

234XL

Stereo 2-way/3-way Mono 4-way Crossover

NTS



TECHNICAL SPECIFICATION

- Mode switch for stereo 2-way/3-way or mono 4-way operation
- Low frequency summed (subwoofer) output
- x10 range switch on both channel
- 40Hz high pass (low cut) filter both channel
- Phase reverse switch on all output
- Individual level control on all output
- 24dB/octave Linkwitz-Riley filter (the professional standard)
- Stereo/Mono status LED indicate the selected mode

INPUT

Connector XLR
 Type Electronically balanced/unbalanced, RF filtered
 Impedance Balanced > 50K Ω , unbalanced > 25K Ω
 Max Input Level > +21dBu balanced or unbalanced
 CMRR > 40dBu, typically > 50dB at 1KHz

OUTPUT

Connector XLR
 Type Impedance balanced/unbalanced, RF filtered
 Impedance Balanced 200 Ω , unbalanced 100 Ω
 Max Output Level .. > +21dBu balanced/unbalanced into 2K Ω or greater
 CMRR > 40dBu, typically > 50dB at 1KHz

SYSTEM PERFORMANCE

Bandwidth 20Hz to 20KHz, +0/-0.5dB
 Frequency Response < 3Hz to > 90KHz, +0/-3dB
 Signal to Noise Ref. +4dBu, 22KHz measurement bandwidth
 Stereo Mode
 : Low Output > 94dB
 : Mid Output > 93dB
 : High Output > 92dB
 Mono Mode
 : Low Output > 94dB
 : Low-Mid Output > 94dB
 : High-Mid Output > 92dB
 : High Output > 92dB
 Dynamic Range > 114dB, unweighted, any output

THD+Noise < 0.004% at +4dBu, 1KHz
 < 0.04% at +20dBu, 1KHz
 Interchannel Crosstalk < -80dB, 20Hz to 20KHz

CROSSOVER FREQUENCY

Stereo Mode

: Low/High 45Hz to 960Hz or 450Hz to 9.6KHz (x10 Setting)
 : Low/Mid 45Hz to 960Hz or 450Hz to 9.6KHz (x10 Setting)
 : Mid/High 450Hz to 9.6KHz

Mono Mode

: Low/Low-Mid 45Hz to 960Hz or 450Hz to 9.6KHz (x10 Setting)
 : Low-Mid/High-Mid 450Hz to 9.6KHz
 : High-Mid/High 450Hz to 9.6KHz
 Filter Type Linkwitz-Riley, 24dB/octave, state-variable

FUNCTION SWITCH

Front Panel

: Low Cut Activates 40Hz butterworth, 12dB/octave high-pass filter,
 one switch per channel
 : Phase Invert Inverts the phase at the output, one switch per output

Rear Panel

: 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

INDICATOR

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 230VAC 50Hz
 Power Consumption 15 Watts
 Main Connection IEC 320 receptacle

PHYSICAL

Dimension [HxWxD] 1.75" x 19" x 6.9" (4.4cm. x 48.3cm. x 17.5 cm.)
 Weight 4.0 lbs. (1.8 Kg.)
 Shipping Weight 5.8 lbs. (2.6 Kg.)