

Frequency Response

Stagebox Mic input to Line output: +0/-1dB, 20Hz-20kHz

AES/EBU In to AES/EBU Out: +0/-0.2dB, 20Hz-20kHz

THD and Noise

Mic In (min gain) to Local Line Out, 22Hz-22kHz: < 0.003% @ 1kHz

Mic In (max gain) to Local Line Out, 22Hz-22kHz: < 0.020% @ 1kHz

Mic Input EIN (22Hz-22kHz bandwidth, unweighted): < -125dBu (150Ω source)

Residual Noise, local Line output; no inputs routed, Mix fader @0dB: -91dBu

CMRR, Mic input: 80dB @ 1kHz

Sampling Frequency: 48kHz

Latency, Mic Input to Line output: < 2ms @ 48kHz

DSP resolution: 40-bit floating point

Internal clock accuracy: < +/- 50ppm

Internal clock jitter: < +/- 12ns

External Sync: BNC Wordclock

Input and Output Levels:

- Mic Inputs: +23dBu max
- Line Outputs: +22dBu max
- Nominal Operating Level: +4dBu (-18dBFS)

Input and Output Impedances:

- Mic Inputs: > 6kΩ
- Line Outputs: < 75Ω
- 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
- Hi-Mid: 20Hz-20kHz, +/- 18dB, Q= 0.3-8.7
- Lo-Mid: 20Hz-20kHz, +/- 18dB, Q= 0.3-8.7
- LF: 20Hz-20kHz, +/- 18dB, Q= 0.3-8.7 or shelving

Metering: Internal 11-segment LED bargraphs plus-4 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: 100W

Operating Temperature Range: 0°C - 45°C (32°F - 113°F)

Relative Humidity: 0% - 90%, non-condensing Ta= 40°C (104°F)

Storage Temperature Range: -20°C - 60°C (-4°F - 140°F)