

Specifications

Frequency Response - Stagebox Mic input to Line output	+0/-1dB, 20Hz-20kHz
AES/EBU In to AES/EBU Out	+0/-0.2dB, 20Hz-20kHz
Stagebox Mic In (min gain) to Local Line Out	<0.003% @ 1kHz
Stagebox Mic In (max gain) to Local Line Out	<0.020% @ 1kHz
Local Line In to Line Out	<0.003% @ 1kHz
Mic Input E.I.N	<-126dBu (150Ω source)
Residual Noise	-91dBu Stagebox line output; no inputs routed, Mix fader @0dB
CMRR, Stagebox Mic input	80dB @ 1kHz
Sampling Frequency	48kHz or 96kHz
Latency: Stagebox Mic Input to Local Line output	<2ms @48kHz
AES/EBU Input Sample Rate	32–108kHz (with SRC enabled)
DSP Resolution	40-bit floating point
Internal Clock Accuracy	<+/-50ppm
Internal Clock Jitter	<+/-5ns
External Sync	BNC Wordclock
Input & Output Levels - Mic Inputs	+28dBu max
Input & Output Levels - Line Inputs	+22dBu max
Input & Output Levels - Line Outputs	+22dBu max
Input & Output Levels - Nominal Operating Level	+4dBu (-18dBFS)
Input & Output Impedances - Mic Inputs	10kΩ
Input & Output Impedances - All other analogue Inputs	>10kΩ
Input & Output Impedances - Line Outputs	<75Ω
Input & Output Impedances - AES/EBU Outputs	110Ω

Oscillator	20Hz to 20kHz/Pink/White Noise, variable level
Stagebox HP Filter	80Hz fixed, 12dB per octave
Channel HP filter	20Hz-600Hz, 18dB per octave
Channel LP filter	1kHz-20kHz, 18dB per octave
EQ (Inputs and Bus Outputs) - HF	20Hz-20kHz, +/-18dB, Q= 0.3-8.7 or shelving
EQ (Inputs and Bus Outputs) - Hi-Mid	20Hz-20kHz, +/-18dB, Q=0.3-8.7
EQ (Inputs and Bus Outputs) - Lo-Mid	20Hz-20kHz, +/-18dB, Q=0.3-8.7
EQ (Inputs and Bus Outputs) - LF	20Hz-20kHz, +/-18dB, Q= 0.3-8.7 or shelving
Metering	Internal 20-segment LED bargraphs plus 9-segment gain reduction meters for all inputs and Outputs. Peak hold variable from 0-2s.
Mains Voltage Operating Range	90-264V, 47-63Hz, autoranging
Mains Power Consumption	300W
Operating Temperature	0°C – 45°C (32°F – 113°F)
Relative Humidity	0% – 90%, non-condensing Ta=40°C (104°F)
Storage Temperature	-20°C – 60°C (-4°F – 140°F)