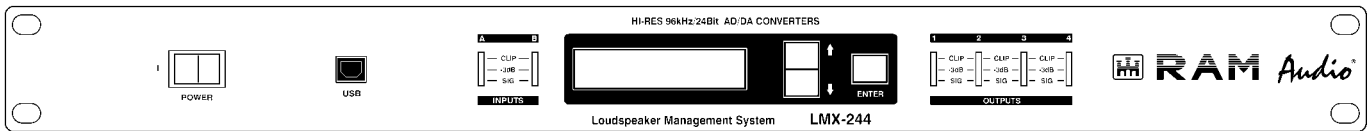


LMX-244



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

