Active Crossover
A 5350 2 Way Stereo / 3 Way Mono plus Subwoofer

Features

- 1U 19" rack mount
- Stereo 2-way / Mono 3-way
- Adjustable input and output gains
- Balanced XLR inputs and outputs
- Separate subwoofer output (20Hz to 200Hz)
- 45Hz to 960Hz or 450Hz to 9.6kHz filter point adjustment
- 24db/octave Linkwitz-Riley filter
- Phase invert on low/mid/high
- Low-cut selector

Adjustable Active Crossover

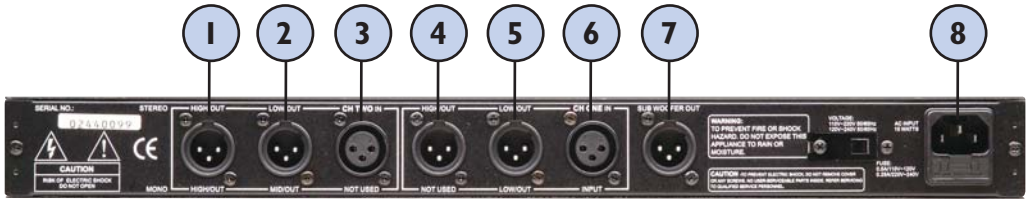
Ideal for tuning large multi-amp PA systems.

This rack mount active crossover may be configured in either stereo 2-way or mono 3-way mode. Designed to be used in a multi-amplifier, multi-speaker PA or front of house system, it accepts a balanced line input via XLR connectors on the rear panel. Output connectors are all balanced XLRs.

The crossover frequencies can be adjusted from 45 to 960Hz, with a x10 scale selector allowing adjustment from 450Hz to 9.6kHz. Gain controls are provided for inputs and for the separate low, mid and high bands. This flexibility allows the system output to be tuned, using the crossover, to suit the speaker system in use and the venue acoustics. Having established as linear a response as is possible by adjusting the crossover filter points and gains, an equaliser such as the A 5330 can be used to fine tune the system.

A separate subwoofer output socket and gain control is provided, with the subwoofer low-pass point adjustable from 20Hz to 200Hz. This output is available in either 2-way or 3-way mode. When using the subwoofer output, a “low cut” switch enables all frequencies below 40Hz to be cut from the other crossover outputs. In a multi-cabinet system this can be employed to protect the mid/bass drivers from damage caused by powerful sub-bass signals.

To provide further signal adjustment, phase invert switches may be used to reverse the polarity of the low, mid or high output signals.



Rear Panel Layout

Note: All inputs and outputs are 3 pin balanced XLR.

1: High/out XLR
2. Low/mid/out XLR
3. Ch. 2 input XLR
4. High/out XLR
5. Low/out XLR
6. Ch. 1 input XLR
7. Subwoofer out XLR
8. 240V AC input

Electronic Specifications

Input: .....XLR 3 pin balanced 50kΩ
Max input level: .....+22dBu typical
Output:.....XLR 3 pin balanced 200kΩ
Max output level: .....+21dBu typical
Bandwidth:.....20Hz to 20kHz
Frequency response:.....3Hz to 90kHz
Dynamic range:.....>106dB unweighted
Distortion: .....< 0.004% @ 1kHz
Interchannel crosstalk: .....<-80dB
S/N ratio:
Low: .....>94dB
Mid: .....>93dB
High:.....>91dB

Stereo crossover range:
Low/high: .....45-960Hz or 450Hz-9.6kHz
Mono crossover range:
Low/mid: .....45-960Hz or 450Hz-9.6kHz
Mid/high:.....45-960Hz or 450Hz-9.6kHz
Subwoofer (mono or stereo):.....20Hz to 200Hz
Filter type:.....Linkwitz-riley, 24dB/octave
Controls:.....Low cut, Phase invert,
.....x10 scale, mono/stereo mode,
.....Stereo/summed selector
Power supply:.....240V AC
Dimensions:.....483W x 175D x 44H
Weight: 2Kg