



Technical Specifications



SUPER-X PRO CX3400

High-Precision Stereo 2-Way/3-Way/Mono 4-Way Crossover with Limiters, Adjustable Time Delays and CD Horn Correction

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High-Precision Stereo 2-Way/3-Way/Mono 4-Way Crossover with Limiters, Adjustable Time Delays and CD Horn Correction

- Professional stereo 2-way/3-way/mono 4-way crossover featuring state-of-the-art Linkwitz-Riley filters with 24 dB/octave
- Individual Limiters on each output for optimal loudspeaker protection
- Adjustable time delay for phrase alignment between drivers
- CD horn equalization for constant directivity horn compensation
- Absolutely flat summed amplitude response, zero phase difference
- "Low Sum" function provides mono output for subwoofer operation
- Individual output Gain controls for all brands
- Individual output Mute switches for easy band adjustment
- Individual Phase reverse switches for instant phase correction
- Switchable 25 Hz Low cut filter on each input for low-frequency driver protection
- Servo-balanced and gold plated XLR connectors for all inputs and outputs
- Ultra-high precision potentiometers for ultimate accuracy and repeatability
- Illuminated switches for secure operation in dark stage environments
- Shielded toroidal mains transformer for minimal noise interference
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

Specifications

Input

Connectors	XLR
Type	Electronically servo-balanced, RF filtered
Impedance	Balanced >50 kOhms, unbalanced >25 kOhms
Max. Input level	+22 dBu typical, balanced or unbalanced
CMRR	>40 dB, typically >55 dB at 1 kHz

Output

Connectors	XLR
Type	Electronically servo-balanced, RF filtered
Impedance	Balanced 60 Ohms, unbalanced 30 Ohms
Max. Output Level	+20 dBm balanced/unbalanced

Performance

Bandwidth	20 Hz to 20 kHz, +0/-0.5 dB	
Frequency Response	<5 Hz to >90 kHz, +0/-3 dB	
Signal to Noise	Ref.: +4 dBu, 20 Hz to 20 kHz, unweighted	
Low Output	Stereo Mode: >93 dBu	Mono Mode: >93 dBu
Low-Mid Output	>94 dBu	
Mid Output	>95 dBu	
High-Mid Output	>94 dBu	
High Output	>90 dBu	>88 dBu
Dynamic Range	>106 dB, unweighted	
THD & Noise	Limiter Off: <0.04%	Limiter On: <0.5
Interchannel Crosstalk	High to Low: High to Mid: Mid to Low: High to High-Mid: High-Mid to Low-Mid: Low-Mid to Low:	<93 dB <94 dBu <95 dBu <95 dBu <95 dBu <92 dBu

Crossover

Filter Type	Linkwitz-Riley, 24 dB/Octave, state-variable	
Stereo Mode Frequencies	x1	x10
Low/High	44 to 930 Hz	440 Hz to 9.3 kHz
Low/Mid	44 to 930 Hz	440 Hz to 9.3 kHz
Mid/High	440 Hz to 9.3 kHz	
Mono Mode Frequencies	x1	x10
Low/Low-Mid	44 to 930 Hz	440 Hz to 9.3 kHz
Low-Mid/High-Mid	440 Hz to 9.3 kHz	
High-Mid/High	440 Hz to 9.3 kHz	

Function Switches**Front Panel**

Low Cut	Activates 25 Hz Butterworth, 12 dB/Octave high-pass filter
Mute	Mutes the individual output
Phase Invert	Inverts the phase at the individual output
CD Horn	Corrects CD horn frequency response above 3.5 kHz
Limiter	Activates the limiter function for all outputs

Rear Panel

Xover Frequency	Multiplies crossover frequency range by 10
Mode	Selects stereo/mono and 2/3/4-way operation
LF Sum	Selects normal stereo or mono-summed low frequency operation ON=Channel 1 + 6dB louder / Channel 2: the same as before

Controls

Input	Controls the input gain (+/-12 dB)
Xover Frequency	Controls the crossover frequency
Delay	Controls the delay at the low output (0 to 2 msec.)
Gain	Controls the output gain (+/-6 dB)
Threshold	Controls the threshold of the limiter (-6 dB to OFF)

Power Supply**Mains Voltages**

USA/Canada	120 V~, 60 Hz
U.K./Australia	240 V~, 50 Hz
Europe	230 V~, 50 Hz
General Export Model	100 - 120 V~, 200 - 240 V~, 50 - 60 Hz
Power Consumption	max. 22 W
Fuse	100 - 120 V~: T 630 mA H 200 - 240 V~: T 315 mA H
Mains Connection	Standard IEC receptacle

Physical

Dimensions	44.5 x 482.6 x 217 mm (1.75 x 19 x 8.5")
Net Weight	2.5 kg (5.5 lbs)
Shipping Weight	3.5 kg (7.7 lbs)

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