



The E-coustic Systems MP-4 (four channel) and MP-8 (eight channel) Microphone Preamplifiers provide unrivaled sonic quality and unsurpassed ambience retrieval that are fundamental elements of transparent electronic acoustic enhancement. The MP-4 / MP8 are unique in their ability to maintain uncolored timbral accuracy at all dynamic levels. Furthermore they achieve this over an exceptionally wide frequency response - from 3-Hz to beyond 300kHz. The entire audio path is balanced using precision components that reduce THD to 5 parts per million (0.0005%). The FET based output stage provides a massive 32dB of headroom, while the input stage accepts up to +23dBu without using attenuators. All switches use gold contacts, allowing these units to perform flawlessly over time in machine rooms where temperature and humidity vary as mechanical systems are cycled. Both units are available with optional 3 outputs per channel, as well as optional AES/EBU digital outputs

MP-4/MP-8 MICROPHONE PREAMPLIFIERS



ELECTRONIC ARCHITECTURE

SPECIFICATIONS

Minimum Gain 8.5 dB	Maximum Gain (1.5 dB per step, 36 steps) 65 dB (up to 75 dB on request)	Frequency Response +0 / -3 dB sub 3 Hz to beyond 300 kHz	Noise 60 dB Gain, 10 Hz - 30 kHz, Inputs common -133 dB EIN	THD + Noise < .001%, Typ. < .0005% (< 5 ppm) (35 dB Gain, 10 Hz - 20 kHz bandwidth, +27 dBu Out)	Intermodulation Distortion < .0009% ((50 Hz & 7 kHz) 35 dB Gain, +27 dBu Out)
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Phase Response < 2 degrees deviation (35 dB Gain, 50 Hz - 20 kHz bandwidth, +27 dBu Out)	Common Mode Rejection Ratio > 65 dB, Typ > 85 dB (35 dB Gain, 10 Hz - 20 kHz bandwidth, 100 mV C.M.)	Slew Rate > 25 Volts per microsecond (35 dB Gain, +27 dBu Out)	Maximum Input Level +23 dBu (no attenuator pads required, 20 Hz - 40 kHz)	Maximum Output Level +32 dBu 20 Hz - 40 kHz	Phantom Input Impedance 6,750 ohms (1 kHz)
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Output Impedance 24.3 Ohms (x2)	DPA (B&K) Mic Powering +130 V dc max, (non-phantom)	Phantom Powering +48 V dc, +/- 2 V dc	Power Consumption 45 watts maximum	Power Requirements Selectable 100-120, 200-240 V ac, 50/60 Hz	Dimensions/Shipping Weight 19" W x 3.5" H x 12.5" D, 25 lbs.
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