

M3 Preliminary Product Information



Introducing the M3 Digital to Analog Converter

The Model 3 digital to analog converter offers an incredible array of performance in a more affordable price class. Highlights include two fully differential conversion channels, separate conversion for PCM and native DSD, and a balanced analog level control circuit, making the M3 suitable for all applications.

The M3 utilizes two independent linear power supplies for the analog and digital processing to ensure low noise and superior isolation. A newly designed chassis made from robust CNC milled aluminum in sections insures superior thermal characteristics, excellent vibrational damping and shielding from RF.

The M3's digital design employs precision DDS clocking that lowers jitter to extremely low levels, insuring a pure digital signal path without the use sample of rate converters, this combined with superior digital filter design, and Native DSD conversion yields a state of the art digital audio path. The M3's high speed low distortion analog path features a bypass-able preamp class analog level control allowing the M3 to be used to drive the power amps directly, with no bit loss for optimal analog performance.

Rear Panel Overview



Native DSD

The M3 features a true one bit analog modulator of our own design and unique to the industry for DSD conversion. The result is a true a pure Native DSD play back unlike any other converter in the market.

Options:

Network: The M3 can be ordered with our network streamer interface to allow the M3 to become a DNLA compatible network player. The M3's player supports sample rates up to 384k PCM and DSD128 as DoP.

Remote: The M3 can be ordered with an optional IR remote controller.

Specifications

Digital Inputs

Connectors:	XLR: AES/EBU 24 bit Single Wire RCA: SPDIF Optical: Toslink 44.1- 96k USB: USB 2 RJ45: Ethernet
Sample Rates AES, SPDIF:	44.1 kHz, to, 192kHz , DSD 64fs as DoP
Sample Rates USB:	44.1 kHz, to, 384kHz, DSD 64fs, 128Fs as DoP
Sample Rates Ethernet:	44.1 kHz, to, 384kHz, DSD 64fs,128Fs as DoP
Jitter:	8 psec @ 48k / 6psec @ 96k

Balanced Analog Outputs

D/A Conversion:	PCM 24 bit delta sigma 8x oversampling NDSB pure 1 bit conversion for DSD
Connectors:	XLR balanced (pin 2 hot)
Impedance:	40 ohm
Output Level:	@ 0 db front panel +14.3 dbm 4 db RMS (bypass mode)
Frequency Response @44.1k:	10 hz- 20 kHz +0dB, -.2 dB
Dynamic Range:	>120dB A-Weighted
THD+N @ 1k:	.0008% @ 0dbfs / .0004% @ -30dbfs

Unbalanced Analog Outputs

D/A Conversion:	PCM 24 bit delta sigma 8x oversampling NDSB pure 1 bit conversion for DSD
Connectors:	RCA
Impedance:	40 ohm
Output level:	@ 0 db front panel = +4db 2V rms
Frequency Response @ 44.1k:	10 hz- 20 kHz -.2 dB
Dynamic Range:	>120dB A-Weighted
THD+N @ 1k:	.0008% @ 0dbfs / .0004% @ -30dbfs

General

Finish:	Anodized Aluminum
Dimensions:	14" x 11.25" x 2.5"
Weight:	10 lbs
Shipping Weight:	15 lbs
Shipping Dimensions:	20"x 14"x 5"
Mains Voltage:	100, 120, 220, 240 VAC, 50 Hz – 60 Hz factory set
Trigger in/out:	TRS connector for 5V external trigger on ring.
Power consumption:	20 Watts
Warranty parts and labor:	2 years non transferable

M3 MSRP:	\$4,995
Remote Option:	\$500
Network Option:	\$1000

ALL PRICES, SPECIFICATIONS, ARE SUBJECT TO CHANGE WITHOUT NOTICE
