
SETUP GUIDE: MOON USB HD Driver for Windows 7, 8, 10

MOON Nēo 260D

MOON Nēo 350P D²

MOON Evolution 650D

MOON 300D v.2

MOON Nēo 340i D²

MOON Nēo 380D (non DSD)

MOON Evolution 750D



M O O N

Musical Ecstasy

USB HD Driver v4.11.0

Filename: MOON_USB_HD_Audio_DriverSetup_v4.11.0_Win7+.zip

Applicable Models: MOON Nêo 260D with DAC option
MOON Nêo 340i with D² DAC
MOON Nêo 350P with D² DAC
MOON Nêo 380D DAC (non DSD)
MOON 650D DAC
MOON 750D DAC
MOON 300D v.2 DAC

Function: Allows the DAC's USB input to accept Hi-Resolution audio files

In Windows launch this file: **MOON_USB_HD_Audio_DriverSetup_v4.11.0_Win7+.exe**

Installation of this driver is required to accomplish a USB connection with 24-bit/192kHz performance between your computer and your MOON 300D v.2, Nêo 380D, 650D or 750D DAC, as well as either your MOON Nêo 340i Integrated Amplifier or MOON Nêo 350P Preamplifier equipped with the D² version of the optional DAC.

If you are using a MAC OS-X (v10.6.4 or higher) based computer, you do not need to do any of the following since your operating system provides native support for the USB interface - it is already equipped to realize the maximum potential of this interface for digital audio playback.

Installation:

Follow the on-screen installation instructions until you reach the "Completing the MOON USB HD Audio v4.11.0 Setup Wizard" dialog box and click "Finish". Now you must configure several windows Control panel settings.

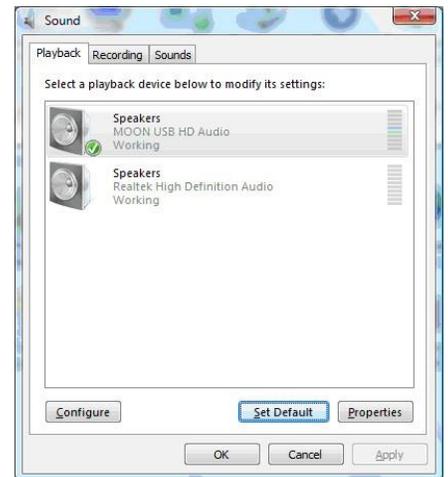
Configuration:

Windows 7, 8 and 10 Configuration using Control Panel settings:

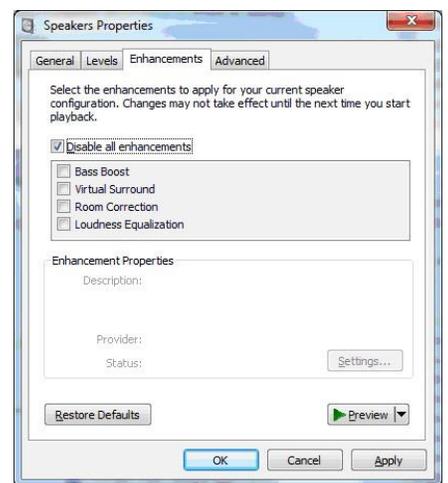
Windows Vista, 7 and 8 all upconvert digital music data to 32-bit floating-point format, mixing them with 32-bit precision into an output stream with the highest possible bit-depth/sampling rate combination that your computer hardware can process. This combination can be changed via the "Sound" properties for your audio device in the control panel (i.e. 16/44kHz, 24/96kHz, etc). However, Windows will still process audio using 32-bit floats and then downconvert the stream to your control panel settings prior to sending it to your MOON USB DAC. Aside from this additional and unnecessary processing, you are stuck with Windows' bit-depth/sampling rate setting, regardless of the properties of your music file.

When using a high-performance DAC in conjunction with computer based music files, a key objective is to output "bit perfect" digital audio directly to the external USB DAC, bypassing any audio processing that the Windows operating system performs. Since the audio stack in Windows Vista & Windows 7 cannot be bypassed, you will need a media player that accomplishes this task, outputting unaltered "bit perfect" data. Players such as ["JRiver Media Center"](#) and ["foobar2000"](#) can accomplish this task; They are capable of overriding the Windows audio stack through their use of their ASIO (Audio Stream Input / Output) or WASAPI (Windows Audio Session API) drivers which take exclusive control over an audio device (i.e. USB DAC or professional audio sound card), sending the digital audio signal directly to the device.

Once the install has successfully finished, there are several adjustments you will need to make in the "Sounds" section of the windows "Control Panel". First you will need to set the "MOON USB HD Audio" as your default playback device:



Next, you will have to configure the default device. Click on the "Properties" button and then select the "Enhancements" tab. Select the check box to the left of "Disable all enhancements":



Finally, select the "Advanced" tab. The "Default Format" setting (related to the aforementioned "audio stack") isn't relevant as it should be bypassed by your media player. However, both "Exclusive Mode" options need to be checked on:

