

**Basic Description**

The XC-1 is a crossover accessory specifically designed for bi-amplified cinema applications. It can be configured to provide all necessary signal processing for the most popular screen channel loudspeaker systems.

The crossover installs in the rear accessory panel of QSC MXa amplifiers, as well as several of the legacy CX Series models. In addition to crossover filtering at either 500 or 800 Hz, the XC-1 features time-alignment delays to compensate for both small- and large-format high-frequency horns. A high-frequency trim control is provided for balancing levels across the frequency bands. Selectable high-frequency boost compensates for screen loss or constant-directivity horns, and a subsonic filter protects woofers from damaging over-exursion at frequencies below box tuning.

Filter and delay settings are user-programmable via a row of DIP switches.

**Compatible amplifier models**

- MXa models
- Legacy CX models CX6, CX6T, CX12, and CX12T

**Features**

- Fourth-order Linkwitz-Riley filter alignment
- 24 dB/octave roll-off slopes
- Selectable 500 and 800 Hz crossover frequencies
- Mounts to amplifier's input accessory slot; virtually tamper-proof
- Adds crossover and processing functions without requiring additional rack space, cabling, or AC outlets
- Precision components for accurate performance
- Active balanced inputs
- Selectable high-frequency boost for screen loss compensation or CD horn equalization
- Subsonic filter (30 Hz) for woofer protection
- Delays for time-aligning woofers with small- or large-format horns



*Specifications subject to change without notice.*



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<b>XC-1 SPECIFICATIONS</b>	<b>XC-1</b>
<b>GENERAL INFORMATION</b>	
<i>Operating temperature</i>	0-70° C
<i>Input type, each channel</i>	Electronically balanced differential
<i>Input impedance</i>	20.0 kΩ balanced; 10.0 kΩ unbalanced
<b>CONTROLS</b>	
<i>Crossover frequency, delay, HF boost</i>	8-position and 10-position DIP switches
<i>High frequency level</i>	Trimpot, externally accessible; 0-20 dB attenuation
<b>CONNECTORS</b>	
<i>Input/output/power</i>	16-pin ribbon cable
<b>GENERAL AUDIO</b>	
<i>Crossover frequency</i>	500 or 800 Hz, DIP selectable
<i>Time alignment delay</i>	0.7 ms (small-format horn) or 1.9 ms (large-format horn), DIP selectable
<i>Screen loss compensation</i>	High-frequency boost, DIP defeatable
<i>Constant directivity horn EQ</i>	Small and large CD horn, DIP selectable

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