

Crossovers - XR Series

XR-1001 STEREO 2-WAY, MONO 3-WAY



XR-2001 STEREO 3-WAY, MONO 4/5-WAY



XR-4001 STEREO 4-WAY



The XR Series II crossover feature 24dB per octave filters, infinitely variable crossover frequency and response, as well as both 1/4" TRS phone jacks and XLR connectors for all inputs and outputs. Output Mute switches on each channel are included for convenient and accurate setup operation, and a peak overload indicator monitors all critical points in the circuit to ensure low-distortion operation. A recessed switch on the front panel with an LED indicator allows for either normal or "divide by ten" frequency selection.

The XR Series II models feature Ashly's exclusive "Response" control, allowing the user to select the best performance for a given application. The purpose of this control is to help offset the inaccuracies inherent in typical loudspeakers, where many anomalies can occur at the crossover point. This Response control adjusts the damping of the filter, affecting its shape near the crossover point. The "Butterworth" response, for instance, results in a gentle 3dB rise when the two filter output signals are combined. Similarly, a "6dB" setting produces a "Linkwitz-Riley" response for flat summing. Other responses are possible to correct for driver, cabinet, and room problems at the crossover point. No other crossover offers the ability to dynamically shape filter response as precisely. For the ultimate in sound system control and accuracy, the XR Series II models are the logical choice.

The XR-1001 is a stereo two-way or mono three-way crossover. The XR-2001 offers the unique ability to operate as a stereo three-way or mono four- (or five-) way, or even as a four-channel two-way configuration for bi-amplifying on-stage monitor systems. The XR-4001 fulfills the needs of four-way stereo setups. All Ashly crossovers are U.L. Listed and backed by our exclusive Five Year Worry-Free Warranty.

FEATURES:

- 24dB Per Octave Slopes
- Variable Filter Response Allows Tuning-In Linkwitz-Riley or Other Filter Performances
- Output Mute Switches
- XLR and 1/4" Inputs and Outputs
- 20Hz Third Order Hi-Pass Filter
- Extra Wide Tuning Range
- Peak Overload Warning Lights
- Tamperproof Security Covers Optionally Available

XR SPECIFICATIONS:

Input gain:	∞ - +8dB
Response control:	1.5dB-12dB
Output gain:	∞ - +15dB
Input impedance:	20k Ohms balanced
Max. input level:	+23dBu
Max. output level:	+23dBu
Output impedance:	200ohms quasi-balanced
Frequency response:	20Hz-20kHz, \pm .5dB
Distortion:	<.05% THD +20dBu, 20Hz-20kHz
Slew rate:	6V/ μ S
Hum and noise (unweighted):	-90dBu
Power requirements:	92-120VAC, 50-60Hz, 5W (240W available)
Dimensions:	
XR-1001:	19" L x 1.75" H x 6" D
XR-2001:	19" L x 3.5" H x 6" D
XR-4001:	19" L x 3.5" H x 6" D
Shipping weight:	
XR-1001:	8 lbs
XR-2001:	10 lbs
XR-4001:	10 lbs

