



TECHNICAL SPECIFICATIONS MX250



DESCRIPTION

The MX250 Close Coupled Electronic Processor is designed to optimize the performance of a wide range of EAW loudspeakers, with a specific configuration available for most EAW loudspeaker systems. It is a cost-effective, single rack-space, analog electronic crossover designed for use in bi-amplified applications. The MX250 is a two-channel, two-way design, providing crossover, equalization, and phase-compensation functions for a stereo system. This removes the burden of "setting up" from the end-user and assures optimum system performance. In addition to the traditional left and right outputs, a set of "mono-summed" low and high outputs are available.

FEATURES

- Fourth-order Linkwitz-Riley asymmetrical filters for precise optimization of loudspeaker performance.
- Additional low and high "summed" outputs available simultaneously with main outputs.
- Polarity reverse internally selectable for each output.
- Active balanced input and outputs with XLR connectors

CLOSE COUPLED ELECTRONIC PROCESSING™

The concept of Close Coupled Electronic Processing™ (CCEP™) is central to the EAW design process. EAW engineers integrate electronic signal processing into the total loudspeaker system, but we recognize that electronics can only improve performance after all other electro-mechanical factors have been optimized. The MX250 processor incorporates functions such as complex asymmetrical crossover filters, phase compensation, and parametric equalization. All of these parameters are configured for a particular loudspeaker system in an iterative design process using EAW's rapid data acquisition facility and in-house multi-platform computer network.

CONFIGURATIONS

Each MX250 processor is configured (Close Coupled™) to a particular EAW loudspeaker system. If you have any questions please contact an authorized EAW sales agent, or the factory itself, to be certain that you order the correctly configured processor for your system.

SPECIFICATIONS

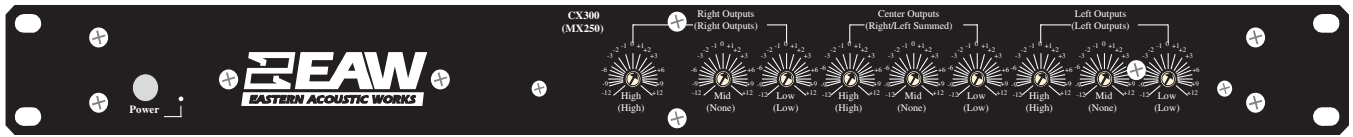
Inputs	Two; active balanced
Input Impedance	> 20k Ohms
Max. Input Level	+22dBu
Outputs	Six; active balanced
Output Source Impedance	200 Ohms
Output Min. Load	600 Ohms
Output Max. Level	+26dBu into 600 Ohm load
Frequency Resp.	+/- 0.5dB 20Hz - 20kHz
Noise	< -90dBu, 20Hz - 20kHz unwt'd
Dynamic Range	110dB
Total Harmonic Distortion	< 0.003% 20Hz - 20kHz, 0dBu
Gain	+/- 12dB from unity setting
Gain at Unity Setting	0dB unbalanced out, 6dB balanced out within passband
Input Connectors	3-pin female XLR
Output Connectors	3-pin male XLR
Power Connector	3 pin IEC
Power	95-130 VAC, 190-260 VAC; 50-60Hz
Power Consumption	< 15 watts
Agency Listing	UL listed, CE certified
Net Weight	8.5 pounds (3.9kg)
Shipping Weight	10 pounds (4.5kg)
Dimensions	1.75 (1U) X 19.00 X 8.16 inches (44 X 483 X 207mm)



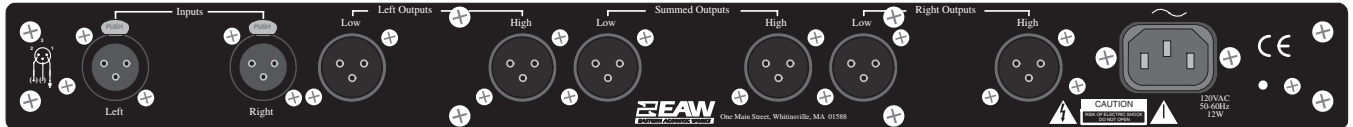


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FRONT PANEL



REAR PANEL



BLOCK DIAGRAM

