

504X 24 BIT DIGITAL OUTPUT SYSTEM

dbx[®]
PROFESSIONAL PRODUCTS



VISIONARY DESIGN

The 504X represents the pro audio industry's first melding of a vintage vacuum tube design with the clarity and versatility of the finest 24 bit analog to digital conversion process available today, the dbx TYPE IV™ Conversion System. The 504X plugs directly into the rear panel of all three dbx Silver Series processors and converts the rich warmth of tube-driven analog signal straight into the digital domain for the first time. In addition, clock sync capabilities are offered through BNC connectors as well, for internal or external sync-ing of clock speeds. Choose 24 bits of either AES/EBU or S/PDIF. Either way, the essence of any source device is preserved in pristine condition.

The 504X uses the patent-pending TYPE IV™ Conversion System to convert your analog signals to digital in a way that preserves the analog warmth through TSE™ Tape Saturation Emulation a process that allows the signal to be converted with a more analog feel, yet gives the clarity and precision demanded by today's digital standards.

Think about it, the warmth and smoothness of your vintage analog signal, coupled with a digital system that offers the best performance in headroom management through custom dither algorithms and noise floor shaping. It really is the best of both worlds, and you owe it to yourself to hear how it sounds.

FEATURES

- *Sample rates at 44.1kHz or 48kHz*
- *Dither outputs to 16, 20, or 24 bits using TPDF or SNR² algorithms*
- *TYPE IV™ A/D Conversion System*
- *Sync input/output using low jitter phase-locked loops*
- *Two user selectable noise shape algorithms for lower perceived noise floor*
- *AES/EBU format is available on a gold plated Neutrik XLR or S/PDIF format is available on a gold plated RCA coaxial connector*
- *Can be installed in a dbx 566 Compressor, dbx 576 Microphone Preamplifier/Compressor, dbx 586 Microphone Preamplifier, or a dbx 1086 Microphone Preamplifier Processor*

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