innuos

BREATHE NEW LIFE INTO YOUR DAC

Reclock and Regenerate the USB signal from any source

PHOENIX USB

RECLOCKER

£ 2 249 GBP · € 2 499 EUR · $ 3 149 USD · $ 4 099 CAD

PHOENIXUSB

RECLOCKER

The PhoenixUSB Reclocker takes the USB signal from any source and completely regenerates it to an extremely high-precision signal to feed into your DAC, allowing it to perform at its best.

The PhoenixUSB offers in one unit the equivalent of 3 separate components: A USB regenerator, a linear power supply and an external master clock with its own linear power supply.

Innuos applied 3 main design approaches learning from their experience with the Innuos flagship music server, the STATEMENT:

- The USB chip regenerating the signal contains no switching regulators. All 3 independent voltages to the chip originate from an independent linear power supply with further regulation provided by 3 sets of LT3045 regulators.
- The use of a 3ppb OCXO clock running directly at 24MHz and connected via a board track just a couple of inches away from the USB chip. Therefore, no precision is lost within cables and connectors, as is the case when using an external master 10MHz clock with an additional 24MHz clock generator.
- Two independent Statement-level linear power supplies, one dedicated to the OCXO clock and the other used for powering the USB chip/5V USB line.

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