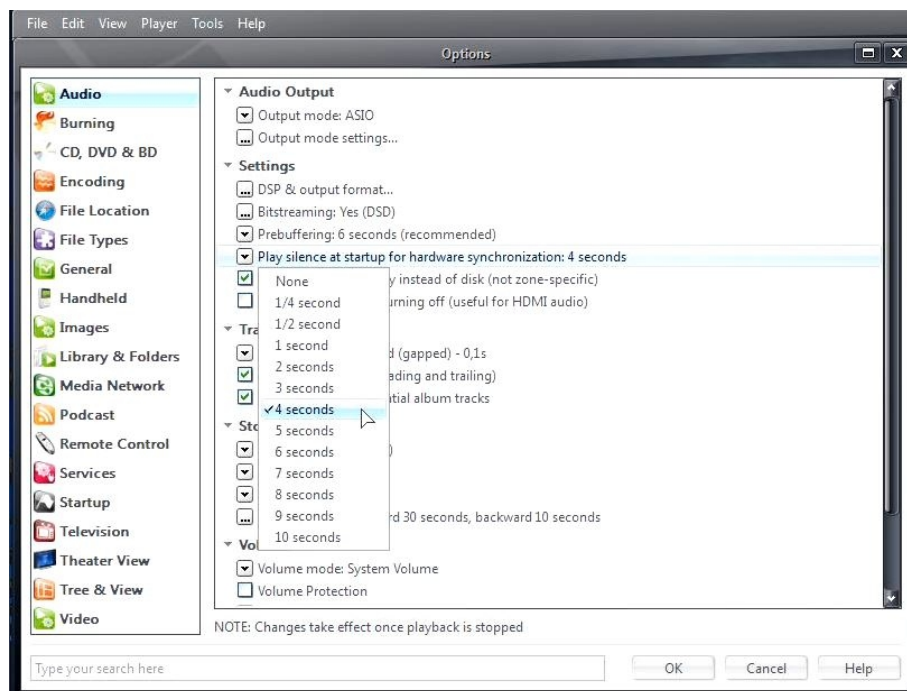*To play PCM files on Vista/Win7/Win8 you can use all Output Mode. For Xp users instead use kernel Streaming.*
When you use Kernel Streaming you will find North Star Design srl streaming as output device.

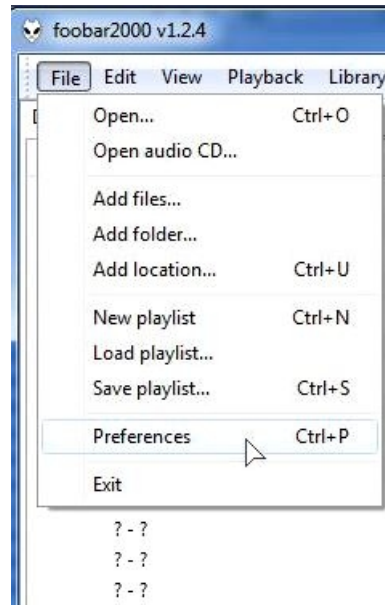*3. Go on DSP&output format and set Output Format in this way:*

4. If you want be sure not to miss the beginning of a track use the option play silence at startup for hardware synchronization and set 4 seconds
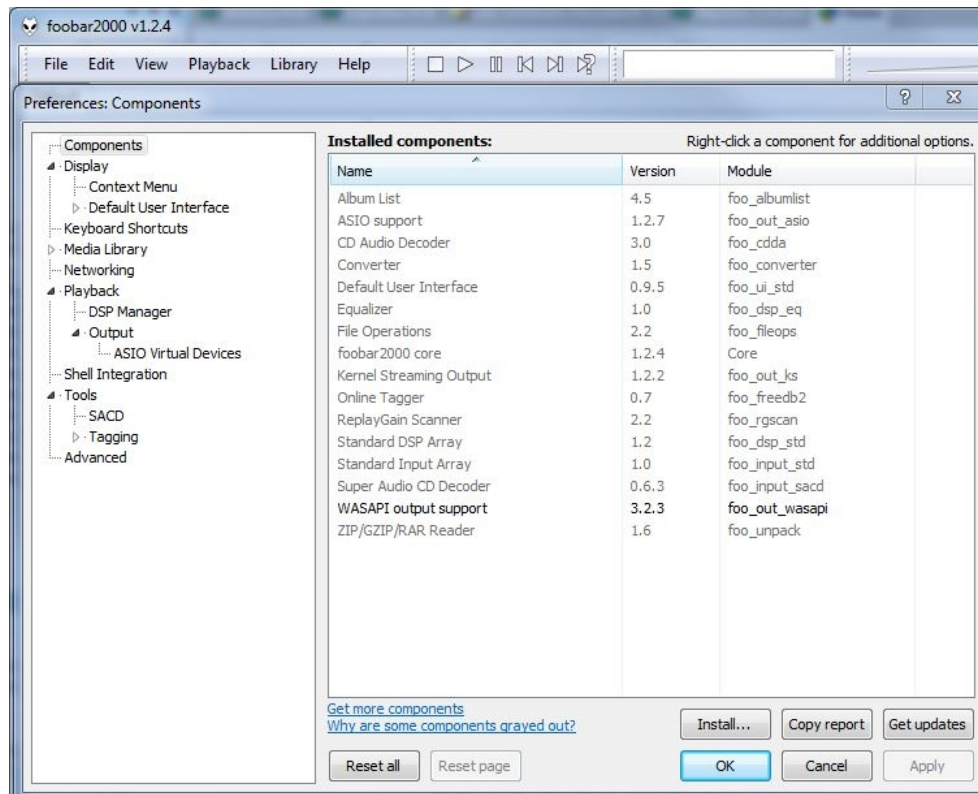
Foobar2000 configuration
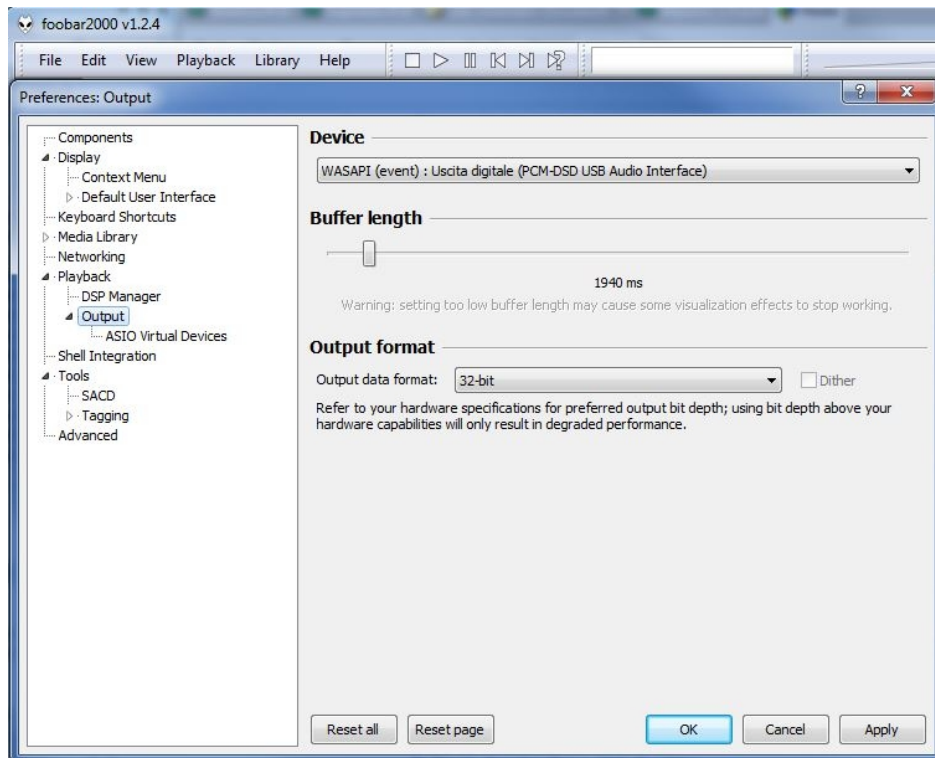
1. Click on File > preferences

2. To play PCM files go on Components and check you have installed Wasapi output support (Vista/Win7/Win8 users) or Kernel Streaming Output (Xp users):
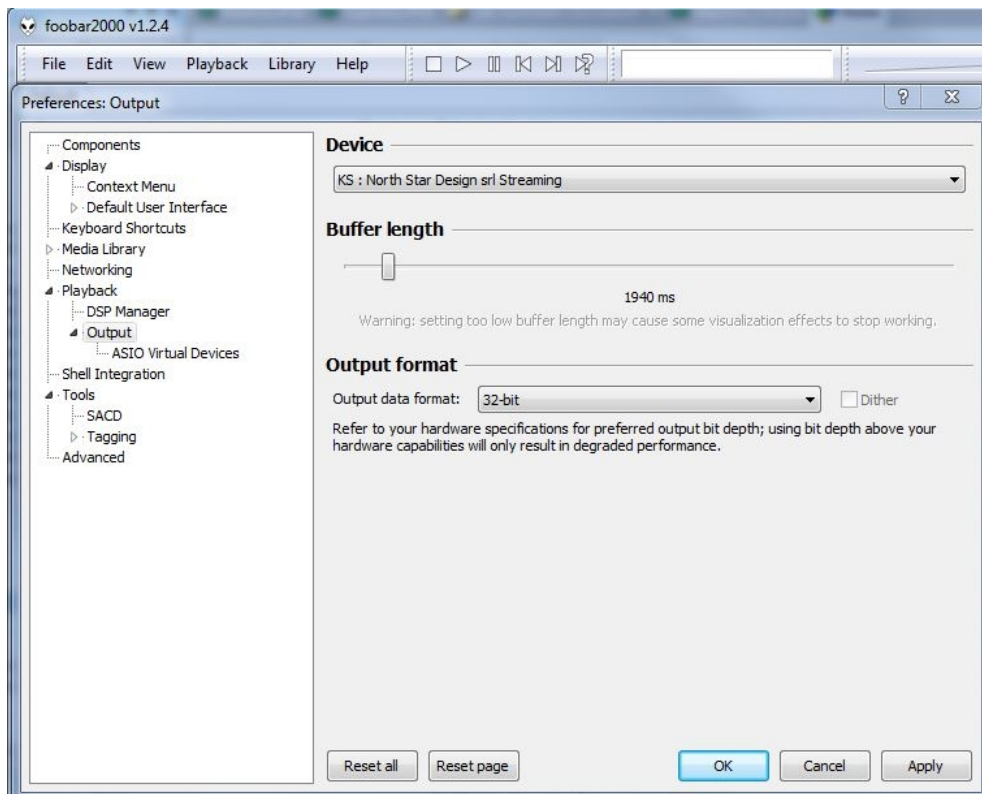
3. Go in output and verify is selected Wasapi(event): PCM-DSD USB Audio Interface
   or KS: North Star Design srl Streaming:

Vista/Win7/Win8 users

Xp users

5. *To play DSD file go on Foobar components website*
   http://www.foobar2000.org/components and search ASIO support 1.2.7 or newer.

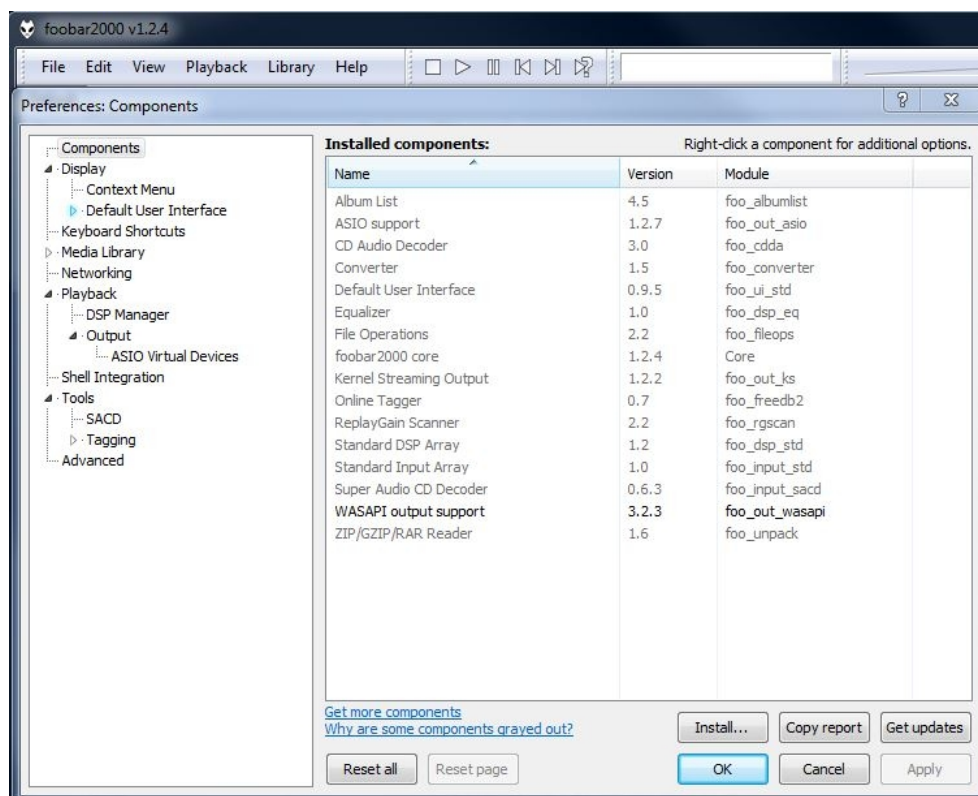   *Download foo_input_sacd-0.6.3.zip or newer from website:*
   http://sourceforge.net/projects/sacddecoder/files/foo_input_sacd/

   Download ASIOProxyInstall-0.6.1.zip or newer from website:
   http://sourceforge.net/projects/sacddecoder/files/foo_dsd_asio/

6. *For Asio support you just open it and foobar ask if you want add it to other*
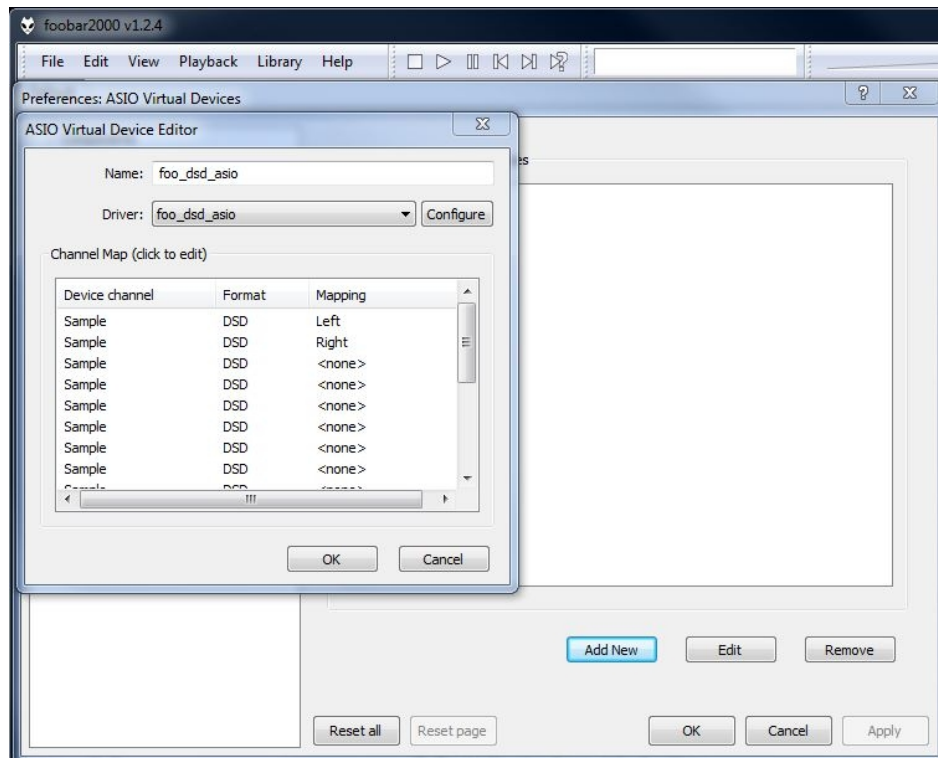   *components.*

   To install foo_input_sacd open .zip file take foo_input_sacd.dll file and just drag it to
   the components window in foobar and click "apply".

   In File > Preferences > Components you will find these new components
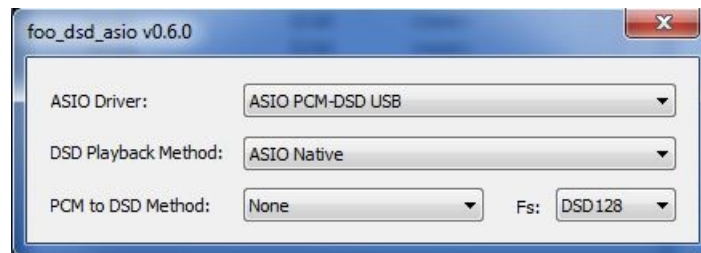

   Then open ASIOProxyInstall-0.6.1.exe in the same Zip file and wait installation
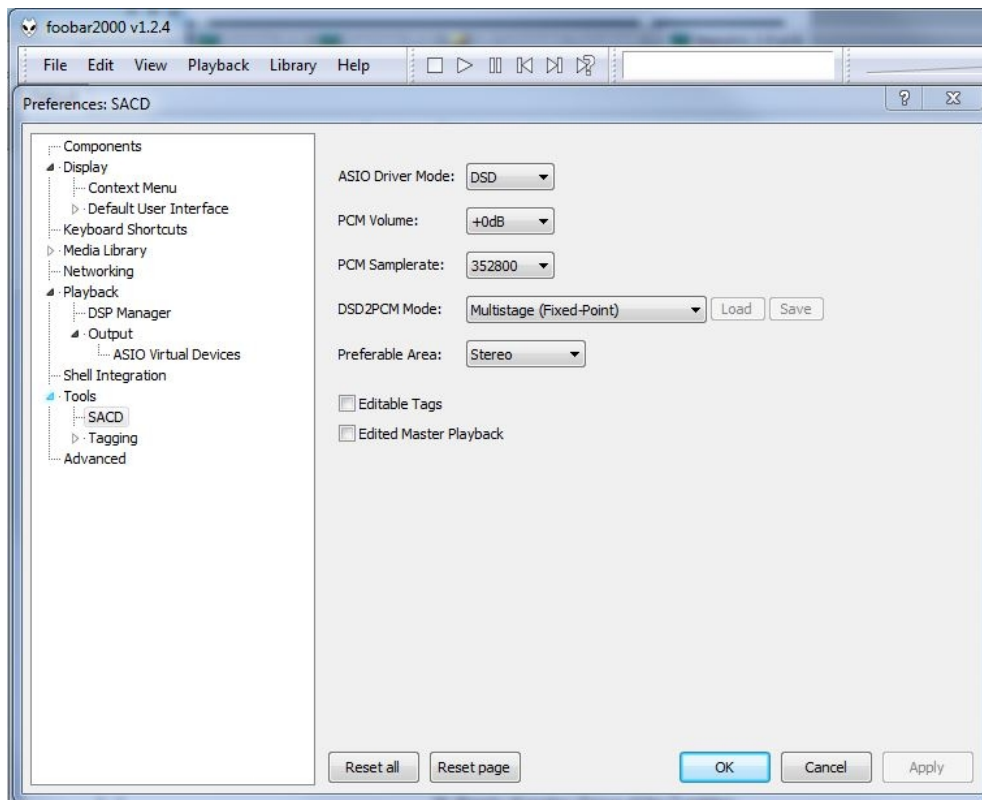   *complete.*

7. *Now under Output you will find ASIO Virtual Devices. Click on Add new > Driver and choose foo_dsd_asio:*

8. *Click on configure and set Asio Driver as ASIO PCM-DSD USB, DSD playback method as ASIO native*

9. Go in Tools > SACD and select DSD in ASIO driver mode

10. In Output choose foo_dsd_asio device