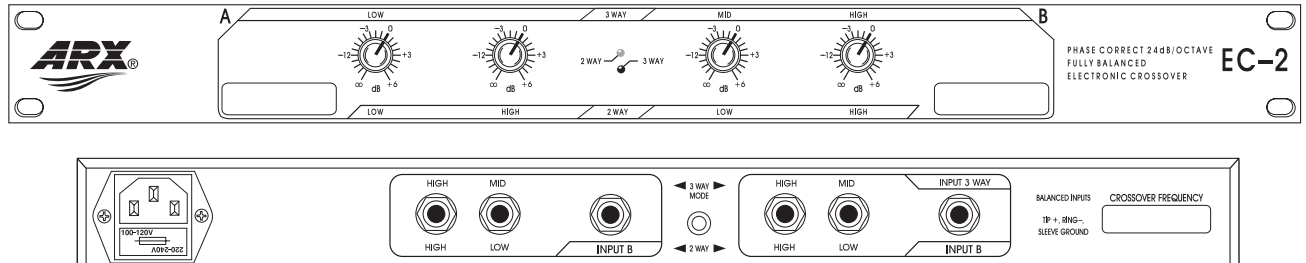


EC-1

Stereo 2 way, Mono 3 way
24dB Electronic Crossover



<http://www.arx.com.au>



The ARX EC-1 and EC-2 are both flexible yet affordable 24 dB per octave Phase Correct electronic crossovers.

They have 2 modes of operation; as either Stereo 2 way or a Mono 3 way units, with a switch on the back panel selecting either mode.

• Tamper-Proof Crossover Points

The crossover points are determined internally by the value of 4 resistors per channel; changing the resistor value changes the crossover point. This 'semi fixed' method avoids the pitfalls of externally adjusted crossover points, making the crossover points tamper-proof once they are set.

As a handy guide, a list of common crossover points and their corresponding resistor values are printed inside the unit's lid, and also set out in the Owner's Manual.

On the front panel are level controls for Low and High in dual channel 2 way mode, and Low, Mid and High in single channel 3 way mode, with corresponding Outputs on the rear panel.

• Balanced Inputs (and Outputs)

The EC-1 has electronically Balanced Inputs, on TRS jack connectors, and the EC-2 has Balanced Inputs *and* Outputs, on XLR connectors.

The EC-2 also has an additional summed Mono Low output, for applications that need a Mono Low feed (e.g. Left and Right full-range plus a single Sub Bass speaker).

• High Pass Filter

Both models feature a preset 30 Hz HighPass filter to remove unwanted subsonics which can damage speakers and waste amplifier power.

In addition, each output has up to +6 dB of gain available, to compensate for amplifiers and speakers of differing sensitivities.

• Universal AC Power

AC power range is a universal 100 to 120V or 220 to 240VAC, and is connected to the unit via a standard IEC connector, with built-in fuse and voltage change switch.

• Uncompromising Audio Quality

Innovative circuit design is pointless unless it delivers stunning sound quality, and here the EC-1 and EC-2 excel. Both are designed for uncompromising audio quality, and to achieve this, Linkwitz Riley 24dB (Fourth Order) state variable filters are used throughout their circuitry. This ensures a smooth Phase Correct transition through the crossover region.

From Stage Monitors to Studio Monitors, from Front of House to the Front room of your House, the ARX EC-1 and EC-2 are both crossovers that are suited to any application that requires flawless, transparent sound.

Features

- Ultra low noise circuitry
- Totally phase aligned at crossover point
- Switchable Dual Channel 2 way or Single Channel 3 way
- Unique 'semi-fixed' crossover point
- 24dB per octave (Fourth Order) Linkwitz-Riley filters
- Separate Summed Mono Output on EC-2)
- Balanced Inputs, (and Outputs on EC-2)
- Built in High Pass filters
- Intuitive, 'user friendly' layout
- Flawless performance in any audio environment
- Security cover available

