

## Specifications

### Inputs Four

Type Electronically balanced (Pin 2 Hot)

Impedance (Ohm)

Balanced 20k

Unbalanced 10k

Common Mode Rejection >80dB @ 1kHz

Maximum level + 21dBu

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### Audio Outputs Eight

Type Electronically Balanced (Pin 2 Hot)

Minimum load impedance 56 Ohm /20nF

Source impedance 56 Ohm

Maximum level + 21dBu into > 2k Ohm

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### Performance

Frequency response (20 Hz to 20 kHz) +/- 0.3dB with all filters and EQ flat

Distortion (THD+N) <0.02% @ 1kHz, +8 dBu

Dynamic range (20 Hz to 20 kHz unweighted) >114dB

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### Input Processing (per channel)

Input gain +12dB to -40dB in 0.1 dB steps plus Off

Parametric EQ 1-12 Frequency range: 20Hz to 20kHz in 21 steps per octave

Boost/cut: +6/-18dB in 0.1dB steps

Q: 3.0 to 0.08

Compressor Threshold: +21dBu to - 10dBu in 0.1dB steps

Attack: 40us to 100ms

Insert:On/Off

Release: 10ms to 2000ms

Ratio: 1:1 to 5:1

Knee: Hard/Soft

Delay 0 to 1 second 342.25 m or 1122'10" at 20(C) in 20.8us steps

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### Output Processing (per channel)

Routing Route from inputs: A,B, C,D,A+B,C+D,A+B+C+D

Delay 0 to 300ms (102.68 m or 333'10" at 20(C) in 5.02 us steps

Phase correction filters 0° to 180° in 5° steps

All pass filter 1st and 2nd order

Low pass filter frequency range 20Hz to 20kHz in 21 steps per octave.

Supported configurations are:-

Butterworth (6dB/Oct,12dB/Oct,18dB/Oct, 24 dB/Oct,36dB/Oct, 48dB/Oct)

Linkwitz-Riley (12dB/Oct,24dB/Oct)

Bessel (12dB/Oct,18dB/Oct, 24 dB/Oct, 36dB/Oct, 48dB/Oct)

High pass filter frequency range 20Hz to 20kHz in 21 steps per octave.

Supported configurations are:-

12dB/Oct Peaking

24dB/Oct Peaking

Butterworth (6dB/Oct, 12dB/Oct, 18dB/Oct, 24dB/Oct, 36dB/Oct, 48dB/Oct)

Linkwitz-Riley (12 dB/Oct, 24 dB/Oct)

Bessel (12dB/Oct,18dB/Oct,24dB/Oct, 36dB/Oct, 48 dB/Oct)

Peaking Filter Boost: 0dB to +6dB in 0.1dB steps.

Parametric EQ 1/ frequency range 20Hz to 20kHz in 21steps per octave.

Low shelf filter

Boost/cut: +12/-12dB in 0.1dB steps

Parametric EQ Q: 3.0 to 0.08

Shelf slope:6dB/Oct and 12dB/Oct

Parametric EQ 2-5 frequency range 20Hz to 20kHz in 21steps per octave.

Boost/cut: +12/-12dB in 0.1dB steps

Q: 3.0 to 0.08

Parametric EQ 6/ frequency range 20Hz to 20kHz in 21steps per octave.

Hi shelf filter

Boost/cut: +12/-12dB in 0.1dB steps

Parametric EQ Q: 3.0 to 0.08

Shelf slope: 6 dB/Oct and 12dB/Oct

Polarity invert Normal/invert

Output gain +12dB to -40dB in 0.5dB steps plus Off

Look-ahead limiter Threshold: +21dBu to - 10dBu in 0.5dB steps

Release: 10ms to 1000ms

Knee: Hard/Soft

Compressor Threshold: +21dBu to - 10dBu in 0.1dB steps

Attack: 40us to 100ms

Insert:On/Off

Release: 10ms to 2000ms

Ratio: 1:1 to 5:1

Knee: Hard/Soft

Mute On/off

Terminations

Audio inputs/outputs 3-pin XLR

RS-485 inputs/outputs 3-pin XLR

RS-232 8-pin Mini-DIN socket

Power IEC

Power Requirements

Voltage / Consumption 90 to 250V a.c @ 50/60Hz / < 75VA

Dimensions

Height 44 mm (1.75 inch) - (1U)

Width 483mm (19 inch)

Depth 287mm (12 inch)

Weight

Nett 4kg

Shipping 6kg