

PCX3000

High Precision Stereo 2-Way Mono 3-Way Crossover



Features

- ▶ World-class performance 24dB per octave Linkwitz-Riley filters
- ▶ Switchable 25Hz subsonic filter on each input for low frequency driver protection
- ▶ Separate subwoofer section with independent frequency control
- ▶ Absolutely flat summed amplitude response, zero phase difference
- ▶ Individual output level controls for all bands
- ▶ Individual output mutes for easy band adjustment
- ▶ Individual phase reverse switches for instant phase correction
- ▶ Servo-balanced, XLR connectors for all inputs and outputs
- ▶ High precision potentiometers for accuracy and repeatability
- ▶ Low-noise audio operational pre-amplifiers for outstanding sound performance
- ▶ Illuminated switches for operation in dark environments
- ▶ High-quality components and exceptionally rugged construction for prolonged reliability
- ▶ Shielded toroidal mains transformer for minimal noise interference

Description

Phonic's PCX3000 is the authentic soundman's crossover for front of house or monitoring systems in all applications – from studio to live environments. Featuring 24dB/octave, state-variable Linkwitz-Riley filters giving you absolute frequency separation. Totally flat summed amplitude response with zero phase difference. Independent IGC limiter per output and adjustable time delay for phase alignment between drivers with phase reverse switch. Switchable 25Hz subsonic filter; switchable EQ; Low Sum function; servo-balanced XLR connectors (2 in, 5 out).

Dimensions



Specifications

Audio Inputs			High to Low: <93 dB
Connectors	XLR		High to Mid: <95 dB
Type	Electronically servo-balanced, HF filtered		Mid to Low: <96 dB
Input Impedance	Balanced >50 kohm, unbalance >25 kohm		
Max. Input Level	+22 dBu typical, balanced or unbalanced		
CMRR	>40dB, typical >55dB at 1 kHz		
Audio Outputs			
Connectors	XLR		
Type	Electronically servo-balanced, HF filtered		
Output Impedance	Balanced 60 ohm, unbalance 30 ohm		
Max. Output Level	+20 dBu, balanced or unbalanced		
Performance			
Bandwidth	20 Hz to 20 kHz, +0/-0.5 dB		
Frequency Response	<5 Hz to >60 kHz, +0/-3 dB		
Signal to Noise Ratio	Ref.: +4 dBu, 20 Hz to 20 kHz, unweighted		
	Stereo-Mode:	Mono-Mode:	
Low Output	>94 dB	>94 dB	
Mid Output		>96 dB	
High Output	>92 dB	>92dB	
Dynamic Range	>106 dB, unweighted		
THD & Noise	<0.04%		
Interchannel Crosstalk			
Crossover			
Filter-Type	Linkwitz-Riley, 24 dB/octave, state-variable		
Mono 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		
Stereo Mode Frequencies	x1	x10	
Low/High	44 to 930 Hz	440 Hz to 9.3 kHz	
USA/Canada	120V ~, 60 Hz		
Europe/U.K./Australia	230V ~, 50 Hz		
Japan	100V ~, 50-60 Hz		
Power Consumption	<20 W		
Fuses	100-120 V ~, T630 mA H		
	200-240V ~, T315 mA H		
Mains Connection	Standard IEC receptacle		
Dimensions	19" x 1.75" x 8.5" (482.6 x 44 x 217 mm)		
Net Weight	6.2 lbs (2.8 kg)		