

IEM IN-EAR MONITOR PROCESSOR

Digital Multi-band Compressor/Limiter/Parametric EQ/PeakStop™ Limiter/ **lexicon** Reverb

dbx®

PROFESSIONAL PRODUCTS

VISIONARY DESIGN

Finally! There is now a digital signal processor that has been designed specifically for in ear monitor applications. New from dbx Professional Products, comes the IEM, In-Ear-Monitor Processor which is the ideal tool for fine-tuning mix monitoring for In-Ear monitoring devices. Not only does the IEM provide the legendary dbx effects in the digital domain, such as 4-band stereo compression, PeakStop™ limiting and 5-band parametric EQ, but the IEM also includes stereo adjust, dbx proprietary Type IV™ conversion system, and for good measure, we have even raised the playing field by including custom reverb algorithms using the industry-standard Lexicon® digital reverb technology. The IEM from dbx Professional Products is a unit that is certain to take In-Ear Monitor processing to the next level.

REVOLUTIONARY ENGINEERING

From the company that has been redefining the standard of signal processing for more than 25 years, dbx® Professional Products now offers a bulletproof product that caters to the scrutinizing needs of performers who utilize In-Ear Monitoring devices.

The IEM was designed with the simple purpose and vision of enhancing the sonic quality of all In-Ear monitor applications, while providing the necessary audio level protection that artists and engineers require. The design team at dbx has achieved this pursuit by building a unit that offers effects including: 4-band stereo compressor with gating and limiting, 5-Band Parametric EQ, PeakStop™ limiting, Stereo adjust and Lexicon® reverbs. In addition to methodically designing a utilitarian unit that includes an intuitive user front panel which provides instant access to all effects within the IEM at the push of a button, as well as a large custom display which clearly shows all operational information of the unit in a logical manner, all aspects of the aforementioned features can be controlled by the included dbx Professional Products Interactive software. Software updates can be downloaded instantly from www.dbxpro.com through the RS 232 port.

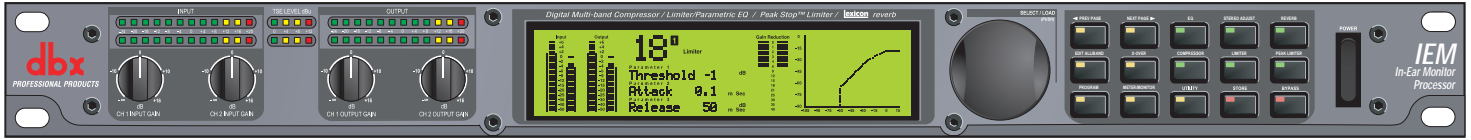
FEATURES

- **Industry-Standard Lexicon® Reverb Algorithms**
- **48 bit internal signal path for increased head room and low level resolution**
- **TYPE IV™ A/D Conversion system with TSE™**
- **4-band stereo Compressor and limiter with classic dbx Compression**
- **5-band EQ – Hi and Lo shelves, 3 band fully parametric**
- **PeakStop™ limiting**
- **Stereo adjust – to control your stereo image**
- **PC GUI**
- **Software updateable via Internet and RS 232 port**
- **4-band crossover with variable slopes**

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H A Harman International Company





SPECIFICATIONS

<p>Inputs</p> <p>Connectors: Female XLR and 1/4" TRS (Pin 2 and tip hot)</p> <p>Type: Electronically balanced/unbalanced, RF filtered</p> <p>Impedance: Balanced >18 kΩ, unbalanced >9 kΩ</p> <p>Max Input Level: +24 dBu balanced or unbalanced</p> <p>CMRR: >40 dB, typically >55 dB at 1 kHz</p> <p>Input Gain Range: -∞ to +16 dB</p> <p>MIDI: 5-Pin DIN MIDI Input Jack</p>	<p>Type IV™ Dynamic Range: Up to 127 dB with transient material, A-weighted, 22 kHz bandwidth Up to 125 dB with transient material, unweighted, 22 kHz bandwidth Typically 119 dB with program material, A-weighted, 22 kHz bandwidth Typically 117 dB with program material, unweighted, 22 kHz bandwidth</p> <p>THD+Noise: 0.002% typical at +4 dBu, 1 kHz, input gain at 0 dB</p> <p>Frequency Response: 20 Hz to 20 kHz, +0/-0.5 dB</p> <p>Interchannel Crosstalk: < -85 dB at 1 kHz, input gain at 0 dB</p>
<p>Outputs</p> <p>Connectors: Male XLR and 1/4" TRS (Pin 2 and tip hot)</p> <p>Type: Servo-balanced/unbalanced, RF filtered</p> <p>Impedance: Balanced 120 Ω, unbalanced 60 Ω</p> <p>Max Output Level: >+21dBu balanced/unbalanced into 2kΩ or greater >+20dBm balanced/unbalanced (into 600Ω)</p> <p>Output Gain Range: -∞ to +16 dB</p> <p>MIDI: 5-Pin DIN MIDI Out/Thru Jack</p> <p>PC COMM: RS 232</p>	<p>D-A System Performance</p> <p>D-A Conversion: 24-bit</p> <p>Dynamic Range: 115 dB typical, A-weighted, 22 kHz bandwidth 112 dB typical, unweighted, 22 kHz bandwidth</p> <p>THD+Noise: 0.002% typical at +4 dBu, 1 kHz, output gain at 0 dB</p> <p>Frequency Response: 20 Hz to 20 kHz, +0/-0.5 dB</p> <p>Interchannel Crosstalk: < -85 dB at 1 kHz, output gain at 0 dB</p>
<p>A-D System Performance</p> <p>A-D Conversion: 24-bit, dbx Type IV™ Conversion System</p> <p>Converter Dynamic Range: 114 dB typical, A-weighted, 22 kHz bandwidth 112 dB typical, unweighted, 22 kHz bandwidth</p>	<p>Power Supply:</p> <p>Operating Voltage: 100-240 VAC 50/60 Hz</p> <p>Power Consumption: 24 watts</p> <p>Physical:</p> <p>Dimensions: 1.75"Hx10"Dx19"W</p> <p>Weight: 7.14 lbs. (3.24 kg)</p> <p>Shipping Weight: 10 lbs (4.40 kg)</p>

dbx engineers are constantly working to improve the quality of our products. Specifications are, therefore subject to change without notice.

FOR MORE INFORMATION CONTACT:

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