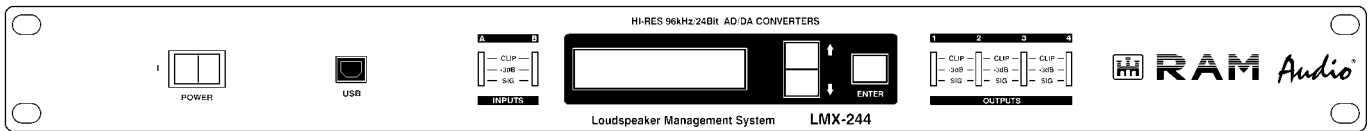


LMX-244



Loudspeaker Management System



Features

- Two Inputs and four Outputs: configurable as two way stereo and three or four way mono processor
- 24 bits/96 kHz A/D and D/A Converters.
- Two 32 bits floating point DSPs. 48 bits internal resolution.
- AES/EBU, SPDIF Digital Input. It includes bit rate frequency converter (32kHz-96kHz 24 Bits).
- Vu meters: Input level and Relative to Limiter level in the Outputs.

Input Configuration

- Gain control.
- Delay Line: 0 to 100 meters.
- EQ: 6 full configuration filters per input (Parametric, Shelving, LowPass, HiPass, BandPass, StopBand, AllPass).

Output Configuration

- Free Routing.
- Output Delay: 0 to 10 meters.
- Crossovers: Up to 8th Order (48dB/Oct). Butterworth, Linkwitz-Riley, Bessel and Custom (variable resonance Frequency and Q).
- Output EQ: 6 full Configuration filters (Parametric, Shelving, LowPass, HiPass, BandPass, StopBand, AllPass).
- Gain, Phase inversion and Mute.
- Compressor / Limiter with adjustable Knee which permits a progressive limitation threshold offering a more transparent effect when compared with conventional limiters. Absolutely distortion free Dynamics Control.
- Noise Gate.
- Possibility to use the acoustic system parameters, magnitude and phase, and refer to the system's Total Electro-acoustic response so that "you hear what you see".

Technical Data

- Input Impedance: 12 kOhms Balanced
- Output Impedance: 50 Ohms Balanced
- Max. Input/Output Level: +23.4dBu / +17dBu
- Residual Noise Level: -96 dBu unweighted
- Dynamic Range: 120 dB
- Distortion: <0.003% @-1 dBFS
- Crosstalk: -90 dB
- CMRR: >50 dB
- Storing Memories: 19
- Configuration: USB and EtherNet
- DSPs: Two. 32 bits, floating point and 48 bits internal resolution
- Switching Power Supply: Universal 85-265V AC, 50-60 Hz

