

Features

- Fully Balanced Mic Input Transformer
- Fully Balanced Line Input Transformer
- Hi-Z Direct Instrument Input (TRS)
- Fully Transformer Balanced Output
- Discrete Class A Electronic Topology
- 48 V Phantom Mic Power
- 20 Position Swiss Made Mic/Line Rotary Switch
- Selectable 300Ω or 1200Ω Mic Input Impedance
- Inductor Based Equalization and High Pass Circuit
- Power, Overload, Signal, and Peak LEDs
- Reverse Phase Switch



User Controlled Functions

On Switch	Turn Pre Amp On - (Green LED)
300Ω / 1200Ω Switch	Switch between 300Ω and 1200Ω input impedance for the mic input
48V Power Supply Switch	On/Off
DI Switch	Direct Input with 100kΩ input sensitivity
EQ Switch	Engages audio high pass filter and equalization circuits
Polarity Switch	Reverses the polarity of the audio signal
Mic/Line Sensitivity Switch	20dB to 80dB of mic boost and +10dB to -20dB of line level adjustment.
High Pass Filter	Provides a 18dB/octave high pass filter at 50Hz, 80Hz, 160Hz and 300Hz
Low Frequency Equalization	Provides +/-20 db of Boost or Cut at 35Hz, 60Hz, 110Hz or 220Hz
Mid Frequency Equalization	Provides +/-20 db of Boost or Cut at 360Hz, 700Hz, 1.6kHz, 3.2kHz, 4.8kHz or 7.2kHz
High Frequency Equalization	Provides +/-20 db of Boost or Cut at 3.4kHz, 4.9kHz, 7kHz, 12kHz or 16kHz

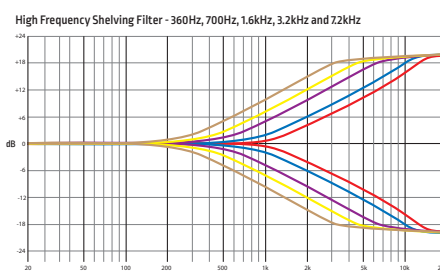
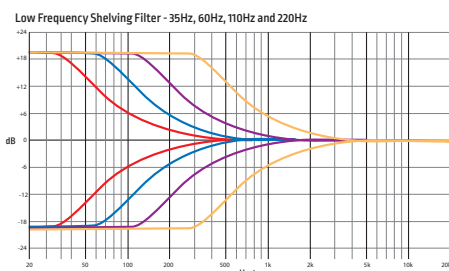
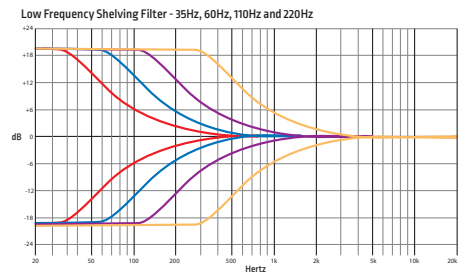
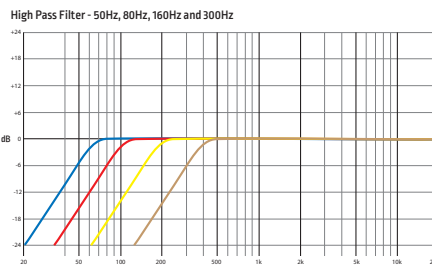
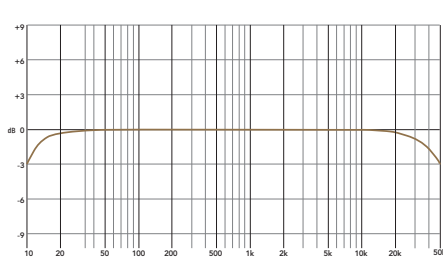
Inputs

Microphone (XLR)	Transformer balanced input, RF isolated
Line (XLR)	Transformer balanced input, RF isolated
Direct In (1/4" TRS)	High impedance instrument input

Input Impedance

Microphone	300Ω or 1200Ω
Line	10kΩ line bridging from 600Ω or lower source impedance
Direct Input	100kΩ

Frequency Response



Sensitivity

Microphone	From -80dBm to -20dBm in 5 dB steps for 0dBm output
Line	From -20 dBm to +10 dBm in 5 dB steps for 0 dBm output
Noise Specification	Better than -125dBm EIN between -80 and -40 dBm referenced to 600Ω input impedance, SNR 116dB at maximum output
Output Type	Transformer balanced and floating to drive 600 Ω load
Maximum Output	+26dBu into 600Ω load impedance
Frequency Response	20Hz - 20kHz -0.5dB 10Hz - 50kHz -3dB

LED Indicators

Blue	Power ON
Green	Signal Present
Yellow	+4dB Output Level
Red	Output Overload

Outboard Power Supply

120V AC Specification	Primary 120V /Secondary 24V AC UL and cUL rated. Quiescent Consumption 3.2 Watts, Nominal Consumption 9 Watts
240V AC Specification	Primary 240V /Secondary 24V AC CE rated. Quiescent Consumption 3.5 Watts, Nominal Consumption 8.5 Watts