BASE FS

POLARITY

LOCK   44.1 KHZ   48 KHZ   INVERTED   MUTE   ALT

SYSTEM

CLOCK

INPUT SELECT

EMM LINK   AES   COAX   TOS 1   TOS 2   PC AUDIO   PDAI

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DAC2X STEREO D/A CONVERTER

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.

Re-introducing the DAC2X – built with the award winning reference technology in the XDS1. The DAC2X features the latest generation MDAT™ up-converting DSP, MFAST™ jitter removal system, MCLK™ master clock and Ed Meitner's hand built 5.6Mhz proprietary discrete dual differential D-to-A converters.

The DAC2X also features a multitude of inputs allowing a host of connectivity options and support for up to 24bit,192kHz on all PCM inputs including USB.

The DAC2X also supports true DSD streaming over USB.

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 DAC2X 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:

- XDS1 generation MFAST™ technology for instant signal acquisition, jitter-free performance
- XDS1 generation Meitner Digital Audio Translator (MDAT™) signal processing technology
- XDS1 generation 5.6Mhz proprietary discrete dual differential D-to-A converters
- Exclusive aerospace-grade composite laminate circuit boards
- EMM Optilink proprietary interface for connection to matching TSDX CD/SACD Transport
- Precision-machined aluminum chassis
- Precision-machined aluminum infrared remote control
- Polarity inversion performed in the digital domain
- 24bit,192kHz support on all PCM inputs including USB
- DSD streaming over USB (DoP 1.0 specification)
- USB port for future software upgrades
- Serial port for wired remote control
- XDS1 generation reference power system
  - Power factor corrected
  - Factory set to 100V or 115V or 230V, 50/60Hz
  - Power consumption: max. 25 W

Digital inputs: EMM Optilink (CD/SACD)
Supports up to 24bit, 192kHz on all
PCM inputs: AES/EBU, USB,
2x SPDIF Coax, 2x S/PDIF Toslink
DSD streaming over USB

Stereo analog outputs: XLR and RCA

Output impedance:
300 ohms balanced (XLR)
150 ohms unbalanced (RCA)
Output levels:
XLR outputs: 4.6V (+15.45dBu)
RCA outputs: 2.3V (+9.45dBu)

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.