

True high end performance digital to analogue converter



Specifications

Inputs:	Coaxial (Phono), Optical (Toslink) and USB (Standard B)
Selection:	Priority Selected
Sample Rates:	Coaxial & Optical (SPDIF) - 44.1/48/88.2/96KHz, 24bit USB - 44.1/48KHz – no driver required for MAC or PC
THD & Noise:	>100dB
Outputs:	Audio - via Phono 2V Digital - Deltran Locked™ via Toslink
Weight:	2.6Kg
Dimensions:	230 x 100 x 330mm (WxHxD)

Deltec Precision Audio reserves the right to change any specifications without notice.

Designed, manufactured and hand assembled by craftsman and precision engineered within the UK.



DPA-PDM3
Digital to Analogue Converter

PDM3 - a true high end performance Digital to Analogue Converter

Three priority selected inputs

Optical & Coaxial SPDIF
with sample rates of 44.1/48/88.1/96KHz 24bit

USB 44.1/44KHz

Deltran Locked™ facility*

Phono output

The PDM3 has been designed to keep the signal path as simple and direct as possible. Digital integrity is maintained by not using potentially corrupting up-sampling or DSP (Digital Signal Processing) before the converter. Following the converter our reconstruction filter is formed around our unique hybrid voltage amplifier. Together these enable the PDM3 to have exceptional transparency and instrument separation.

The digital signal is re-synchronised before the final conversion stage.

A thermally compensated Master reference crystal oscillator (TCXO) clock is used as a critical timing element.



*Deltran Locked™

The PDM3 has the ability to output an extremely precise master reference clock to be used by a suitably modified transport or player to generate a low phase noise (i.e. low jitter) SPDIF synchronised digital signal locked to the PDM3 reference. This feature is called Deltran Locked, and can either be incorporated into new CD designs or retrofitted into a wide range of transports and players with the Deltran upgrade connector. Deltran Locked transforms even a budget CD player into a high quality source with improvement in sound stage, rhythm and dynamics.

Separate transformers for the digital and analogue circuits. Heavily RF filtered low noise individual supplies for the analogue, DAC, digital and master reference clock.