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Professional Crossover

Precise Processing Power



PROCESSORS

XR-234 Professional Crossover

The IVA XR-234 2/3-way stereo / 4-way mono crossover is built with precision electronics and controls to give that precise division of frequencies to maximize an audio system's full potential in terms of balance, power and efficiency. A special low frequency summed output specifically for subwoofer applications ensure consistent bass frequencies throughout the system. This ensures that the bass is punchy and tight, vocals and instruments are rich, crisp and well defined while still providing the best protection for your speaker components.



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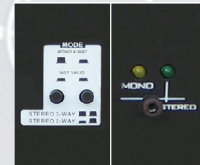
Features

- 2/3-way stereo / 4-way mono selection with LED indicator
- Selectable x1 or x10 crossover frequency ranges with LED indicators
- Low frequency summed output switch for mono subwoofer applications
- Individual phase invert switches for all outputs
- Individual gain controls for all outputs

Highlights



Summed Low Frequency



2 / 3 / 4 way mode



Phase Invert

SPECIFICATIONS		XR-234	
Inputs			
Connectors	XLR		
Type	Electronically balanced/unbalanced, RF filtered		
Impedance	Balanced > 50 kΩ, unbalanced > 25 kΩ		
Max Input Level	+22 dBu typical, balanced or unbalanced		
CMRR	>40 dB, typically > 55 dB at 1 kHz		
Outputs			
Connectors	NOT USE XLR NOT USED		
Type	Electronically-balanced/unbalanced, RF filtered		
Impedance	Balanced 60Ω, unbalanced 30Ω		
Max Output Level	>+20 dBu balanced/unbalanced into 600Ω or greater		
Performance			
Bandwidth	20 Hz to 20 kHz, +0/-0.5 dB		
Frequency Response	< 3 Hz to > 90 kHz, +0/-3 dB		
Signal-to-Noise	<10Hz to >50kHz, +0.5/-3dBk		
	Ref: +4 dBu, 22 kHz measurement bandwidth		
	Stereo Mode		Mono Mode
Low Output	> 94 dB		> 94 dB
Low-Mid Output			> 94 dB
Mid Output	> 93 dB		
High-Mid Output			> 92 dB
High Output	> 90 dB		> 88 dB
Dynamic Range	> 106 dB, unweighted, any output		
THD+Noise	< 0.004% at +4 dBu, 1 kHz		
	< 0.04% at +20 dBu, 1 kHz		
Interchannel Crosstalk	< -80 dB, 20 Hz to 20 kHz		
Crossover Frequencies			
<i>Stereo Mode</i>			
Low/High	45 to 960 Hz or 450 Hz to 9.6 kHz (x10 setting)		
Low/Mid	45 to 960 Hz or 450 Hz to 9.6 kHz (x10 setting)		
Mid/High	450 Hz to 9.6 kHz		
<i>Mono Mode</i>			
Low/Low-Mid	45 to 960 Hz or 450 Hz to 9.6 kHz (x10 setting)		
Low-Mid/High-Mid	450 Hz to 9.6 kHz		
High-Mid/High	450 Hz to 9.6 kHz		
Filter Type	Linkwitz-Riley, 24 dB/octave, state-variable		
Function Switches			
<i>Front Panel</i>			
Low Cut	Activates 40 Hz Butterworth, 12 dB/octave high-pass filter, one switch per channel		
Phase Invert	Inverts the phase at the output, one switch per output		
<i>Rear Panel</i>			
x10	Multiplies crossover frequency range by 10, one switch per channel		
Mode	Selects stereo/mono and 2/3/4-way operation		
LF Sum	Selects normal (stereo) or mono-summed low frequency operation		
Indicators			
Stereo Operation	Green LED		
Mono Operation	Yellow LED		
Low Cut	Red LED per channel		
x10	Green LED per channel		
Phase Invert	Red LED per output (3 per channel)		
Power Supply			
Operating Voltage	240 VAC 50/60Hz		
Power Consumption	15 Watts		
Mains Connection	IEC 320 receptacle		
Physical			
Dimensions (H x D x W)	1.75" X 6.9" X 19"		
Weight	1.8 kg		

• The manufacturer reserves the right to make changes or improvements in manufacturing or design which may affect specifications.

