NuForce 192kHz/24bit USB Driver Setup Guide

Install Driver & Software:

After downloading the driver, run the Installation program. After the installation, an icon linking to the **NuForce Stereo Audio Control Panel** program will appear on your desktop. For now move on to the Connect Hardware step, as detailed information regarding software adjustment will follow.

Connect Hardware:

Once the software has been installed, connect a digital coaxial or optical cable from the output of the U192S to the input of your chosen DAC. Plug the provided USB cable between the computer's USB port and the U192S. After the cable is connected, a window will pop up at the lower-right side of the display that reads:

NuForce Async USB Audio 192K HS installed

A white LED – **44.1k** – will indicate power-on status.

Select Playback:

Right click on speaker icon at the bottom right and select **Playback Devices**. Choose **SPDIF OUT** and close window.

Adjust Software (Windows 7 Setup):

Direct Sound (DS) is the default Windows audio mode and it operates with the Windows Mixer enabled. This means other sound prompts (such as email notifications, etc) will be mixed into the music output. A single sample rate must therefore be used as the common denominator. For music playback in Windows 7, **WASAPI** mode (**W**indows **A**udio **S**ession **API**) is the preferred and purest mode. (See WASAPI section)

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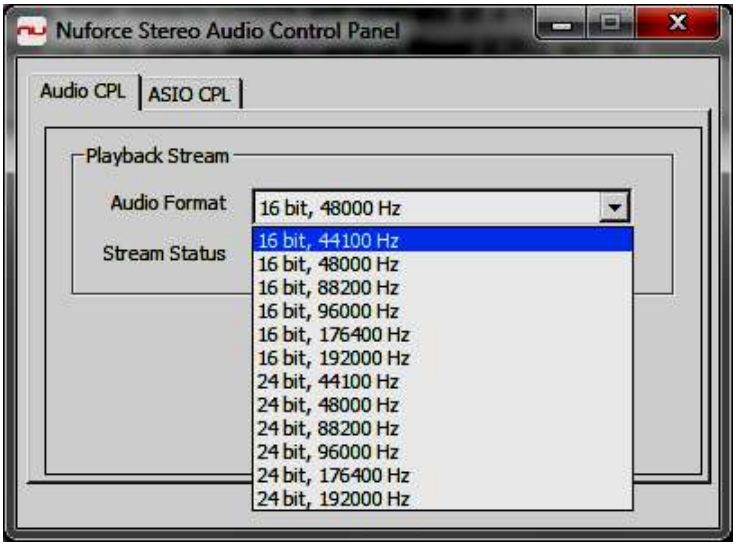
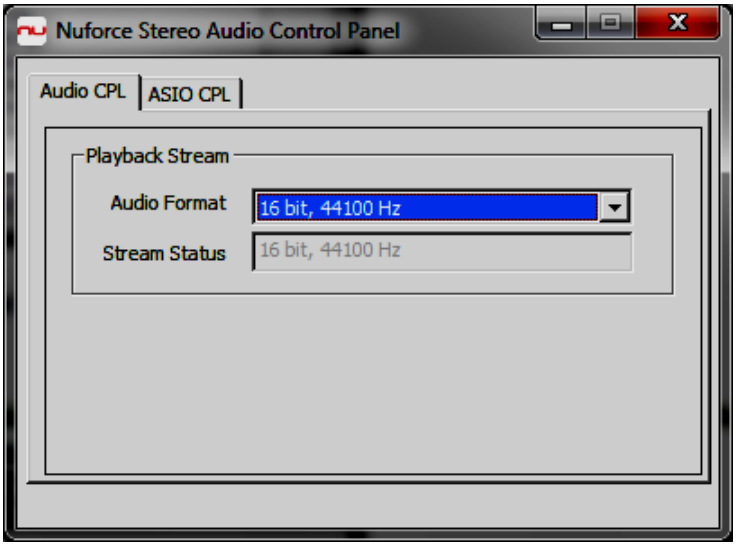
Direct Sound Mode

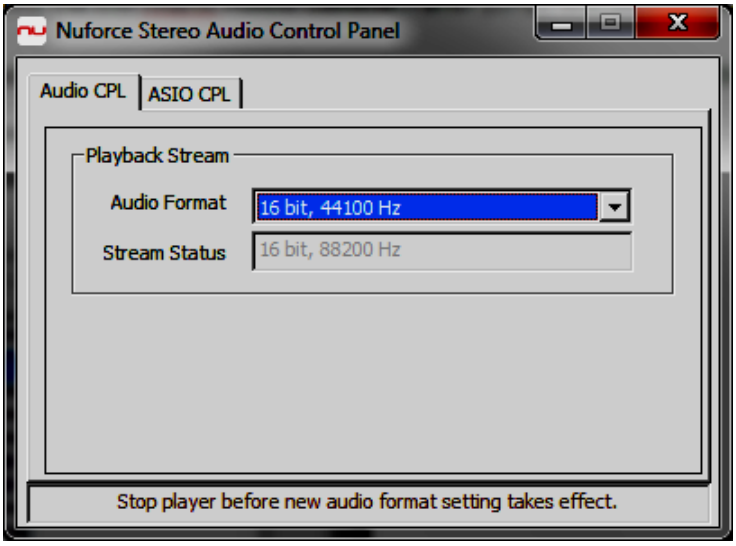
Because the USB input is asynchronous, theU192S will operate at a fixed output sample rate. Regardless of whether the music is recorded at 48k or 192k, whatever actual DS format (bit depth & sample rate) is selected, that format will be the operating format. Selection is made via the **Audio Control Panel** (CPL) section of the **NuForce Stereo Audio Control Panel**. For the best sound quality in Direct Sound mode, you will need to manually select the Audio Format so that it matches the music file format. (See screenshots below).



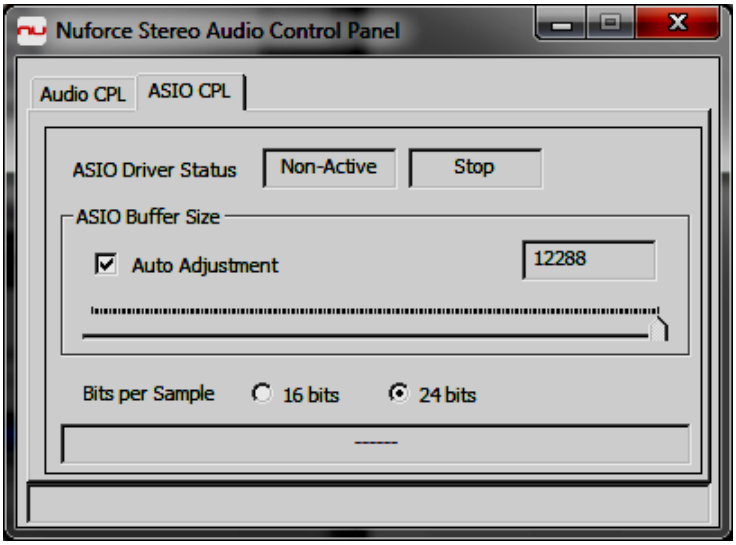
In Direct Sound mode the Stream Status is **ALWAYS** equal to the selected Audio Format:



When music is being played, the Audio Format cannot be changed on the fly. The music must be stopped before you can make the next change (Note the message: **Stop Player**...)

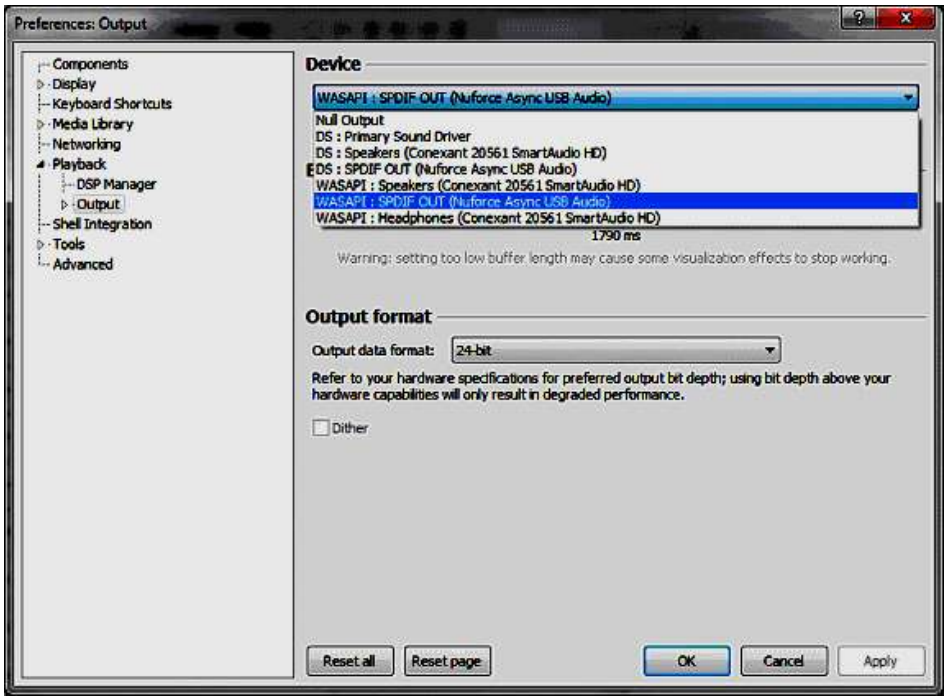


The ASIO tab should be set to 24-bit and Auto Adjust:



WASAPI Mode:
Some media players require a special WASAPI plug-in to enable support for WASAPI. Once installed and activated, WASAPI can be selected as the default audio driver.

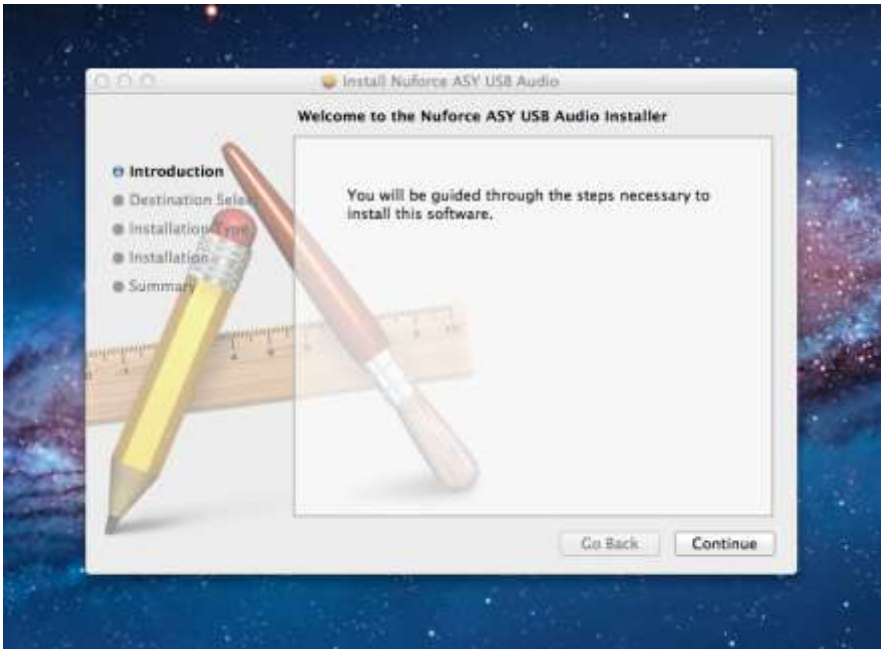
Below is a screenshot of **Foobar2000** in Windows 7 (after WASAPI plug-in has been installed) showing different supported device driver options: As you can see, both Direct Sound (DS) and WASAPI options are listed.



Once WASAPI mode is selected, the native sample rate will be employed. No adjustment in Audio CPL is required. Look at the **Stream Status**. You will note in the screenshot below that the actual sample rate used does not equal the selected sample rate. This is a result of WASAPI's ability to provide automatic playback of the music file in its native format apart from those of other Sound Effects settings.

Download Driver (Mac OS Installation):
First, you will need to download the required driver from the following location:
http://www.nuforce.com/hp/support/download/download.php

Install Driver & Software:
After downloading the driver, the Installation program will begin. Click **Continue > Install > Install Software >** Continue installation as each screen appears. In the last window, click **Restart** to reboot your computer in order to complete the installation process.

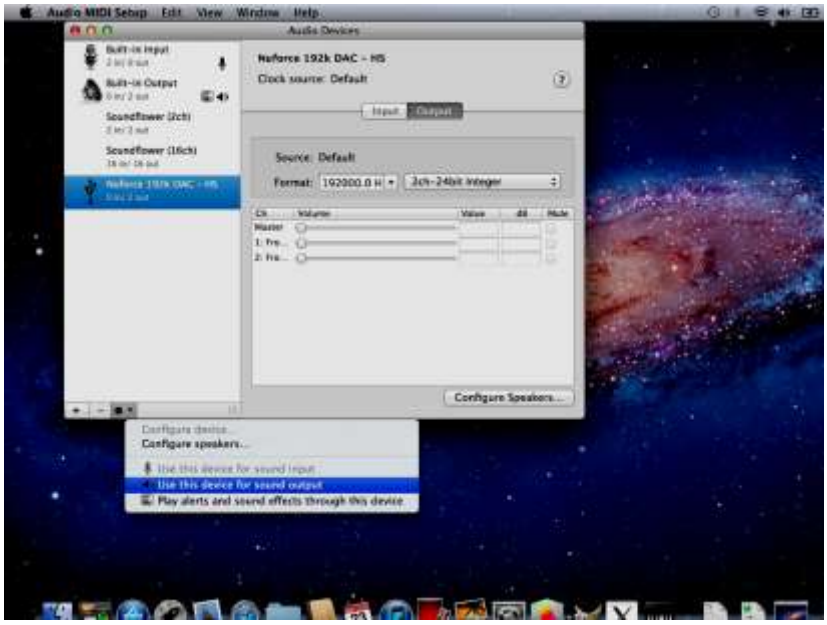


Connect Hardware:
Once the software has been installed, connect a digital coaxial or optical cable from the output of the U192S to the input of your DAC. Plug the provided USB cable between the computer's USB port and the U192S. A white LED – **44.1k** – will indicate the U192S's power-on status.

Adjust Software (Mac OS Setup):

Installation of the U192S on Apple Mac systems is straightforward and simple:

1. On the **Desktop**, select **Launchpad**.
2. Under **Launchpad**, select **Utilities**.
3. Under **Utilities**, select **Audio/Midi Setup**.
4. Under **Audio/Midi Setup**, select **NuForce U192S** as the default audio device.
5. In the **Format** drop-down menu select the desired sample rate and bit resolution.
6. The white LED on the U192S will indicate the selected sample rate.
7. Begin using the U192S by playing music files via your media software.


Audio MIDI Setup
Edit
View
Window
Help
Audio Devices
Built-in Input
Built-in Output
Soundflower (2ch)
Soundflower (16ch)
Nuforce 192k DAC - HS
Clock source: Default
Input
Output
Source: Default
Format:
2ch-24bit Integer
Configure Speakers...
Configure speakers...
Use this device for sound output
Play alerts and sound effects through this device