

PopPulse U-II

User Manual

Congratulations on purchasing the PopPulse U-II.

When connected up to a PC via its USB port, the U-II converts the digital data stream from the USB input directly into I2S and straight onto the DAC chip. This bypasses the inferior SPDIF digital audio data stream format entirely and should almost eliminate jitter, thereby improving sound quality.

The U-II also doubles as an excellent quality USB Digital Transport.

FEATURES

- Cirrus CS-8416 Receiver chip,
- Cirrus CS-4398 D/A converter chip (24-192KHZ)
- Dual LT1364C OPAMPS for analog output circuit
- Optical digital toslink output
- Coaxial Digital output
- USB input (CM-108 USB receiving chip)

In the Box

Carefully unpack the U-II, making sure all the below are present:

- * 12v DC Power Supply
- * Mains Lead
- * USB Cable
- * Spare DC Power Lead

Operating the U-II as a DAC

Please switch OFF all devices before making any connections with the U-II DAC.

Switch on and boot-up PC.

Using the Power Source Select Switch on the front panel of the U-II, Select "USB".

Front Panel



Using an interconnect cable (not supplied), plug one end of the cable into the RCA Analogue Outputs of the U-II and the other end of the cable into a spare analogue input of a suitable amplifier (make sure it is not switched on).

Using the supplied USB Cable, plug one end into the USB input on the rear panel of the U-II and the other end of the cable into a spare USB socket on the PC.

If plugged in correctly, the Windows Operating System on the PC should automatically recognise the U-II DAC and one of the LED Status LEDs on the front panel of the U-II should glow Green.

Using a software media player such as Winamp, play back an audio file (It could be a WAV, MP3, CD, Internet radio stream, etc...).

If the U-II is working correctly, the Green Status LED on the front panel should be blinking and the other Status LED should now be glowing White.



With the volume turned fully down, switch on the amplifier. Adjust volume to suit and enjoy the music!

Operating the U-II as a USB Digital Transport

Please switch OFF all devices before making any connections with the U-II DAC.

Switch on and boot up PC.

Using the Power Source Select Switch on the front panel of the U-II, Select “USB” power source.

Using a suitable digital interconnect cable (not supplied), plug one end of the cable into one of the digital outputs on the rear panel of the U-II. This could either be: BNC, Optical (Toslink), RCA Coaxial or balanced digital XLR. Plug the other end of the digital interconnect into a suitable DAC (make sure it is not switched on).



Using the supplied USB Cable, plug one end into the USB input on the DAC and the other end of the cable into a spare USB socket on the PC.

If plugged in correctly, the green Status LED on the front panel of the U-II should illuminate. The Windows Operating System on the PC should automatically recognise the U-II.

Using a software media player such as Winamp, playback an audio file (It could be a WAV, MP3, CD, Internet radio stream, etc...).

If the U-II is working correctly, the Green Status LED on the front panel should be blinking and the other Status LED should now be glowing White.

Switch on the DAC. Select the digital input the U-II is connected to. Enjoy the music!!

The Supplied Power Supply

For slightly improved sound quality both as a DAC and as a Digital Transport, use the supplied 12v DC Power Supply.

To use the 12v DC power supply:

Set the Power Source Select Switch on the front panel of the U-II to “Extra”.

Using the supplied USB lead, connect the U-II to a spare USB port on the PC / Mac

Boot-up PC

Plug the power lead of the 12v DC power supply into the “Power In” socket on the rear panel of the U-II.

Plug the supplied AC mains lead into a spare mains power outlet (make sure it is not switched on) and plug the other end of the mains lead into the 12v DC Power Supply.

Connect up the device you wish to use with the U-II. If using as a DAC, this will be using the RCA analogue outputs (probably with an amplifier). If using the U-II as a Digital Transport, one of the digital outputs will be used (probably with an external DAC).

Switch on the mains power outlet.

If plugged in correctly, the green Status LED on the front panel of the U-II should illuminate.

The Windows Operating System on the PC should automatically recognise the U-II.