




ORPHEUS
SWISS MADE



Orpheus Heritage DAC

The Orpheus Heritage DAC MP2 digital to analog audio converter brings together the best in audio technology. The Dual box design enables the separation of elements with the power supply and control circuitry placed in one box and the pure audio circuitry in the other. The full dual mono construction is one of many features which is designed for ultimate performance. The oversized power supply and the highest quality master clock provide an unequalled sense of rhythm and “foot tapping” effect. The innovative phase aligned analog stage permits ultra fast transient response and perfect stereo imaging. The frequency response is optimized for best time domain behaviour. The full dual mono construction brings absolute channel separation and operation silence. The combination of the abovementioned features in the DAC MP2 enables it to achieve the complete potential of digital audio.

Design concepts :

Latest Q5TM 24bit-768kHz asynchronous up-sampler module. TimeLockTM sub picoseconds local clock technologies. Unique proprietary D/A converter drive modules with 4 DACs per channel. Revolutionary power supply using newly designed state-of-the-art discrete regulators. Dual mono design with 2x150VA transformers.

Analog side :

State-of-the-art analog section using only two active stages (I/V conversion and gain). Audiophile top-grade components used throughout (Vishay resistors, Leclanché caps, ...). Superlative PCB quality using gold plated traces and special dedicated conductor rails for various power supplies and ground. Innovative discrete power supply regulation stages at all places.

Digital side :

State-of-the-art digital section using three 800MMACs digital signal processors. Highest quality asynchronous up-sampler for clock domain isolation and data interpolation. Unique quad-DAC (AD1955) per channel architecture using converter scrambling technology. Highest precision master-clock and clock distribution network for almost zero jitter digital to analog conversion. Full synchronous audio section clocking scheme according to DSSTM technology.

Features

- Digital to analog conversion 24bits / 768Khz
- 6 digital inputs : 2xAES, 2xRCA, 2xBNC
- 44.1kHz-192kHz, 16 to 24 bit digital input data
- Analog outputs: stereo balanced (4Vrms) and unbalanced (2Vrms)
- 1x Q5, 1x TimeLock, 2x
- Sonic 2 specific modules
- User controllable phase inversion
- THD+N (1kHz 0dBfs, 20Hz-20kHz) : ~-110dB
- Linearity : down to ~-140dB
- Noise floor : around ~-140dB
- Weight : 30kg
- Size : 44cm x 38cm x 15cm