



TECHNICAL SPECIFICATIONS CX300

CINEMA SYSTEMS



COMPONENTS & CONSTRUCTION

The CX300 is a dedicated cinema electronic crossover, with a specific configuration available for each EAW cinema screen channel system. It is a cost-effective, single rack-space, analog electronic crossover designed for use in bi-amplified or tri-amplified applications. The unit is a three-channel design, so a single CX300 will provide crossover, equalization, and time-offset functions for a Left, Center, and Right cinema system. This removes the burden of "setting up" from the end-user and assures optimum system performance.

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 CX300 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 interactive design process using EAW's rapid data acquisition facility and in-house multi-platform computer network.

CONFIGURATIONS

Each CX300 processor is configured (Close Coupled™) to a particular EAW cinema screen channel loudspeaker system. Please refer to the information below to find the appropriate CX300 processor for your application. 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 you cinema system.

SPECIFICATIONS

Inputs	Three; active balanced
Input Impedance	>20k Ohms
Max. Input Level	+22dBu
Outputs	Nine; 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	Phoenix-compatible plug blocks
Output Connectors	Phoenix-compatible plug blocks
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 (IU) X 19.00x8.16 inches (44x483x207mm)

Model	Speaker system	Biamp/Triamp
CX300-CB152	CB152	Bi-amplified
CX300-CB153	CB153	Bi-amplified
CX300-CB259	CB259	Bi-amplified
CX300-CB423MX	CB423MX	Bi-amplified
CX300-CB523	CB523	Bi-amplified
CX300-CB523MX	CB523MX	Bi-amplified
CX300-CB423M	CB423M	Tri-amplified
CX300-CB523M	CB523M	Tri-amplified
CX300-CSC723X	CSC723X	Bi-amplified
CX300-CSC723	CSC723	Tri-amplified
CX300-CSC923X	CSC923X	Bi-amplified
CX300-CSC923	CSC923	Tri-amplified



