



TECHNICAL SPECIFICATION

- Type III Noise Reduction capable of restoring up to 20dB S/N ratio
- PeakPlus limiter for system protection
- Switchable range between +/-6dB and +/-15dB
- Balanced input and output
- XLR, barrier strip and 1/4" TRS connector
- -12dB/+12dB input gain range
- 18dB/octave 40Hz Bessel low cut filter
- Chassis/signal ground lift capability

INPUT

Connector 1/4" TRS, female XLR (pin 2 hot) and barrier terminal strip
 Type Electronically balanced/unbalanced, RF filtered
 Impedance Balanced 40KΩ, unbalanced 20KΩ
 Max Input Level > +21dBu balanced or unbalanced
 CMRR > 40dB, typically > 55dB at 1KHz

OUTPUT

Connector 1/4" TRS, male XLR (pin 2 hot) and barrier terminal strip
 Type Impedance balanced/unbalanced, RF filtered
 Impedance Balanced 120Ω, unbalanced 60Ω
 Max Output Level .. > +21dBu balanced/unbalanced into 2KΩ or greater
 > +18dBm balanced/unbalanced (into 600Ω)

SYSTEM PERFORMANCE

Bandwidth 20Hz to 20KHz, +0.5/-1dB
 Frequency Response < 10Hz to > 50KHz, +0.5/-3dB
 Noise Reduction In (+/-6dB and +/-15dB range)
 : Signal to Noise > 100dB, unweighted
 : Dynamic Range > 118dB, unweighted
 Noise Reduction Out (+/-6dB range)
 : Signal to Noise > 94dB, unweighted
 : Dynamic Range > 112dB, unweighted
 Noise Reduction Out (+/-15dB range)
 : Signal to Noise > 90dB, unweighted
 : Dynamic Range > 108dB, unweighted
 THD+Noise < 0.04%, 0.02% typical at +4dBu, 1KHz
 < 0.5% at 1KHz with 15dB gain reduction
 Interchannel Crosstalk < -80dB, 20Hz to 20KHz
 Noise Reduction Up to 20dB of dynamic broadband noise reduction

FUNCTION SWITCH

Type III NR Activate Type III Noise Reduction
 EQ Bypass Bypass the graphic equalizer section in the signal path
 Low Cut (recessed) .. Activate the 40Hz 18dB/octave Bessel high pass filter
 Range (recessed) .. Select either +/-6dB or +/-15dB slider boost/cut range

INDICATOR

Output Level 4 LED bar graph at -10, 0, +10 and +18dBu
 Gain Reduction 4 LED bar graph at 0, 3, 6 and 10dB
 Type III NR Active Yellow LED
 EQ Bypass Red LED
 Clip Red LED
 Low Cut Red LED
 +/-6dB Range Yellow LED
 +/-15dB Range Red LED

POWER SUPPLY

Operating Voltage 230VAC 50/60Hz
 Power Consumption 28 Watts
 Main Connection IEC receptacle

PHYSICAL

Dimension [HxWxD] 3.5" x 19" x 7.9" (8.9cm. x 48.3cm. x 20.1cm.)
 Weight 8.5 lbs. (3.9 Kg.)
 Shipping Weight 9.5 lbs. (4.3 Kg.)

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All features & specifications are subjected to change without notice.

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