

C223+

2-WAY, 3-WAY CROSSOVERS

DESCRIPTION

The C223+ is a 1U Stereo two-way/mono three-way active crossover.



FEATURES

- Front Panel
 - 2 x Input gain control
 - 2 x Low/high frequency selector
 - 2 x Low output gain control
 - 2 x High output gain control
 - 2 x Phase inversion switch
 - 2 x 40Hz low cut switch
- Rear Panel
 - 2 x Balanced XLR input connectors
 - 4 x Balanced XLR output connectors
 - Two-way stereo or three-way mono crossover via switch
 - Switch to select normal or summed low frequency output
 - Switch to select between 1x or 10x frequency

TECHNICAL SPECIFICATIONS

Input

Connectors:	XLR
Type:	Electronically balanced/unbalanced, RF filtered
Impedance:	Balanced >50KΩ, unbalanced >25KΩ
Max input level:	+22dBu typical, balanced or unbalanced
CMRR:	>40dB, typically >55dB at 1KHz

Output

Connectors:	XLR
Type:	Electronically balanced/unbalanced, RF filtered
Impedance:	Balanced 200Ω, unbalanced 30Ω
Max input level:	>+20dBu balanced/unbalanced into 600 Ohm or greater

Performance

Bandwidth:	20Hz to 20KHz, +0/-0.5dB
Frequency response:	<3Hz to >90KHz, ±3dB
Signal-to-noise:	Ref: +4dBu, 22KHz measurement bandwidth
Dynamic range:	>106dB, unweighted, any output
THD+noise:	<0.004% at +4 dBu, 1KHz <0.04% at +20 dBu, 1KHz
Interchannel crosstalk:	<-80dB, 20Hz to 20KHz

Crossover Frequencies

Stereo mode

low/high: 45 to 960Hz or 450Hz to 9.6KHz(x10 setting)

Mono mode

Low/mid: 45 to 960Hz or 450Hz to 9.6KHz(x10 setting)

Mid/high: 45 to 960Hz or 450Hz to 9.6KHz(x10 setting)

Filter type: Linkwitz-Riley, 24dB/octave,

Power Supply