

# ASHLY

## 24dB Per Octave Electronic Crossovers

models XR-1000, XR-2000, XR-3000, XR-4000



XR-1000 Stereo 2-way/Mono 3-way



XR-2000 Stereo 3-way/ Mono 4 or 5-way/4 Channel 2-way



XR-3000 Mono 4-way



XR-4000 Stereo 4-way

**A**shly's 24dB per octave Electronic Crossovers are the most flexible crossovers available. Each features Ashly's exclusive Variable Filter Response control which allows you to "tune in" the response best suited to your particular application. Whatever your system configuration (long-throw, short-throw, etc.), the Variable Filter Response permits you to "customize" filter performances such as Linkwitz-Riley, Butterworth and others.

A 20Hz high-pass filter is built into each crossover, protecting sound systems from extreme low frequency interference or transients which could damage components.

XLR inputs and outputs may be used balanced or unbalanced, and utilize the industry standard wiring configuration for interconnection to any professional equipment. Also, a special electronic power monitor for the output stages prevents turn-on transients without the use of relays.

The **XR-1000** provides stereo 2-way or mono 3-way operation. The **XR-2000** offers the unique ability to be used as a stereo 3-way, mono 4 or 5-way, four-channel 2-way (great for stage-monitor multiple mixes), or other esoteric combinations to fit almost any application. Tuning range on both the **XR-1000** and **XR-2000** is 40Hz to 8kHz.

The **XR-3000** is a mono 4-way crossover and the **XR-4000** is a stereo 4-way version. Both the **XR-3000** and the **XR-4000** have an extra-wide tuning range of 40Hz to 24kHz for special applications.

All Ashly Electronic Crossovers use state-variable filter circuits to perform the frequency divisions, which provide simultaneous low-pass and high-pass outputs. The logical layout of the control panels provides an intuitive "easy operation" feel, and LED's visually indicate peak indication as well as provide functional status information. Our electronic crossovers, like all Ashly products, are now protected by our exclusive five-year worry-free warranty.

**Five-Year  
Worry-Free Warranty**

**24dB Per  
Octave Slopes**

**Variable Filter  
Response  
Allows Tuning In  
Linkwitz-Riley,  
Butterworth  
or Other Filter  
Performances**

**Available with Either  
Balanced XLR or  
1/4" Phone/TRS  
Inputs/Outputs**

**20Hz Hi-Pass Filter**

**Extra Wide  
Tuning Range**

**Peak Overload  
Warning Lights**

**Tamper-Proof Security  
Covers Optionally  
Available**

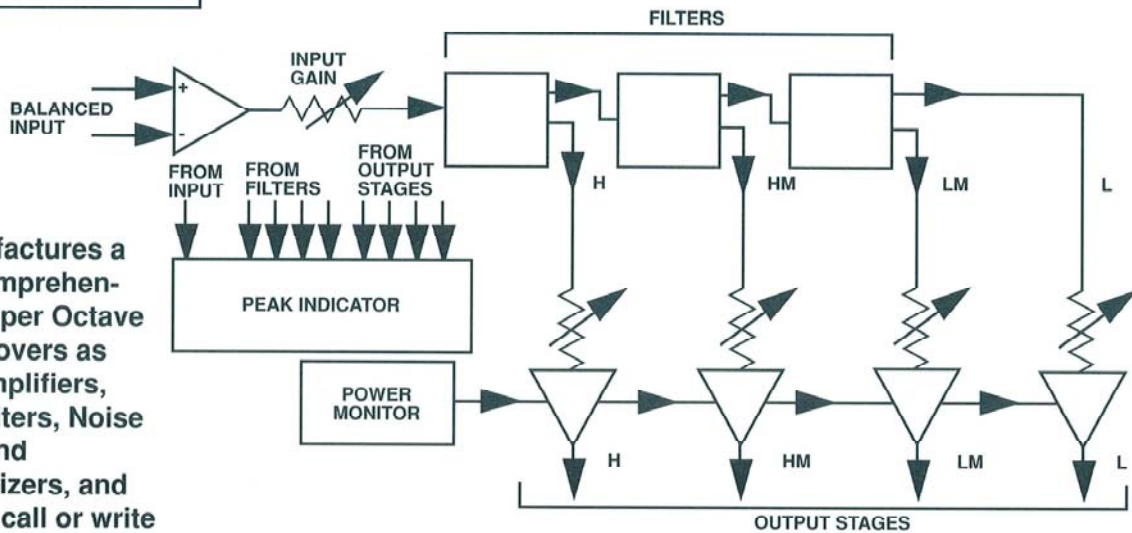
# Specifications

## CONTROLS

Input Level:  $\infty$  - +6dB  
 Response Control: 1.5dB - 12dB  
 Output Level:  $\infty$  - +20dB

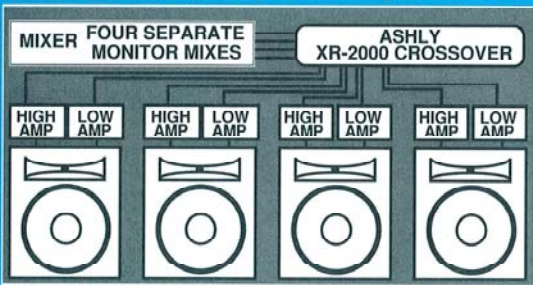
Input Impedance: 10k $\Omega$  balanced bridging  
 Maximum Input Level: +26dBm  
 Maximum Output Level: +20dBm  
 Frequency Response:  $\pm$ .5dB 20Hz-20kHz  
 Distortion: <.05% THD  
 Slew Rate: 6V/ $\mu$ S  
 Hum and Noise: -90dBv  
 Power Requirements: 120VAC, 50-60Hz, 5W  
 Size: XR-1000, XR-3000: 19"L x 1.75"H x 6"D  
 XR-2000, XR-4000: 19"L x 3.5"H x 6"D  
 Shipping Weight: XR-1000, XR-3000: 8 lbs.  
 XR-2000, XR-4000: 10 lbs.

## Block Diagram XR-3000



Ashly also manufactures a complete and comprehensive line of 12dB per Octave Electronic Crossovers as well as Power Amplifiers, Compressor/Limiters, Noise Gates, Graphic and Parametric Equalizers, and Preamps. Please call or write for information on any of these Ashly Products.

Typical Hookup Of XR-2000 in 4-Channel, Two-Way Operation (Multiple-Mix Stage Monitors)



Typical Hookup Of XR-1000 in Mono, Three-Way Operation



Typical Hookup Of XR-1000 in Stereo, Two-Way Operation



Ashly Audio Inc.

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