

||||| UpTone Audio |||||

USB
REGEN

User Guide

Made in U.S.A.

Thank you for purchasing an UpTone Audio USB REGEN.

This unique device takes the digital audio stream from your computer or other music-streaming component, and **generates a completely new USB 2.0 data signal to feed to your DAC**. It accomplishes this by combining a carefully chosen USB hub chip with an ultra low-noise regulator and low-jitter clock. Importantly, it does so with ideal impedance matching—right at the input of your DAC.

The USB REGEN's secondary function is that it disconnects the computer's noisy 5 volt bus power coming down the USB cable, and **provides clean 5VBUS** on its output--for DACs that need it—via a second ultra low-noise regulator.

Your USB REGEN kit includes:

- The REGEN with USB 2.0 'B' input and USB 2.0 'A' output. The DC power jack is 5.5mm x 2.1mm.
- A world-voltage compatible, 22 watt/7.5V/2.93A, switch-mode power supply and a detachable, 45cm, 18awg AC mains cord.
- A male/male USB A/B solid adapter plug to attach the REGEN to your DAC.
- A 15cm male/male USB A>B cable.
- A 3-year, transferrable warranty. Just contact us if anything ever goes wrong.

Installation and use of the USB REGEN is simple:

Power:

The REGEN requires power in the range of 6~8 volts +DC, and this is normally supplied by the 7.5V SMPS included with your kit. (If you wish to use a different supply, please refer to our web site for notes about powering the device above 8VDC.)

The small amber LED on the input side of the REGEN will light when power is applied.

Connections:

The REGEN can perform its functions at either end of your USB cable, but is **most effective when placed at the DAC end.**

Attach the 'A' end of your own USB cable to your computer or other USB audio source (streamer, renderer, etc.), and the 'B' end to REGEN jack marked "INPUT:"

For connection of the REGEN to your DAC, please use the solid male/male USB A>B adaptor to obtain the best interface impedance match. Plug the adaptor into the REGEN jack marked "OUTPUT," and then the entire assembly into your DAC's USB audio input. (Place a cube of foam or wood under the REGEN to support it if you are concerned about strain on the jacks.) If things are too tight around your DAC's USB input or you just don't want to use the adapter, you may use the short USB cable provided.

Recognition by Computer:

The REGEN uses a high-speed hub controller chip that is compliant with USB 2.0 standards. No software drivers are required. Once powered and attached to your computer, it should be immediately recognized as a USB hub.

Any USB device attached to the “OUTPUT” jack of the REGEN will be seen as connected via a hub. You may need to check your operating system and player software preferences/control panels to confirm that your DAC is being seen “through” the hub.

The REGEN has been tested on Windows, Macintosh, and Linux systems, including with a variety of DACs that use their own specialized software drivers. So far, compatibility has been 100%.

If your music player application or computer does not immediately “see” your DAC, please first turn your DAC off/on, check again, and then reboot your computer with the REGEN and DAC attached. In rare cases, you may need to reinstall the DAC driver software.

We hope the REGEN enhances your music system.