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You can read the recommendations in the user guide, the technical guide or the installation guide for BEHRINGER CX3400. You'll find the answers to all your questions on the BEHRINGER CX3400 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Technical Specifications

VERSION 1.2 November 2000

ENGLISH



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Manual abstract:

2 November 2000 Version 1.1 May 2000 SUPER-X PRO ® www.behringer.com ENGLISH SUPER-X PRO CX3400 SUPERX PRO ® HIGH-PRECISION STEREO 2-WAY / 3-WAY / MONO 4-WAY CROSSOVER WITH LIMITERS MODEL CX 3400 CX3400 = 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 2 SPECIFICATIONS

INPUT Connectors Type Impedance Max. Input level CMRR OUTPUT Connectors Type Impedance Max. Output Level PERFORMANCE Bandwidth Frequency Response Signal to Noise Low Output Low-Mid Output Mid Output High-Mid Output High Output Dynamic Range THD & Noise Interchannel Crosstalk XLR Electronically servo-balanced, RF filtered Balanced >50k Ohms, unbalanced >25k Ohms +22 dBu typical, balanced or unbalanced >40 dB, typically >55 dB at 1 kHz XLR Electronically servo-balanced, RF filtered Balanced 60 Ohms, unbalanced 30 Ohms +20 dBm balanced/unbalanced 20 Hz to 20 kHz, +0/-0.5 dB <5 Hz to >90 kHz, +0/-3 dB Ref.: +4 dBu, 20 Hz to 20 kHz, unweighted Stereo Mode: Mono Mode: >93 dBu >93 dBu >94 dBu >95 dBu >94 dBu >90 dBu >88 dBu >106 dB, unweighted Limiter Off Limiter On <0.04% <0.5 High to Low: <93 dB High to Mid: <94 dBu Mid to Low: <95 dBu High to High-Mid: <95 dBu High-Mid to Low-Mid: <95 dBu Low-Mid to Low: <92 dBu Linkwitz-Riley, 24 dB/Octave, state-variable x1 x10 44 to 930 Hz 440 Hz to 9.

3 kHz 44 to 930 Hz 440 Hz to 9.3 kHz 440 Hz to 9.3 kHz x1 x10 44 to 930 Hz 440 Hz to 9.3 kHz) 440 Hz to 9.3 kHz 440 Hz to 9.3 kHz CROSSOVER Filter Type Stereo Mode Frequencies Low/High Low/Mid Mid/High Mono Mode Frequencies Low/Low-Mid Low-Mid/High-Mid High-Mid/High FUNCTION SWITCHES Front Panel Low Cut Mute Phase Invert CD Horn Limiter Rear Panel Xover Frequency Mode LF Sum CONTROLS Input Xover Frequency Delay Gain Threshold POWER SUPPLY Mains Voltages Activates 25 Hz Butterworth, 12 dB/Octave high-pass filter Mutes the individual output Inverts the phase at the individual output Corrects CD horn frequency response above 3.5 kHz Activates the limiter function for all outputs Multiplies crossover frequency range by 10 Selects stereo/mono and 2/3/4-way operation Selects normal stereo or mono-summed low frequency operation ON=Channel 1 + 6dB louder / Channel 2: the same as before Controls the input gain (+/-12 dB) Controls the crossover frequency Controls the delay at the low output (0 to 2 msec.) Controls the output gain (+/-6 dB) Controls the threshold of the limiter (- 6 dB to OFF) USA/Canada U.K./Australia Europe General Export Model max.

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