

SECTION 1.0

GENERAL SPECIFICATIONS

<p>FREQUENCY RESPONSE — Mic input to Any Output, EQ Flat, All Faders Nominal 20-20,000 Hz ± 1 dB</p> <p>TOTAL HARMONIC DISTORTION — <0.05% at +4 dBu¹, 20-20,000 Hz <0.10% at +24 dBu, 20-20,000 Hz</p> <p>HUM AND NOISE — Measured with a DIN audio filter (22-22 kHz) -128 dBu EIN-equivalent input noise, mic input terminated 150 Ω. Mixer signal-to-noise ratio measured with masters at nominal and all inputs off: 79 dB</p> <p>CROSSTALK — -65 dB typical at 1 kHz adjacent inputs to outputs -40 dB minimum, all combinations 20-20,000 Hz</p> <p>MAXIMUM VOLTAGE GAIN ± 3 dB — 86 dB — Mic In to Main Out 75 dB — Mic In to Sub, and Monitor Out 60 dB — Line In to Main Out 50 dB — Line In to Sub, and Monitor Out</p> <p>MICROPHONE INPUTS — Low impedance, balanced — pin 2 reference positive Maximum input level: +6 dBu (1.5 V) Input impedance at 1 kHz: 4400 Ω Common Mode Rejection Ratio, Typical: -75 dB Minimum, 20-20,000 Hz: -55 dB</p>	<p>LINE INPUTS — High impedance, balanced tip positive Maximum input level: +24 dBu (12 V) Input impedance: 60 kΩ</p> <p>INPUT CHANNEL EQUALIZATION — ± 15 dB shelving at 100 Hz ± 15 dB peak/dip sweeping from 350-5,000 Hz ± 15 dB shelving at 10 kHz</p> <p>PEAK INDICATOR THRESHOLD — +16 dB on input channel (4 dB before clipping) +14 dBu on VU meter (10 dB before clipping)</p> <p>VU METER CALIBRATION — 0 VU = +4 dBu (1.228 V)</p> <p>HEADPHONE OUTPUT — Output 20 mW into 8Ω Frequency response: 50-15,000 Hz at ± 2 dB</p> <p>LAMP CONNECTOR — 12 V ac 375 mA maximum</p> <p>PHANTOM POWER — 48 V dc at pin 2 and 3 on mic connector, 6.8 kΩ source impedance</p> <p>POWER REQUIREMENTS — 100, 120, 220 or 240 V ac 50/60 Hz, 40 watts (120 V ac)</p> <p>PFL (pre-fader listen) — Switchable for input and output channels</p> <p>AUX 2 SEND (input channels) — Switchable pre- or post-fader</p>
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LINE LEVEL INPUTS			OUTPUTS			
	MAXIMUM LEVEL	INPUT IMPEDANCE		MAXIMUM LEVEL	MINIMUM LOAD	INTERNAL IMPEDANCE
Left & Right Insert	+20 dBu	10 k Ω	Main (balanced)	+24 dBu	600 Ω	75 Ω
Left & Right Tape Return	—	5 k Ω	Monitor (balanced)	+24 dBu	600 Ω	75 Ω
Aux Input 1 & 2	+20 dBu	51 k Ω	Left Sub (balanced)	+24 dBu	600 Ω	75 Ω
Monitor Input	+20 dBu	75 k Ω	Right Sub (balanced)	+24 dBu	600 Ω	75 Ω
Input Channel Insert	+20 dBu	5 k Ω	Left & Right Insert	+20 dBu	2000 Ω	100 Ω
			Aux 1 & 2 Out	+20 dBu	600 Ω	100 Ω
			Input Channel Insert	+20 dBu	2000 Ω	100 Ω