

# Mytek

## Software Setup User Guide

v.3

for

## The Brooklyn DAC

and

## The Manhattan II DAC

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## Introduction

This guide is to provide basic installation and setup instructions with Music Servers supporting DSD, PCM and MQA playback. These configurations are the results of extensive testing and development to provide the best possible user experiences.

A note about DSD audio; DSD in it's common form is DSD64x and this is the native format of SACDs. 64x refers to 64 x CD quality (44.1 khz sampling frequency) with the advent of direct digital playback using the computer and certain hard disk recorders DSD128x is now possible. This format allows for 128 x CD quality and further pushes digital fidelity towards a more accurate natural listening experience. Mytek Brooklyn DAC supports up to 256DSD and 32bit/384kHz PCM playback.

These Music Servers support PCM (.wav, .aif, .mp3, flac, etc) files up to 32 bits at 384 khz and Native DSD64x, DSD128x, DSD256x (.dff, .dsf, .iso) files. Meaning Audio files are played back "Bit Perfect" with no upsampling, downsampling or conversion (unless so desired).

## System Requirements

### Mytek Manhattan II DAC

- 4 GB of RAM or more, Windows 7 or later, no drivers required for OS X and Linux
- USB2 or USB3 port
- The latest Firmware and Drivers from <https://mytekdigital.com/hifi/support/>

### Mytek Brooklyn DAC

- 4 GB of RAM or more, Windows 7 or later, no drivers required for OS X and Linux
- USB2 or USB3 port
- The latest Firmware and Drivers from <https://mytekdigital.com/hifi/support/>

# Windows Setup

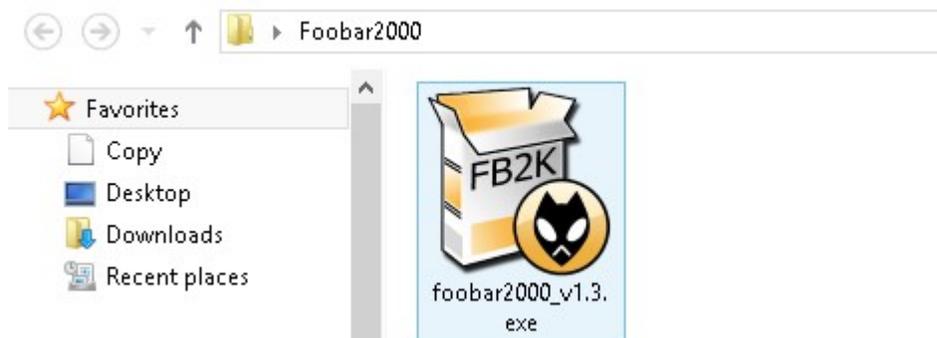
## Foobar2000 Installation



1. Begin by downloading Foobar2000 installer and all the necessary components from the internet

- The latest version of the Foobar2000 installer from:  
<http://www.foobar2000.org/download>
- The latest **Super Audio CD Decoder** „foo\_input\_sacd” component from:  
<https://sourceforge.net/projects/sacddecoder/files/>  
Note! - for native DSD you must install **foo\_input\_sacd-0.8.4.zip** as the latest component versions doesn't support native DSD.  
[https://sourceforge.net/projects/sacddecoder/files/foo\\_input\\_sacd/foo\\_input\\_sacd-0.8.4.zip](https://sourceforge.net/projects/sacddecoder/files/foo_input_sacd/foo_input_sacd-0.8.4.zip)
- The **ASIO support** “foo\_asio 2000” component from:  
[http://www.foobar2000.org/components/view/foo\\_out\\_asio](http://www.foobar2000.org/components/view/foo_out_asio)
- WASAPI foo\_wasapi component from:  
[http://www.foobar2000/components/view/foo\\_out\\_wasapi](http://www.foobar2000/components/view/foo_out_wasapi)

2. Launch the Foobar2000 installer.



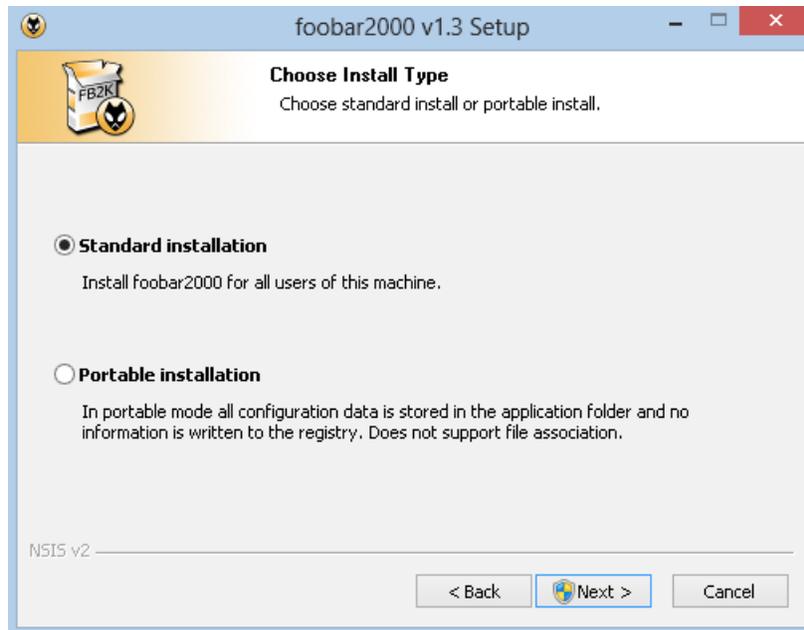
3. Inside the Foobar2000 installer click NEXT when prompted.



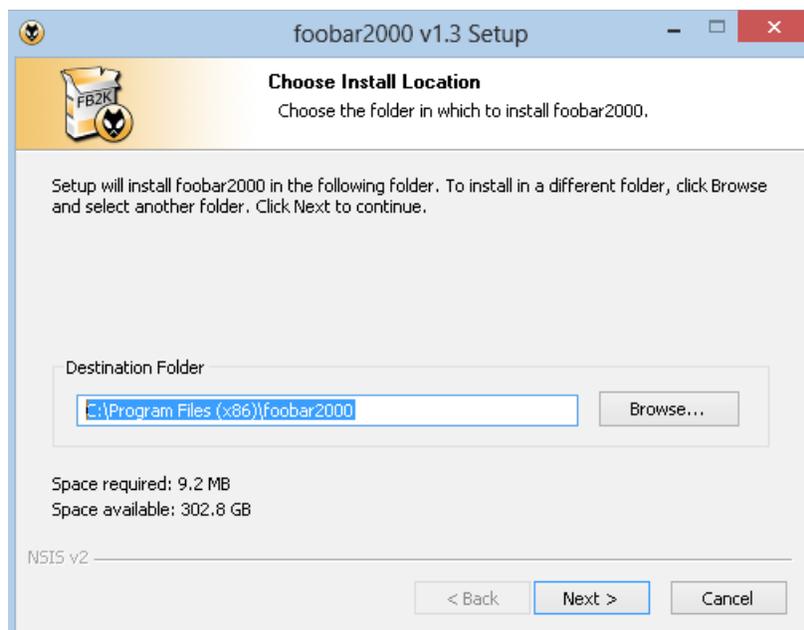
4. Click I agree to accept the License Agreement



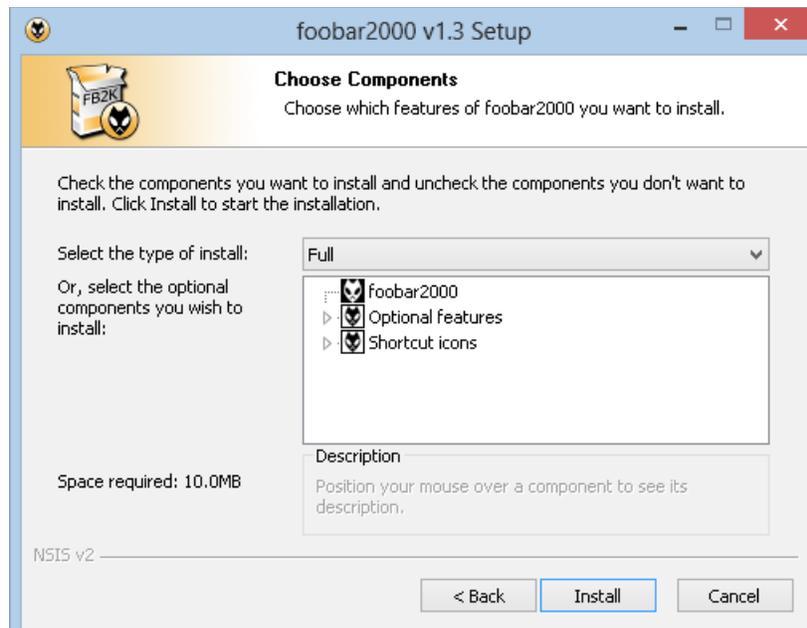
5. Select STANDARD installation and click NEXT



6. Ensure that the install location is C:\Program Files (x86)\foobar2000 and click NEXT



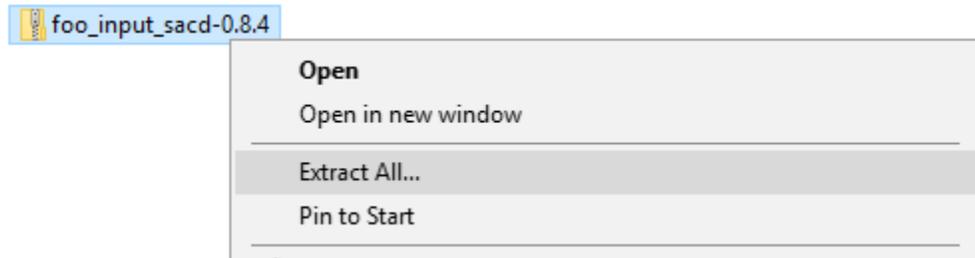
7. Choose FULL under the type of installation.



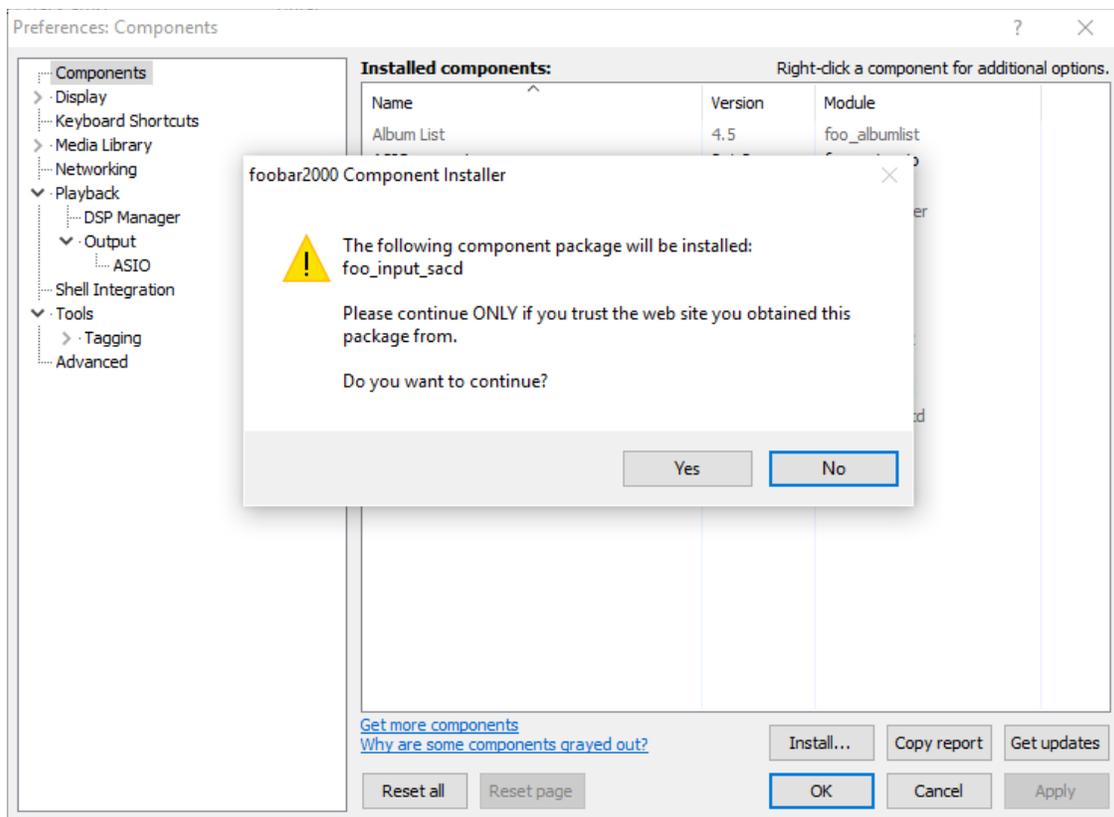
8. When Setup has completed **Uncheck** “Run foobar2000” and click FINISH



9. Locate the Super Audio CD Decoder installer “foo\_input\_sacd-0.8.4.zip”, right click and choose EXTRACT ALL



10. Inside the extracted folder double click “foo\_input\_sacd” component. The Foobar will launch automatically. Confirm the installation by clicking “Yes” and then “Apply”.

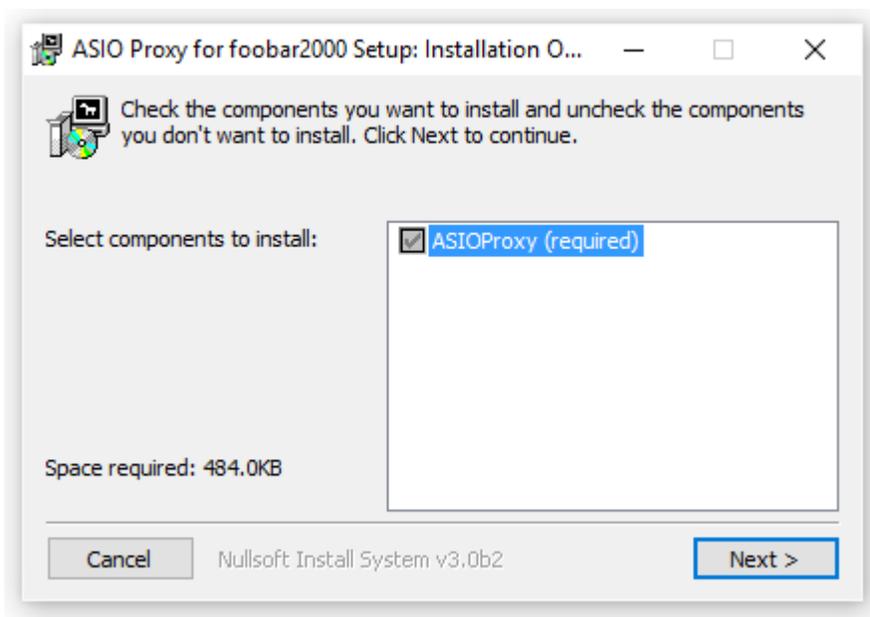


11. Perform the same steps for previously downloaded “foo\_out\_asio” and “WASAPI” components. All additional components are shown in File/Preferences/Components tab if installed properly.

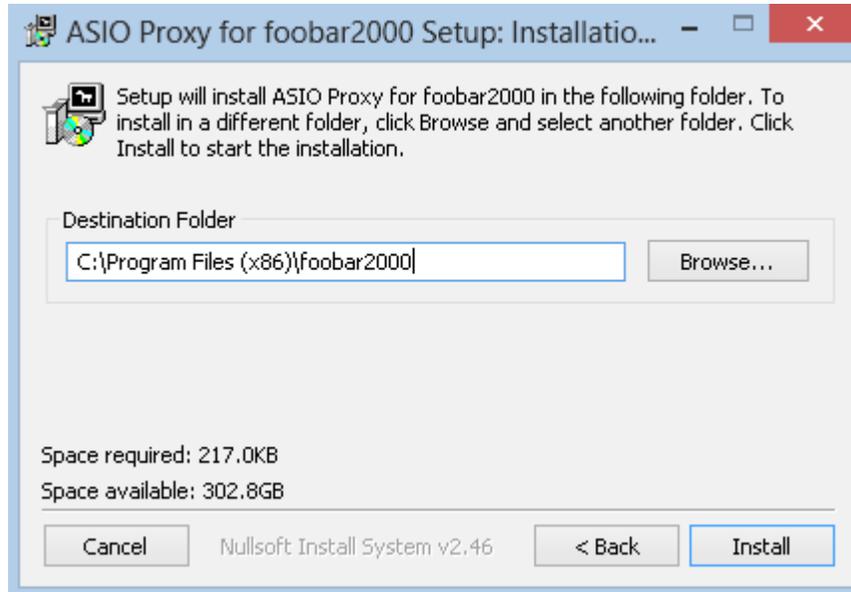
12. Next launch the ASIO Proxy installer located in foo\_input\_sacd-0.8.4 folder.

Name	Date modified	Type	Size
filters	27/06/2016 17:00	File folder	
src	27/06/2016 17:00	File folder	
ASIOProxyInstall-0.8.3	27/06/2016 17:00	Application	278 KB
foo_input_sacd	27/06/2016 17:00	foobar2000 Comp...	1,272 KB
readme	27/06/2016 17:00	Text Document	7 KB

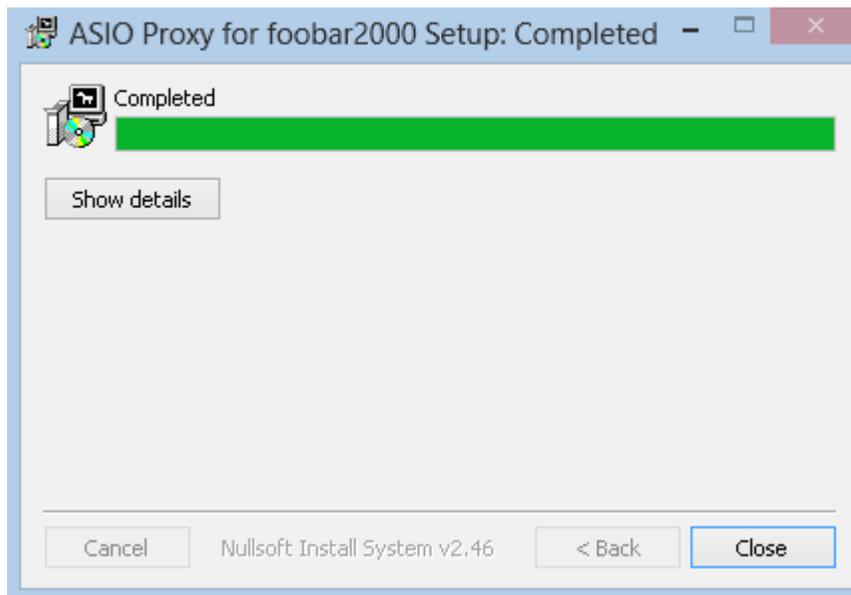
13. Click “Next” to begin installation of ASIO Proxy for Foobar support.



14. Choose the location of foo ASIO install to be the same place foobar is installed (**windows 32:** C:\Program Files\foobar2000, **windows 64:** C:\Program Files (x86)\foobar2000) Click INSTALL



15. Click CLOSE when installation is complete.



# foobar USB ASIO Setup

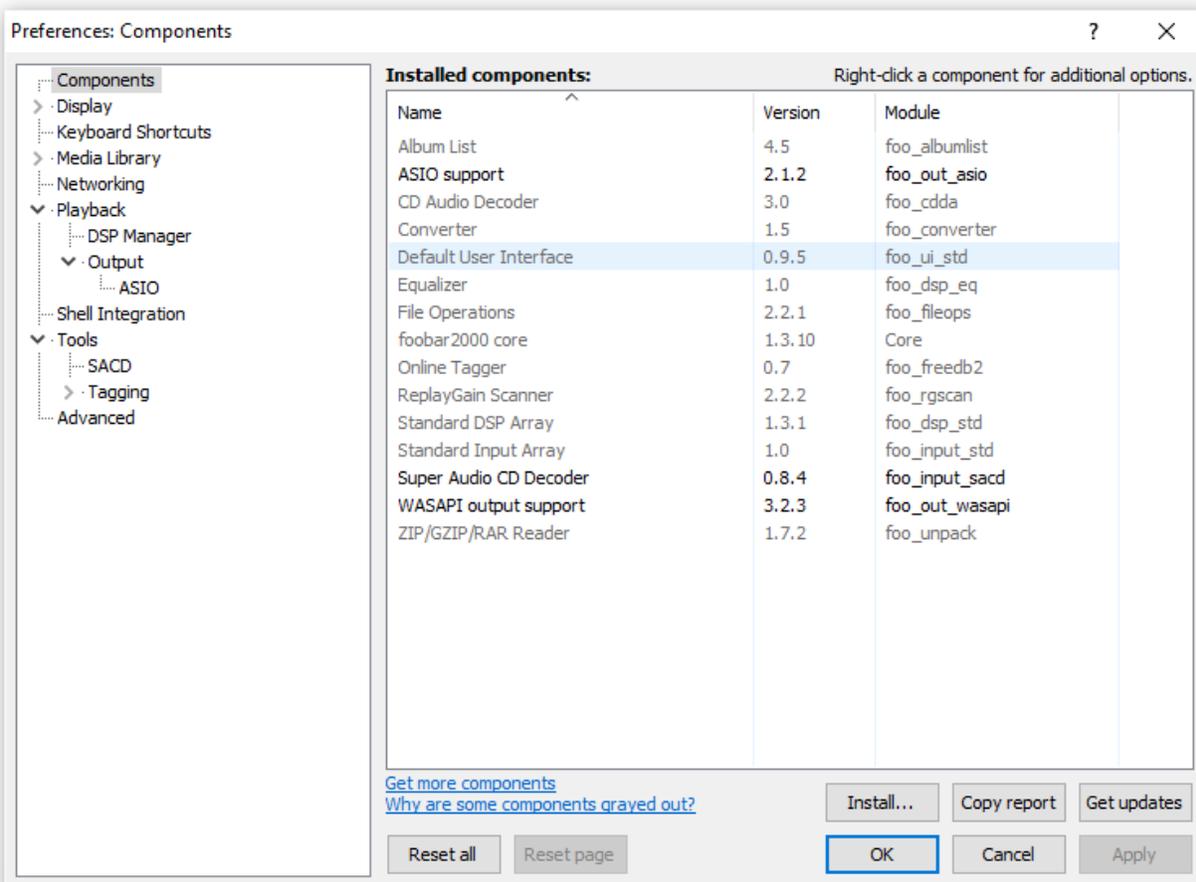
*Native DSD x256, PCM, MQA*

ASIO over USB is the format that supports direct native DSD playback

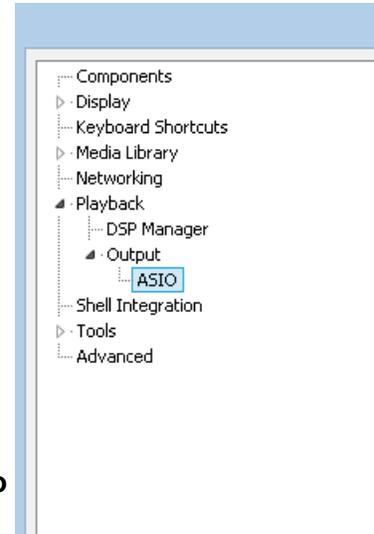
**and this setup is highly recommended.**

**Note! - for native DSD you must install `foo_input_sacd-0.8.4.zip` as the latest component versions doesn't support native DSD.**

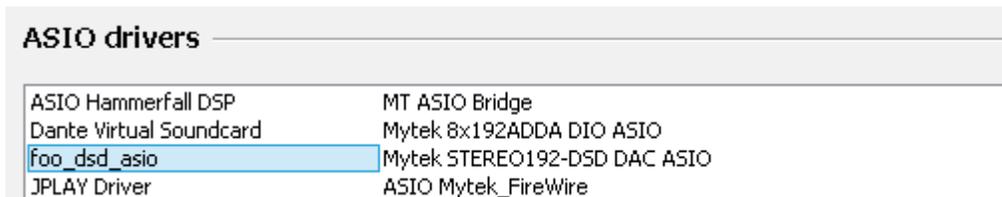
1. Run the Foobar2000 and go to menu File → Preferences



2. Go to Playback → Output → ASIO



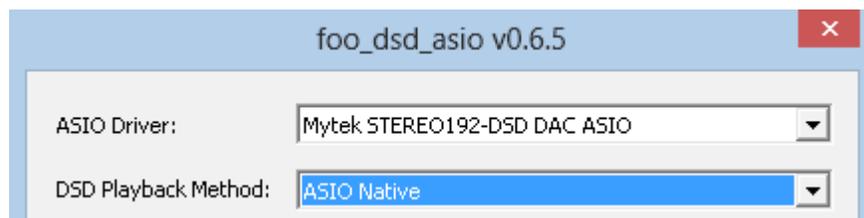
3. Inside the list of ASIO drivers Double Click **foo\_dsd\_asio**



4. A small dialogue will appear (it may not come to the front but should be visible from the task bar). Under ASIO Driver select Mytek Manhattan or Stereo192-DSD DAC ASIO.



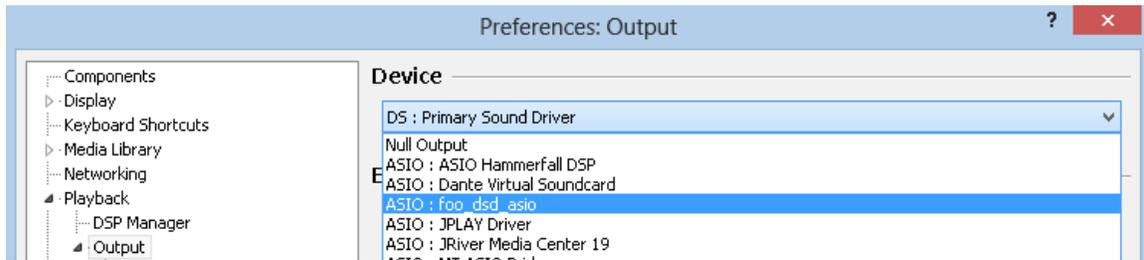
5. Under DSD Playback Method select **ASIO Native**



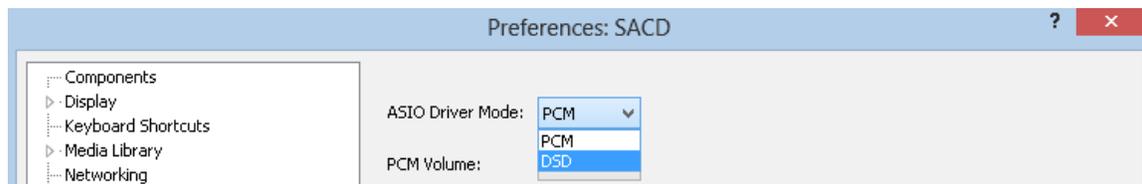
6. Click the **X** to close the window.

7. Go to File → Preferences → Playback → Output

Under Devices choose **ASIO: foo\_dsd\_asio**



8. Goto the Tools → SACD. Under ASIO Driver Mode select **DSD**. Please do not change other settings in Tools> SACD window.



9. Click APPLY then OK

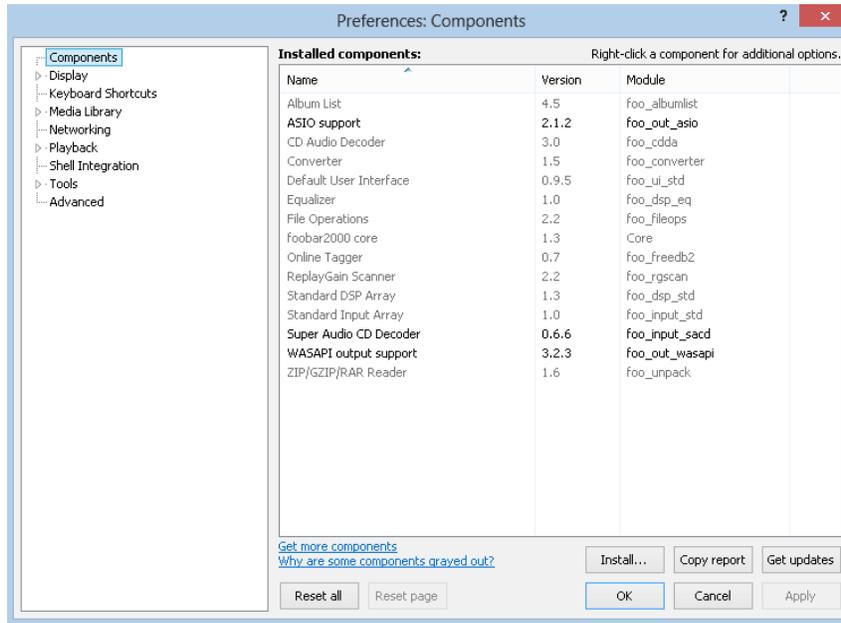


10. Now you are ready to playback DSD files natively with **Foobar2000** and the **Mytek Manhattan DAC II** or the **Mytek Brooklyn DAC**.

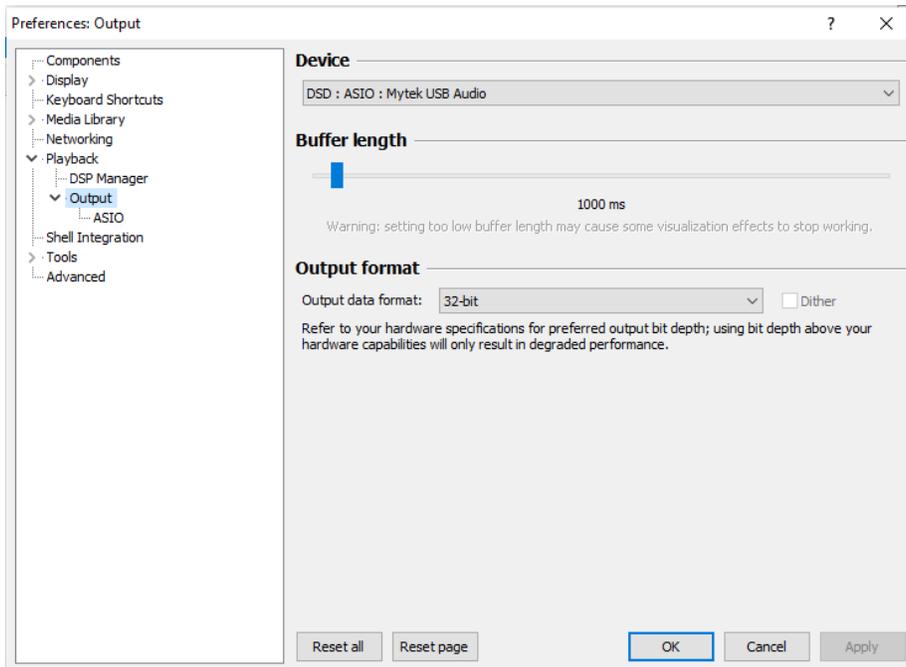
# Foobar2000 USB ASIO Setup (DSD via DoP, PCM, MQA)

PCM, DSD up to 128

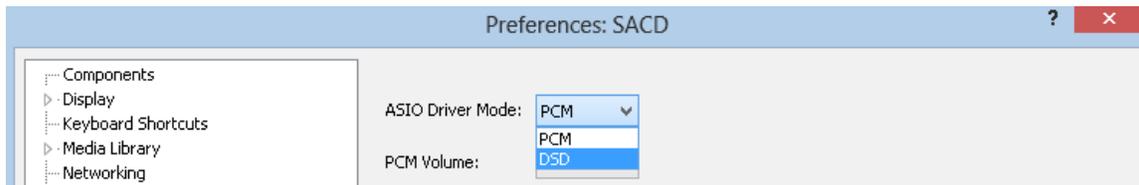
1. Launch Foobar2000 go to File → Preferences. **Note - for this setup version “foo\_input\_sacd-0.9.8” has been used.** To play DSD files natively version “foo\_input\_sacd-0.8.4” must be installed.



2. Go to Playback → Output section and choose DSD:ASIO Mytek USB Audio driver. Select 32-bit in “Output Data Format” section.



3. Go to the Tools → SACD. Under ASIO Driver Mode select **DSD**. Please do not change other settings in Tools → SACD window.



4. Click APPLY and OK.
5. You are now ready to playback DSD (up to x128) files with **foobar2000** using DoP, ASIO and the **Mytek Manhattan II DAC** or the **Mytek Brooklyn DAC**.

# JRiver Media Center Installation

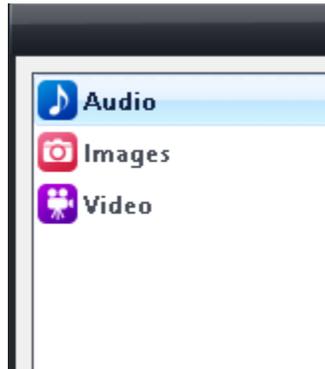
## JRiver Wasapi Setup with DoP DSD

*PCM, MQA, DSD up to x128*

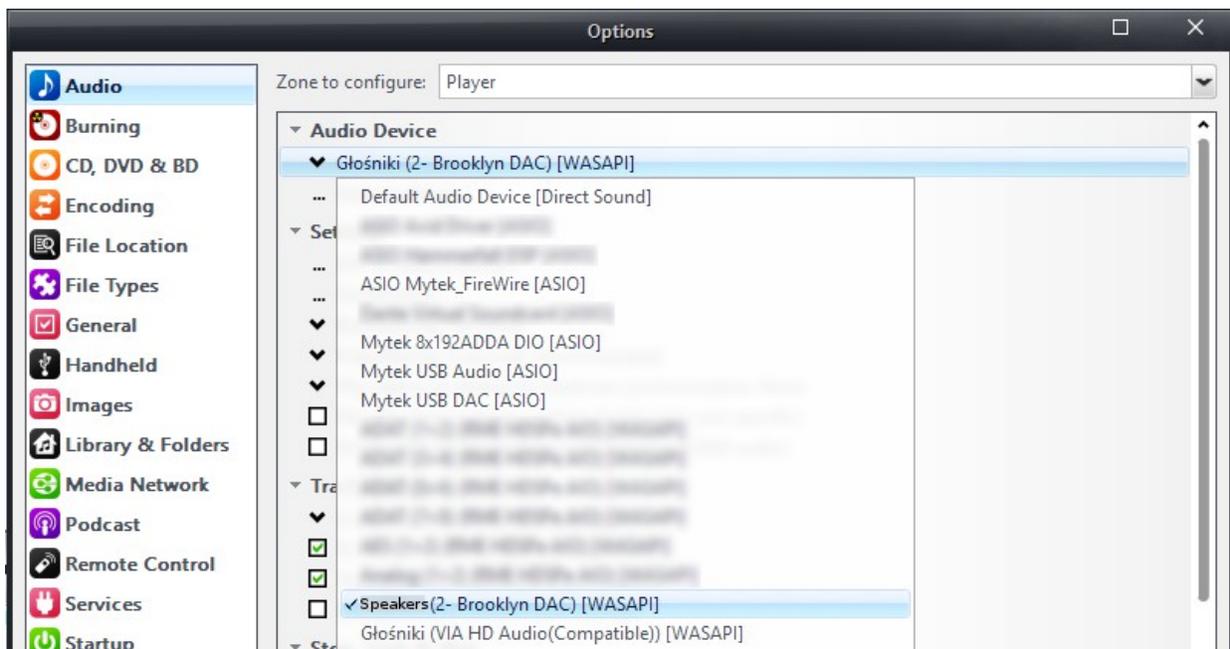
1. Install the latest version of JRiver Media Center <http://www.jriver.com/download.html> and ensure that the Mytek Manhattan II or The Brooklyn DAC is connected to your computer with its INPUT set to USB2.
2. Inside JRiver Media Center Locate and CLICK the **Player** Tab and select **PLAYBACK OPTIONS** at the top of the screen.



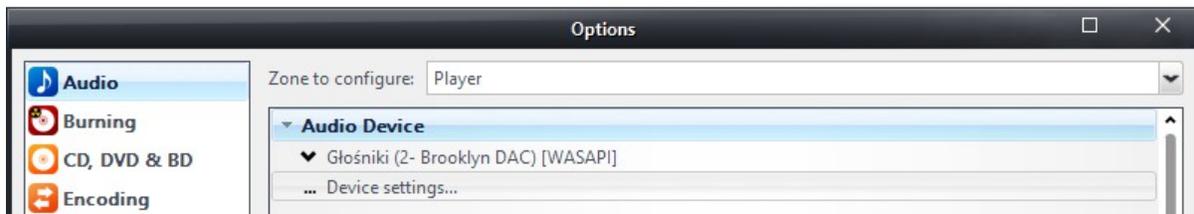
3. CLICK the **AUDIO** Tab



4. Under **Audio Device** choose “Speakers (2-Brooklyn DAC) [WASAPI]”



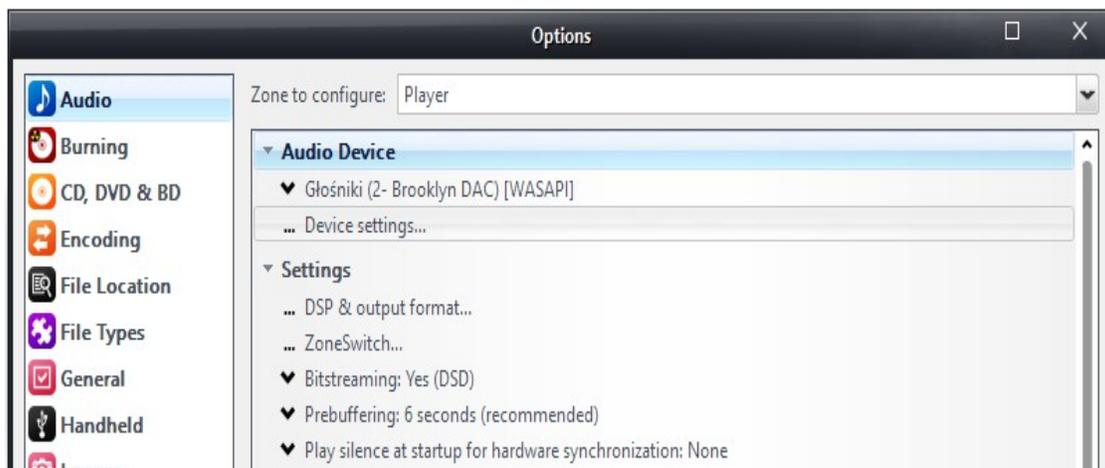
## 5. Staying inside the **Audio Tab** CLICK **Device Settings**



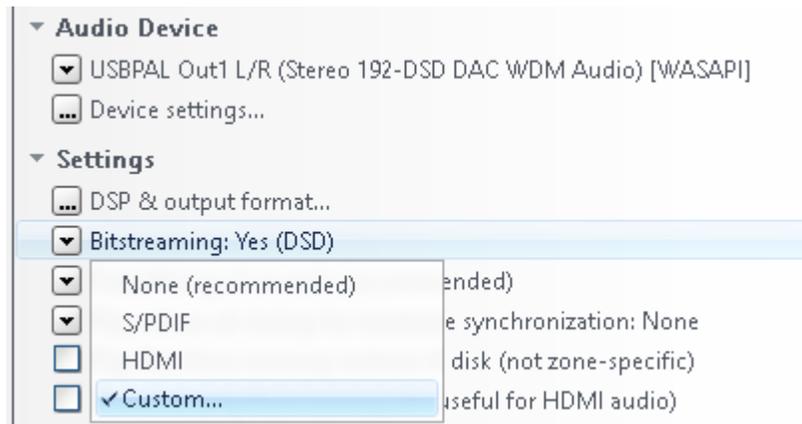
6. Inside the **Device Settings** Dialog box select **(V)** box: “**Open device for exclusive access**”. Click OK, to accept the changes.



## 7. Staying inside the **Audio Tab** CLICK **Settings**



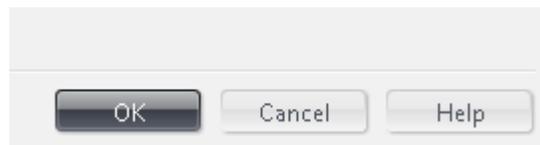
8. Under **Settings** CLICK the **Bitstreaming** box and select **Custom...**



9. Inside the **Bitstreaming Formats** dialog, put an "X" inside the **DSD** box only



10. CLICK **OK** inside the **Bitstreaming Formats** dialog and **OK** in the **Options** dialog



11. You are now configured to stream DSD files directly to the Mytek Manhattan II DAC or The Brooklyn DAC.

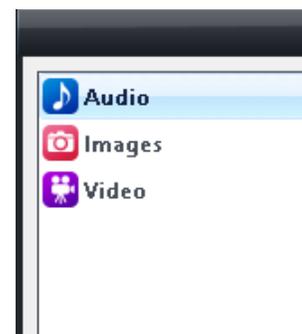
# JRiver USB2.0 ASIO Setup with Native DSD

*PCM, MQA, DSD up to 256; **this setup is strongly recommended***

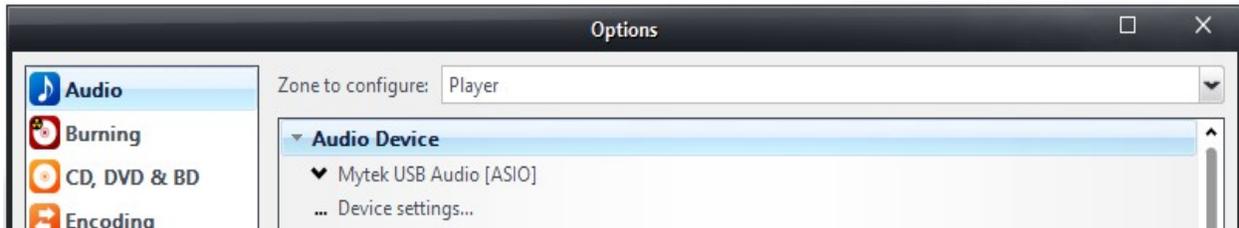
1. Install the latest version of JRiver Media Center <http://www.jriver.com/download.html> and ensure that the Mytek Manhattan II DAC or The Brooklyn DAC is connected to your computer with its INPUT set to USB2.
2. Inside JRiver Media Center Locate and CLICK the **Player** tab and select **PLAYBACK OPTIONS** at the top of the screen.



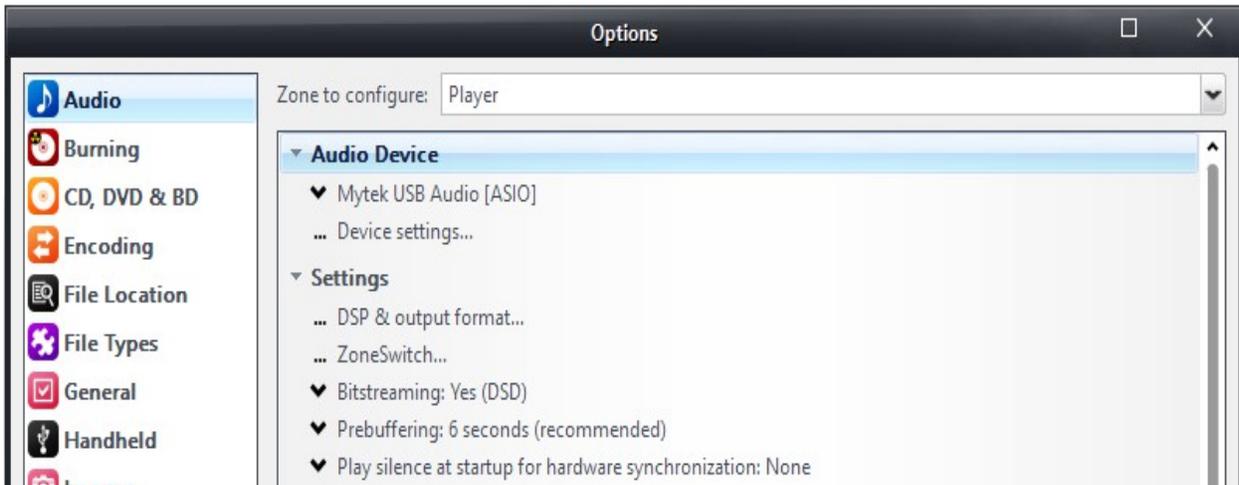
3. CLICK the **AUDIO** Tab



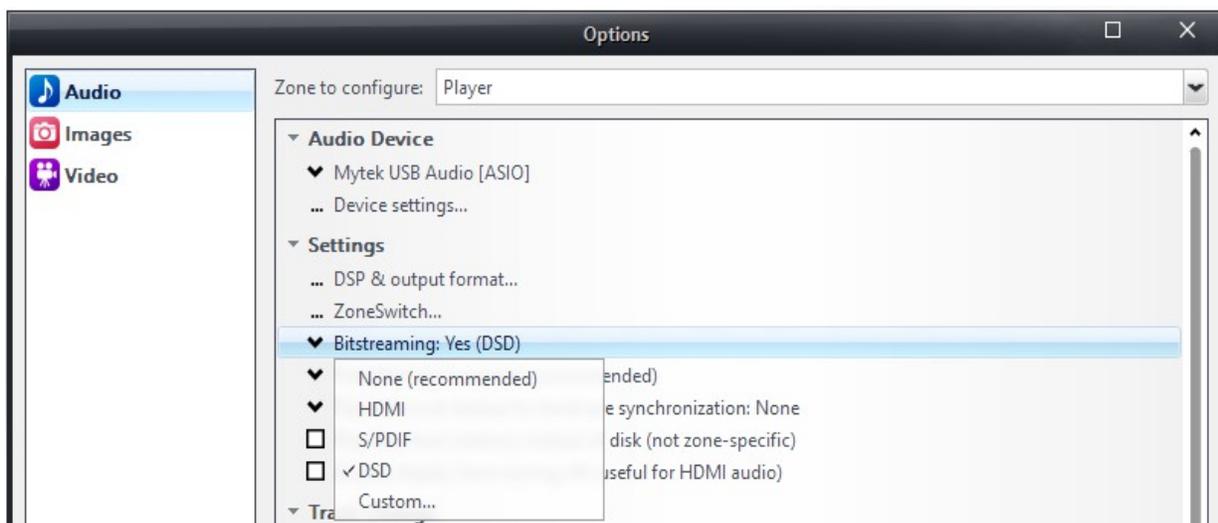
4. Under **Audio Device** choose “Mytek USB Audio [ASIO]”



5. Staying inside the **Audio Tab** CLICK **Settings**



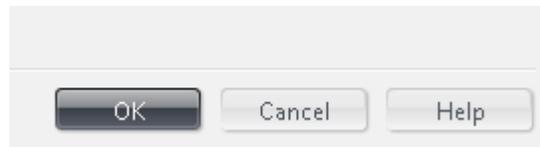
6. Under **Settings** CLICK the **Bitstreaming** box and select **Custom...**



7. Inside the **Bitstreaming Formats** dialog, put an “X” inside the **DSD** box only. Click OK.



8. CLICK **OK** inside the **Bitstreaming Formats** dialog and **OK** in the **Options** dialog



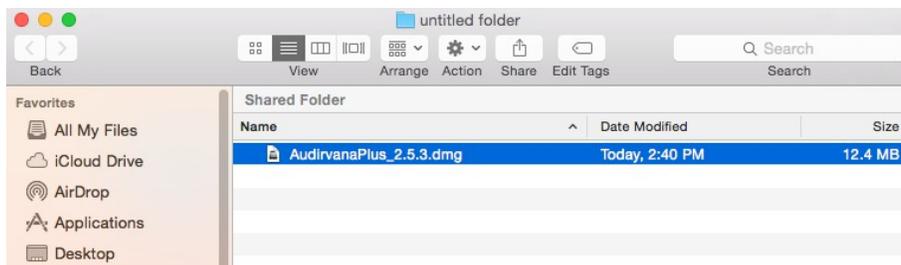
9. You are now configured to stream DSD files (up to x256) natively to the **Manhattan II DAC** or the **Brooklyn DAC**.

# OS X Setup

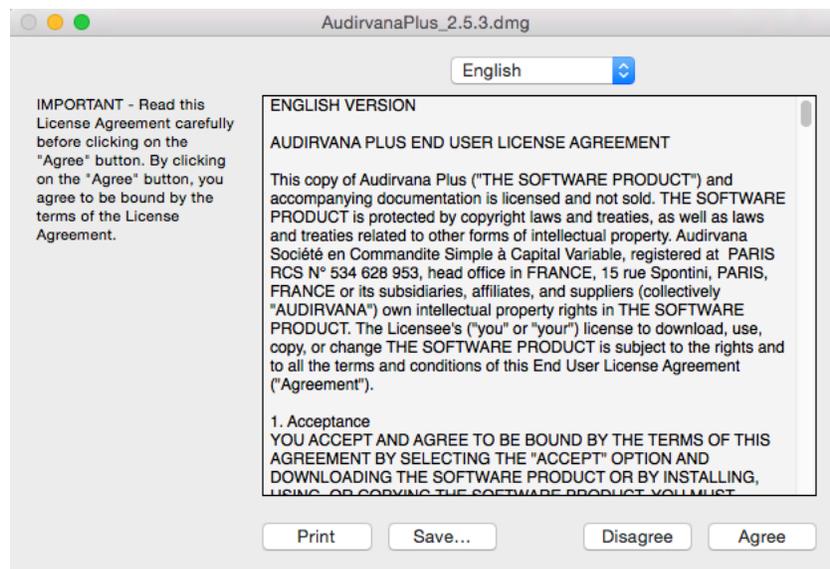
## Audirvana USB (Core Audio) Setup with DoP DSD

*PCM, MQA, DSD up to x128*

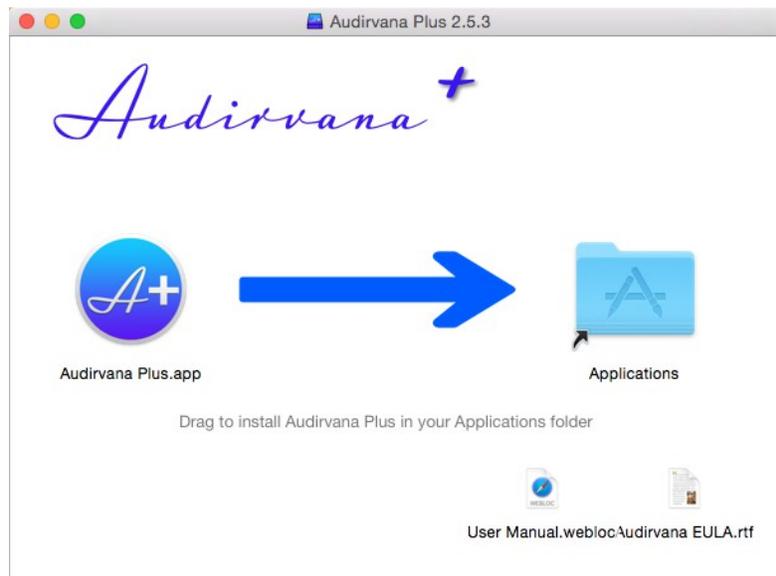
1. Ensure you have downloaded the latest version of **Audirvana Plus** by visiting [https://audirvana.com/?page\\_id=3397](https://audirvana.com/?page_id=3397)
2. Locate and DOUBLE CLICK the **Audirvana Plus .DMG** (disk image) file, this will extract the Audirvana Application. Typically the .dmg will be found in the Downloads Folder under your user name.



3. CLICK **Agree** to Accept the **Audirvana Plus License Agreement**



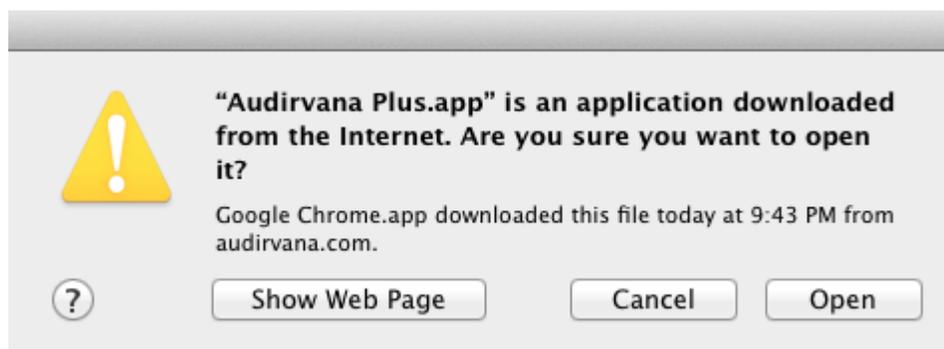
4. Follow the directions within the window by **Dragging the Audirvana Plus to the Applications Folder**



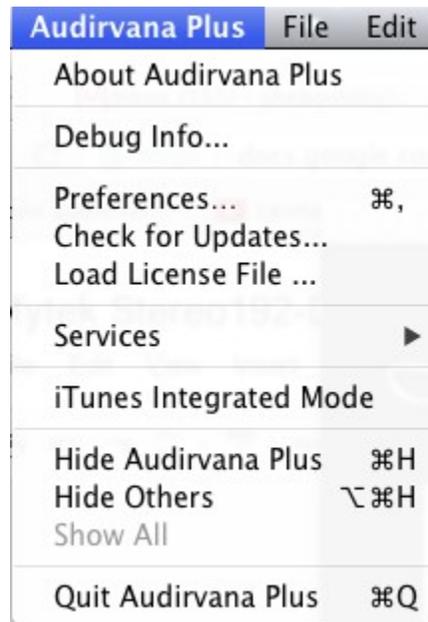
5. Goto the Applications Folder and Double CLICK the **Audirvana Plus** application



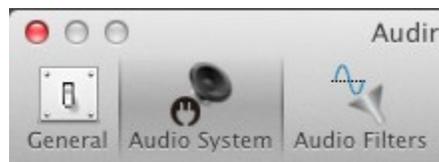
6. If a Warning window appears CLICK **Open**



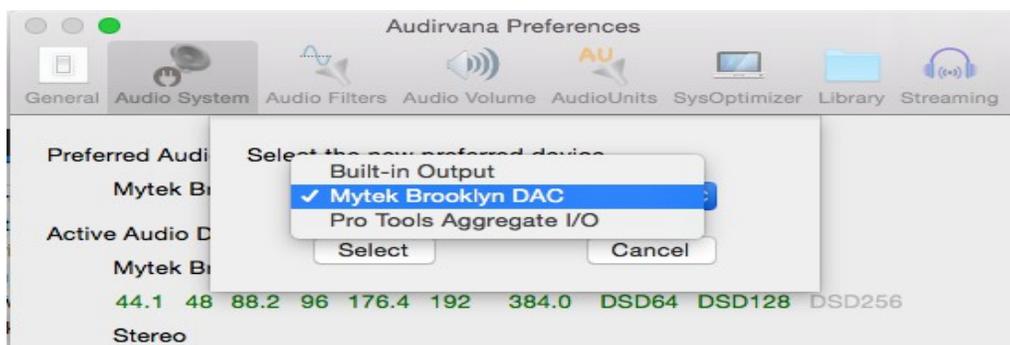
7. Inside **Audirvana Plus** Menu Bar open **Preferences**. Audirvana Plus > **Preferences**



8. Inside the **Audirvana Preferences** CLICK **Audio System**



9. Change the Preferred Audio Device to **Mytek Manhattan II DAC** or **Mytek Brooklyn DAC**



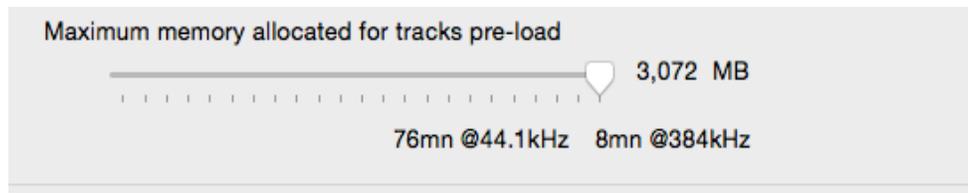
10. Under **Active Audio Device** Change **Native DSD Capability** to “Automatic Detection”



11. Under **Low Level Playback Options** Enable **Exclusive Access mode** and **Integer Mode**



12. Under “**Maximum memory allocated for tracks pre-load**” set to **2048** or higher



13. Close **Audirvana Preferences** and begin playing **DSD, MQA** or other high resolution files directly from the computer!

## **A note About Pure Music and Audirvana iTunes Integration**

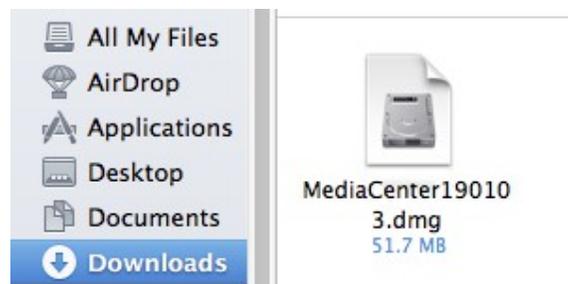
Programs that “piggyback” on iTunes must create “proxy” files or “bookmarks” to represent file types not directly supported in iTunes i.e. FLAC and DSD. These Files created are not audio files themselves merely shortcuts for the Music Servers to reference.

# JRiver Media Center Installation

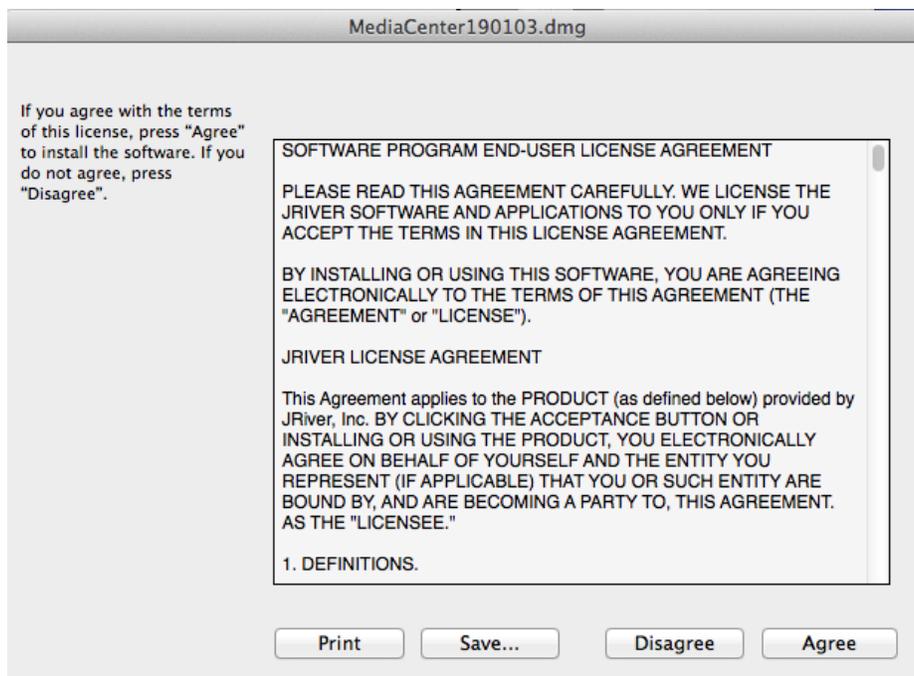
## USB2.0 (Core Audio) Setup with DoP DSD

*PCM, MQA, DSD up to x128*

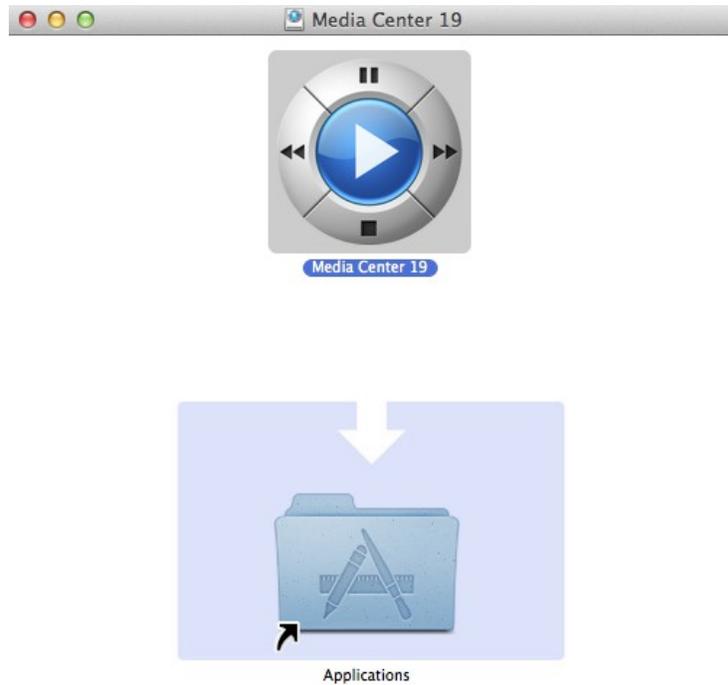
1. Ensure the **Mytek Manhattan II DAC / Mytek Brooklyn DAC** input is set to **USB2.0** and you have downloaded the latest version of **JRiver Media Center** by visiting <http://www.jriver.com/download.html>
2. Locate and DOUBLE CLICK the **MediaCenter.DMG** (disk image) file, this will extract the JRiver Media Center Application. Typically the .dmg will be found in the Downloads Folder under your user name.



3. CLICK **Agree** to Accept the **JRiver Media Center License Agreement**



4. Follow the directions within the window by **Dragging the Media Center to the Applications Folder**



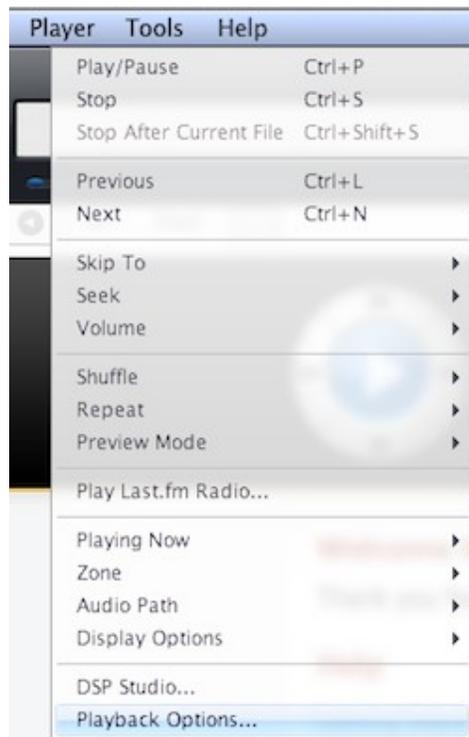
5. Go to the Applications Folder and Double CLICK the **Media Center** application



6. If a Warning window appears CLICK **Open**



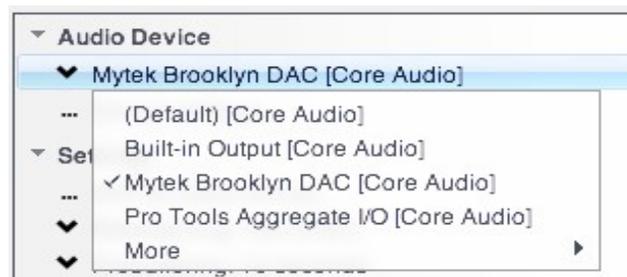
7. Inside **JRiver** Locate and CLICK the **Player** tab and select **PLAYBACK OPTIONS** at the top of the screen.



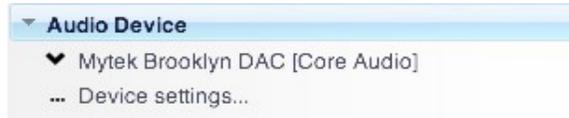
8. CLICK the **AUDIO** Tab



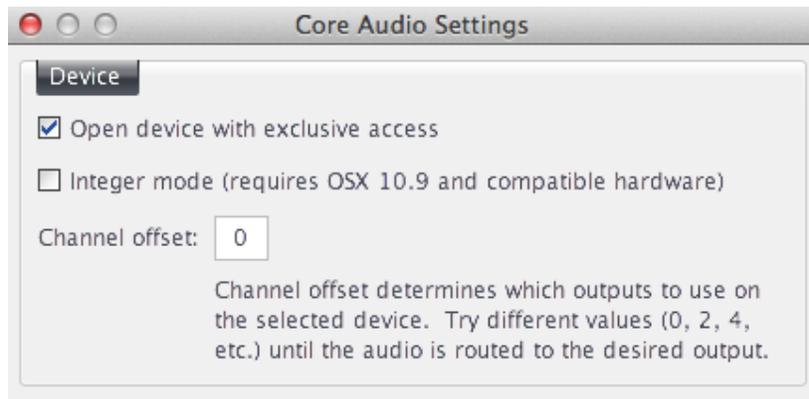
9. Under **Audio Device** choose **Mytek Manhattan II DAC** or **Mytek Brooklyn DAC [Core Audio]**



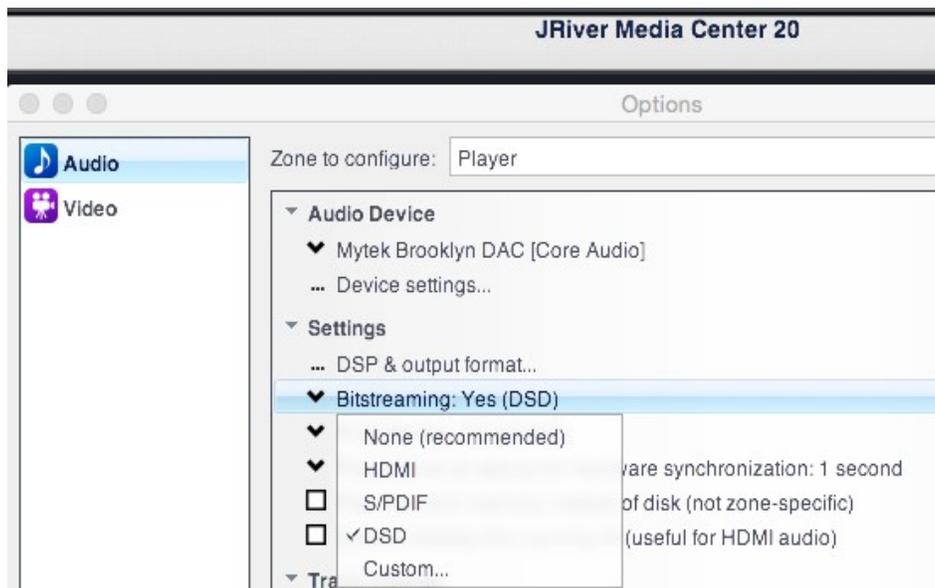
10. Staying inside **Audio Tab** under **Audio Device** CLICK **Device settings**



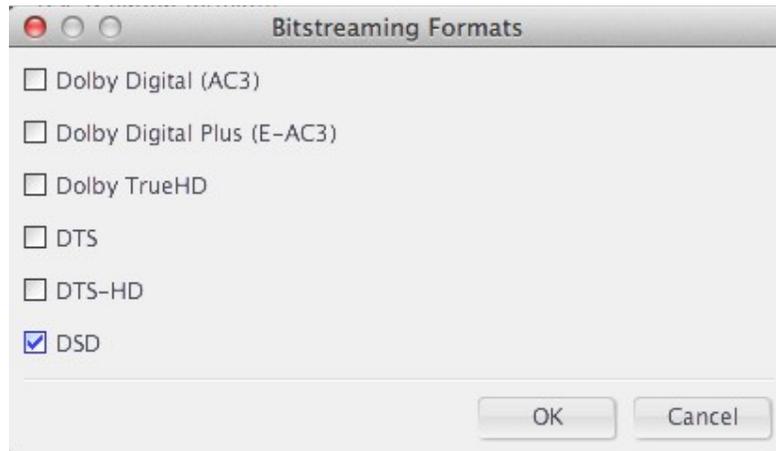
11. Inside the **Device settings** Dialog box under **Device** “X” box: “Open device with exclusive access” and click **OK**.



12. Under **Audio Tab** SELECT **Settings** Tab and CLICK **Bitstreaming** settings. SELECT **Custom...**



13. Inside the **Bitstreaming Formats dialog**, put an “X” inside the **DSD** box.



14. CLICK **OK** inside the **Bitstreaming Formats** dialog and **OK** in the **Options** dialog.

15. Close **JRiver** Playback Options and begin playing **DSD** and high resolution files directly from the computer!

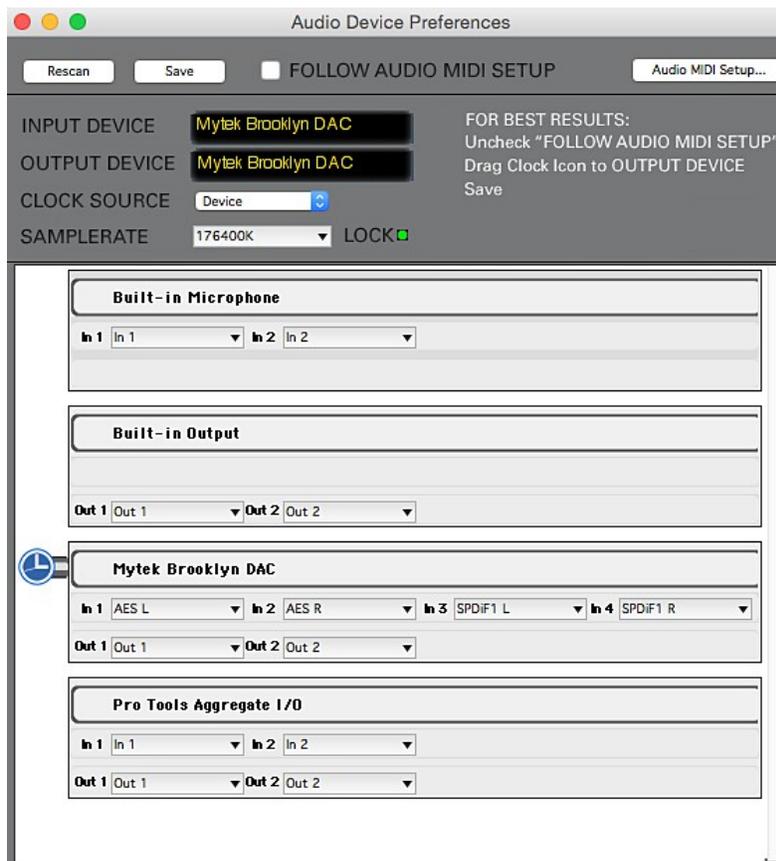
# Amarra Configuration

*PCM, MQA, DSD (64 & 128) converted to PCM*

1. To choose the Manhattan II / Brooklyn DAC as default playback device, go to Amarra's Audio Device Preferences Window. Click the "I" button on the Amarra User Interface to display the "Audio Device Preferences" window.



2. Drag the clock icon in the left column to your Mytek device to direct playback to that device. You may have to press the Rescan button at the top of the window for the change to take effect. "Follow Audio Midi Setup" should be unticked.



3. It is not possible to play DSD files natively in Amarra. It always converts DSD to PCM. To play DSD files (converted to PCM) Amarra must run in "Playlist Mode". The Amarra doesn't support DSD256.

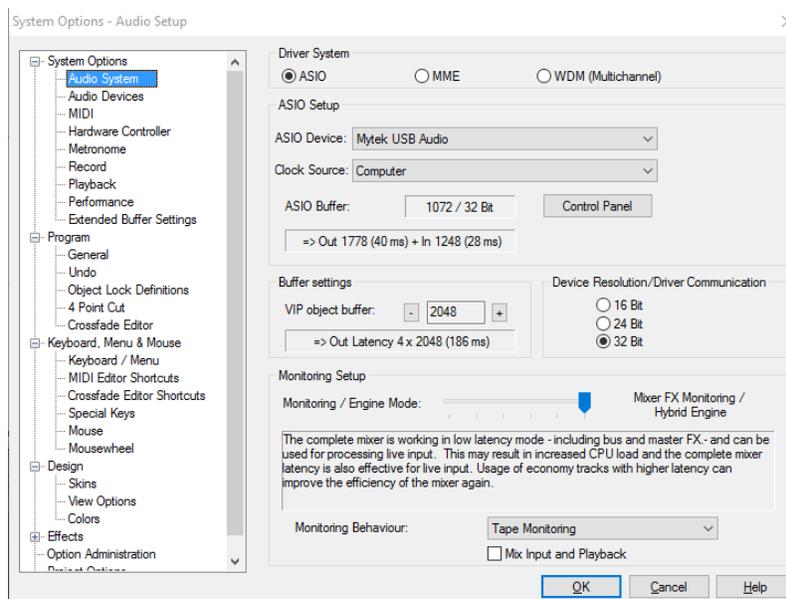
# DAW Configuration

## Magix Samplitude / Sequoia

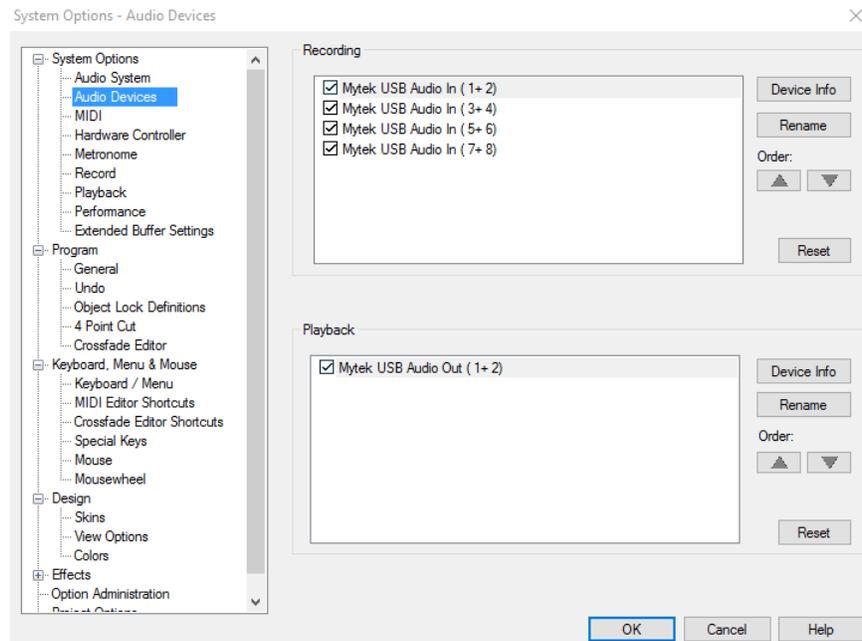
*DAW configuration*

The DAC is capable to record all digital channels (AES/EBU, SPDIF 1&2, Toslink) into your computer at the same time. In other words your Mytek DAC can be used as typical multichannel audio interface. All digital inputs and main analog (XLR/RCA) outputs are available in Samplitude / Sequoia simultaneously.

1. In Samplitude / Sequoia open File>Program Preferences>Audio System tab or simply press “Y” key on keyboard.
2. Set “ASIO Device” to “Mytek USB Audio”



3. Next open Audio Devices tab and activate all available inputs and outputs.



4. Now all physical inputs and outputs are available on each audio track.