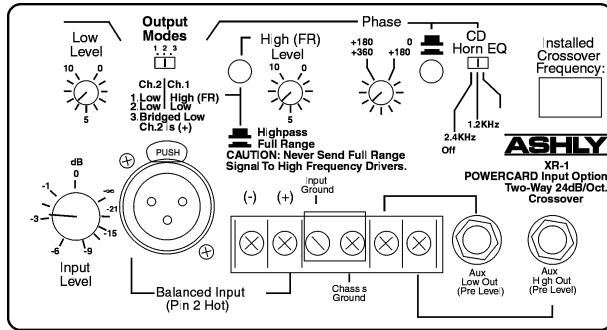
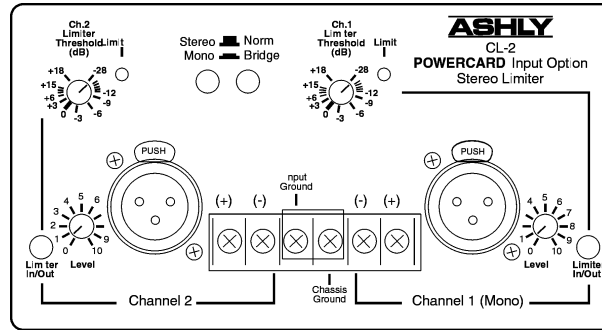


**Crossover Input Option**



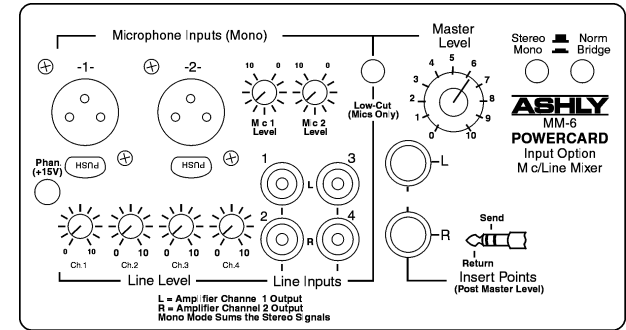
- 24dB/Octave Filters
- 20Hz Low Cut Filter
- 360° Phase Control
- Internally Adjustable Frequency
- CD Horn EQ Switching
- Auxiliary Outputs

**Stereo Limiter Input Option**



- Adjustable Threshold (Peak Detect) with Indicator LED
- 10:1 Ratio for Driver Protection
- Stereo, Mono, and Bridged Mono Switching
- Balanced Inputs

**Stereo Mixer Input Option**



- 2 Stereo or 4 Mono Line Inputs
- 2 Mic Inputs with Low-Cut Filter
- Switchable Phantom Power
- Stereo, Mono, and Bridged Mono Switching
- Insert Points on Both Channels

**ARCHITECTS SPECIFICATIONS**

**Crossover Input Option**

The unit shall be an active balanced, stereo two-way 24dB per octave Butterworth-type electronic crossover input option. It shall have an input impedance >10K ohm, maximum input level of +20dBu, internally selectable crossover frequencies of 500Hz, 800Hz, and 1.2kHz, and a frequency response ± .5dB within passbands. The unit shall have 0-360° phase lead adjustment on high output, and subsonic filtering of 18dB/Octave 20Hz HPF on low output. The unit shall have a CD Horn EQ of 6dB/Octave high frequency boost (shelving), switch selectable to 1.2kHz, 2.4kHz, and OFF. The unit shall have a THD of <.05% 20Hz to 20kHz at +7dBu, and Crossover Output Noise of <-95dBu unweighted. The unit shall have 10k ohm unbalanced high and low auxiliary high and low outputs, and connectors that allow direct connection to the Amplifier Input Option slot on selected Ashly Power Amplifiers. The unit shall be an Ashly Crossover Amplifier Input Option. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above specifications are fully met or exceeded.

**Stereo Limiter Input Option**

The unit shall be a stereo active balanced limiter input option. The unit shall have an input impedance of 10k ohm, a maximum input level of +18dBu, a frequency response of ± .2dB 20Hz to 20kHz, a THD of <.05% 20Hz to 20kHz at +7dBu. The unit shall have a limit threshold range of -28dBu to +18dBu, a limit ratio of approximately 10:1, increasing at higher input levels, an attack time of 0.2µsec, a release time of 2 seconds, and limiter output noise of -90dBu, 20Hz to 20kHz unweighted. The unit shall have connectors that allow direct connection to the Amplifier Input Option slot on selected Ashly Power Amplifiers. The unit shall be an Ashly Stereo Limiter Amplifier Input Option. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above specifications are fully met or exceeded.

**Stereo Mixer Input Option**

The unit shall be a stereo mixer with two 2.4k ohm active balanced inputs and four 10k ohm (nominal) unbalanced line inputs. The unit shall have a maximum mic input level of 0dBu, a maximum mic input gain of +57dB, maximum line input level of +28dBu and maximum line input gain of +22dB. The unit shall have a crosstalk of <-70dB @ 1kHz, and -45dB @ 20kHz. The unit shall have THD of <.01% 20Hz to 20kHz @ 0dBu input level. The unit shall have a mixer noise of <-96dBu all levels full CCW, and <-70dBu master and one mic level @ nominal, as well as an equivalent input noise of <-116dBu (mic inputs). The unit shall have connectors that allow direct connection to the Amplifier Input Option slot on selected Ashly Power Amplifiers. The unit shall be an Ashly Stereo Mixer Amplifier Input Option. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above specifications are fully met or exceeded.

### General Specifications Crossover Input Option

Input Type:	Active balanced	Subsonic Filtering:	18dB/octave 20Hz HPF on low output
Input Impedance:	>10k ohm	CD Horn EQ:	6dB/octave high frequency boost (shelving), switch selectable to 1.2kHz, 2.4kHz, and OFF
Maximum Input Level:	+20dBu	THD:	< .05% 20Hz to 20kHz at +7dBu
Crossover Filter Types:	Two way 24dB/octave Butterworth	Crossover Output Noise:	< -95dBu unweighted
Frequency Response:	±.5dB within passbands	Auxiliary Outputs:	10k ohm unbalanced high and low outputs
Crossover Frequencies:	Internally selectable at 500Hz, 800Hz, Or 1.2kHz		
Phase Alignment:	0-360° phase lead adjustment on high output		

### General Specifications Stereo Limiter Input Option

Input Type:	Active balanced	Attack Time:	0.2 µsec
Input Impedance:	>10k ohm	Release Time:	2 sec
Maximum Input Level:	+18dBu	Frequency Response:	± .2dB, 20Hz to 20kHz
Limit Threshold Range:	-28dBu to +18dBu	THD:	< .05%, 20Hz to 20kHz at +7dBu
Limit Ratio:	Approximately 10:1, increasing at higher input levels	Limiter Output Noise:	< -90dBu, 20Hz to 20kHz unweighted

### General Specifications Stereo Mixer Input Option

Mic Inputs:	Two 2.4k ohm active balanced inputs	Crosstalk:	< -70dB at 1kHz, < -45dB at 20kHz
Maximum Mic Input Level:	0dBu	THD:	< .01%, 20Hz to 20kHz at 0dBu input level
Maximum Mic Input Gain:	+57dB	Mixer Output Noise:	< -96dBu all levels full CCW
Line Inputs:	Four 10k ohm (nominal) unbalanced inputs		< -70dBu master and one mic level at nominal
Maximum Line Input Level:	+28dBu	Equivalent Input Noise:	< -116dBu (mic inputs)
Maximum Line Input Gain:	+22dB		

## Applications:

These Amplifier Input Options are designed to be installed in Ashly FTX and MFA Series Power Amplifiers. They are suitable for use in Churches, Studios, Concerts, Dance/Night Clubs, PA Systems, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals and many other applications.

Ashly manufactures a complete and comprehensive line of Graphic and Parametric Equalizers, Electronic Crossovers, Power Amplifiers, Compressor-Limiters, Mixers, and Amplifier Input Options. Please call, write or visit our web site for information on any of these Ashly Products.

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