



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	
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Stereo Mode Frequencies **x1** **x10**

Low/High	44 to 930 Hz	440 Hz to 9.3 kHz
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Low/Mid	44 to 930 Hz	440 Hz to 9.3 kHz
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Mid/High	440 Hz to 9.3 kHz	
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Mono Mode Frequencies **x1** **x10**

Low/Low-Mid	44 to 930 Hz	440 Hz to 9.3 kHz
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Low-Mid/High-Mid	440 Hz to 9.3 kHz	
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High-Mid/High	440 Hz to 9.3 kHz	
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Function Switches**Front Panel**

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

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

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

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

Dimensions	1 ¾ x 19 x 8 ½" / 44.5 x 482.6 x 217 mm
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Net Weight	2.5 kg
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Shipping Weight	3.5 kg
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