

MP221 Microphone Preamplifier

The MP221 preamplifier is a high performance unit built to broadcast standards. Primarily designed to add flexibility to Ampetronic Induction Loop installations, it can also be used in other professional audio systems where the control and mix of audio signals is required.

The MP221 is a four input preamplifier, 2 XLR microphone inputs with phantom power and 1 line level input for balanced or unbalanced connection and a twin unbalanced phono input. The single electronically balanced output can be connected to balanced or unbalanced loads.

The inputs are fully protected. In the event of an overload condition of any amplifier section, the overload warning LED will illuminate.

Features

- Switchable phantom power
- Independent controls for all inputs
- 5 year warranty
- Power supply included
- 2 Balanced microphone inputs
- 1 Balanced/Unbalanced line input
- 1 Stereo Unbalanced line input
- 1 Balanced/Unbalanced line output

Input Signal Management and Control

To increase input options for induction loop systems or for other general mixing arrangements.



Balanced Microphone Inputs

Connector	XLR
Gain (Factory setting)	66dB
Gain switch (low)	46dB
Input referred noise	-124dBu (200Ω source)
Input impedance	> 5kΩ
Phantom Power	+12V

Line Level Input 1 Unbalanced Stereo

Connector	Dual phono
Gain	6dB
Input Impedance	47k Ω

Line-level Input 2 Balanced / Unbalanced

Connector	(1/4 inch) 6.3 mm jack socket
Gain	6dB
Input impedance	1MΩ each side, 2MΩ differential

Outputs

Connector	(1/4 inch) 6.3mm Jack socket
Number	1 Balanced/Unbalanced
Level	0dBu (nominal)
Overload	+16dBu Bal / +10 dBu Unbal
Overload LED	On front panel

Controls

Gain Control	4 (1 per input) on front panel
Phantom	Global ON/OFF on rear panel
Gain Boost	Internally selectable per channel

Physical

Width, Depth, Height	107 x 200 x 44mm
Weight	0.65kg

Power Supply

Voltage, Current	12Vdc, 55mA (region specific power supply included)
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Accessories

The unit can be rack mounted using the RM-1U rack tray, BPS-1U and BPL-1U blank plates.

Standards Compliance

The MP221 preamplifier is CE marked to all relevant safety and EMC standards