

# Appendix C: Technical Info

## Specifications

### Frequency Response

15 Hz-20 kHz  $\pm 0.2$  dB

### THD

0.01% (15 Hz-20 kHz)

### Signal to Noise Ratio

Analog in to Analog out, ref to +4 dBu: 104 dB

### Propagation delay

3.2 mS

### EQ filters

30 Adaptive-Q filters,  $\pm 12$  dB range

HPF 20 Hz -3 kHz, 12 or 24 dB/octave Linkwitz-Riley

LPF 1 kHz-20 kHz, 12 or 24 dB/octave Linkwitz-Riley

### Analog inputs:

Connectors: XLR female & TRS

Max input level: +22 dBu

Input level range:  $\pm 15$  dB digital trim

Impedance: 10k ohms

### A/D:

24-bits (20 Hz-20 kHz,  $\pm 1$  dB)

Dynamic Range: 106 dB

Crosstalk: -110 dB @ 1 kHz

### Measurement mic input

Connector: XLR female

Gain: Fixed at appropriate level for supplied Mic

Impedance: 10k ohms

Phantom Power: 48 V applied continuously

### Analog Outputs:

Connectors: XLR male & TRS

Max output level: +22 dBu balanced, +20 dBu unbalanced

Impedance: 150 ohms

### D/A:

24-bits (20-20 kHz,  $\pm 1$  dB)

Dynamic Range: 108 dB

Crosstalk: -115 dB @ 1 kHz

Sample Rates: 48 kHz

Digital Signal Processing: 32-bit floating point

### Power:

100-240 VAC, 50/60 Hz auto-switching

### Dimensions:

Width 19 inches (483 mm)

Height 3.5 inches (88 mm)

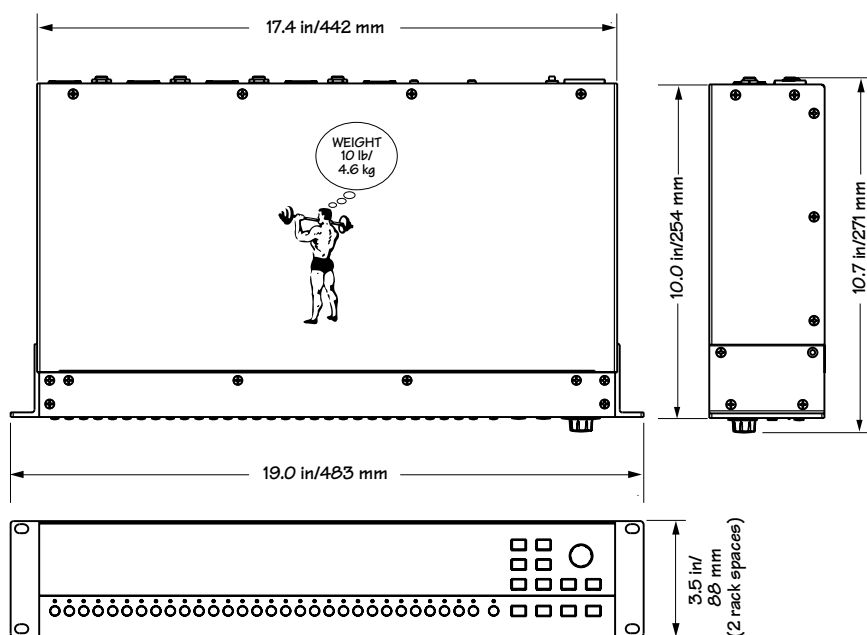
Depth 10.7 inches (271 mm)

Weight: 10 lbs (4.6 kg)

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Block Diagram

