DAC2 STEREO D/A CONVERTER

emm Labs *SE*

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You know how it is. Digital audio data isn't the sole domain of digital transports any longer.
Today it streams from sources as diverse as your PC, music server, satellite receiver, mixing board and portable player. Which is why EMM Labs has created one very simple, very convenient way to get state-of-the-art sound from all of them.

Introducing the DAC2 – the next generation two-channel reference d/a converter from EMM Labs. Not only is the DAC2 equipped with a multitude of input options, it's the first converter to feature our proprietary new MFAST™ (Meitner Frequency Acquisition System) technology.

MFAST™ vs. conventional PLLs

Most converters utilize PLL (Phase Lock Loop) circuits. MFAST™ has two distinct advantages. It's a high-speed asynchronous system that acquires any data stream almost instantaneously. Moreover, unlike PLLs which merely attenuate jitter, MFAST™ strips jitter out of the audio stream completely. Enabling you to enjoy pristine sonic clarity whether the incoming data stream is pure or anything but. The DAC2 also features:

MDAT™: 2x DSD Upsampling

Meitner Digital Audio Translator (MDAT™) *upsamples digital audio to 5.6 MHz, double the SACD standard sampling rate.*

Proprietary Discrete Dual Differential D-to-A Converters

We were not willing to accept the inherent non-linearities of every mass-market chip created to date. Neither should you.

KEY FEATURES:

- MFAST™ technology for instant signal acquisition, jitter-free performance
- Meitner Digital Audio Translator (MDAT™) signal processing technology
- Proprietary Discrete Dual Differential D-to-A Converters
- Exclusive aerospace-grade composite laminate circuit boards
- EMM Optilink proprietary interface for connection to matching TSD1 CD/SACD Transport
- Precision-machined aluminum chassis
- Multifunction infrared remote control
- Polarity inversion performed in the digital domain
- User-selectable rear-panel audio output level control
- USB port for computer audio
- USB port for future software upgrades
- Serial port for wired remote control
- Power supply
  - Power factor corrected
  - Factory set to 100V or 115V or 230V, 50/60Hz
  - Power consumption: max. 50 W

Digital inputs: EMM Optilink, AES/EBU, USB, SPDIF Coax, 2x S/PDIF Toslink, EMM Expansion Port.
Stereo analog outputs: XLR and RCA
Output impedance:
             300 ohms balanced (XLR)
             150 ohms unbalanced (RCA)
Two user selectable output levels:
Low position:
             XLR outputs: 4V (+14.38dBu)
             RCA outputs: 2V (+8.353dBu)
High position:
             XLR outputs: 7.2V (+19.38dBu)
             RCA outputs: 3.6V (+13.34dBu)

Dimensions W x D x H: 435 x 400 x 92mm
Weight: 12kg

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For the studio. For the home. For the music.