

# MMA-4 PRECISION MICROPHONE PRE-AMPLIFIER



## MMA-4

The MMA-4 is an audiophile microphone pre-amplifier offering the highest standards of performance. A minimalist approach combined with designer Leif Mases years of experience recording major artists has resulted in this exceptional unit. Design objectives included consistently good sound over the whole range of gain settings, a high level of transparency and ultra-low noise and distortion.

- ***Ultra-low noise & distortion***
- ***Precision stepped gain controls from 0dB to +60dB (3dB steps)***
- ***High-output switchable phantom power supply***
- ***Phase reverse switch***
- ***Cut switch***
- ***Electronically balanced XLR input & output***
- ***PPM bargraph meter on each channel***

### **Typical MMA-4 technical specification:**

Frequency response:	+0dB/-3dB	< 1Hz
	+0dB/-3dB	> 200kHz
Maximum input level:		>+26dBu
Maximum output level:	load > 600	>+28dBu
Ultra low noise:		
E.I.N. gain>57dB	20-20kHz	150Ω source <-129dBu
gain>30dB	20-20kHz	150Ω source <-126dBu
gain>48dB	20-20kHz	0Ω source <-134dBu
gain>30dB	20-20kHz	0Ω source <-128dBu
Low distortion:	1kHz	0-60dB gain <0.0006%
High CMRR:	50-20kHz	60dB gain <115dB