

MLM

Dual Microphone Pre-amplifier

MLM is a high quality single-channel limiter providing cost-effective level control in a wide variety of broadcast and associated environments, either to deliberately process sound or in a protective role. It can assist inexperienced presenters with level control, prevent overloading of mixer inputs or act as a preamp for PC-based sound systems where the broadcast style limiter, with circuitry optimized for tight control of absolute level, will go a long way towards preventing unpleasant distortion effects.



The limiter section itself is based upon a deviation limiter. A complex program-dependent attack and release time system is used coupled with FET gain reduction to give a clean sound, free of the harshness often associated with VCA based designs. Input gain and output level while limiting are adjustable via front panel presets, and clear indication of the amount of limiting is given by a pair of LED indicators. Switchable phantom power is available for Mic level inputs. The electronically balanced input and output are both switchable between microphone and line levels, allowing easy integration into any system.

MLM is packaged in a robust metal case which can be easily mounted on rack shelves, beneath woodwork or inside rack cabinets by means of screws, ties or double-sided tape.

An optional 1U rackmount kit, **RCK**, is also available. Units are supplied with comprehensive instructions, a mains lead and a five year warranty.

SPECIFICATIONS

Audio Section

Inputs/Outputs	Electronically balanced
Input impedance	>5k Ω
Maximum input level	-6dBu (mic), +26dBu (line)
Input CMRR	60dB Typical
Nominal gain range	33 to 75dB (mic), -25 to +18dB (line)
THD (1kHz)	< 0.05% below limit point
Noise (RMS)	<-70dB re limit point
AF response	20Hz-20kHz \pm 0.3dB
Output level at limit	53 to -41dBu (mic), 0dBu to +10dBu (line) threshold

Physical specifications

Power supply	115V AC \pm 10%
Power consumption	< 7VA
Dimensions	11.6" x 4.5" x 1.7"(excluding switches & connectors)
Mounting holes	0.20" holes 10.9" x 2.9" rectangle
Weight	2.2lbs
Warranty	5 Years