



# 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<br>(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 |



