

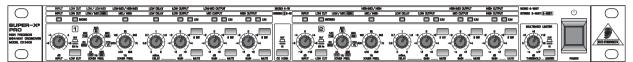
Technical Specifications

VERSION 1.2 November 2000



SUPER-X® PRO

HIGH-PRECISION STEREO 2-WAY / 3-WAY / MONO 4-WAY CROSSOVER WITH LIMITERS MODEL CX 3400



- ▲ Professional high-precision stereo 2-way/3-way/mono 4-way crossover
- ▲ World-class performance Linkwitz-Riley filters with 24 dB/octave
- ▲ Absolutely flat summed amplitude response, zero phase difference
- ▲ Individual output Gain controls for all bands
- ▲ Individual Limiter on each output for optimal loudspeaker protection
- ▲ 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
- ▲ "Low Sum" function provides low-level mono output for subwoofer operation
- ▲ Adjustable time delay for phase alignment between drivers
- ▲ CD horn equalization for constant directivity horn compensation
- ▲ Servo-balanced, gold-plated XLR connectors for all inputs and outputs
- ▲ Ultra high precision potentiometers for ultimate accuracy and repeatability
- ▲ Ultra low-noise 4580 audio operational amplifiers for outstanding sound performance
- ▲ 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

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

OUTPUT

Connectors XI R

Electronically servo-balanced, RF filtered Type Balanced 60 Ohms, unbalanced 30 Ohms Impedance

Max. Output Level +20 dBm balanced/unbalanced

PERFORMANCE

20 Hz to 20 kHz, +0/-0.5 dB Bandwidth Frequency Response <5 Hz to >90 kHz, +0/-3 dB

Ref.: +4 dBu, 20 Hz to 20 kHz, unweighted Signal to Noise Mono Mode:

Stereo Mode: Low Output >93 dBu >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 Limiter On <0.04% < 0.5

<93 dB High to Low: <94 dBu High to Mid: <95 dBu Mid to Low: <95 dBu High to High-Mid:

High-Mid to Low-Mid: <95 dBu Low-Mid to Low: <92 dBu

CROSSOVER

Interchannel Crosstalk

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

Low/Mid 44 to 930 Hz 440 Hz to 9.3 kHz 440 Hz to 9.3 kHz

Mid/High

Mono Mode Frequencies x10

44 to 930 Hz Low/Low-Mid Low-Mid/High-Mid 440 Hz to 9.3 kHz) 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

Mutes the individual output Mute

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

Controls the input gain (+/-12 dB) Input Xover Frequency Controls the crossover frequency

Controls the delay at the low output (0 to 2 msec.) Delay

Controls the output gain (+/-6 dB) Gain

Controls the threshold of the limiter (- 6 dB to OFF) Threshold

POWER SUPPLY

120 V ~, 60 Hz 240 V ~, 50 Hz 230 V ~, 50 Hz USA/Canada Mains Voltages U.K./Australia

Europe General Export Model

100 - 120 V ~, 200 - 240 V ~, 50 - 60 Hz max. 22 W

Power Consumption

100 - 120 V ~ : **T 630 mA H** 200 - 240 V ~ : **T 315 mA H** Standard IEC receptacle Fuse

Mains Connection

PHYSICAL

Dimensions 1,75" (44,5 mm) * 19" (482,6 mm) * 8,5" (217 mm)

Net Weight 3 kg Shipping Weight 4,3 kg

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