

## 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

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

#### Line Level Input 1 Unbalanced Stereo

<b>Connector</b>	Dual phono
<b>Gain</b>	6dB
<b>Input Impedance</b>	47k Ω

#### Line-level Input 2 Balanced / Unbalanced

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

#### Outputs

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

#### Controls

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

#### Physical

<b>Width, Depth, Height</b>	107 x 200 x 44mm
<b>Weight</b>	0.65kg

#### Power Supply

<b>Voltage, Current</b>	12Vdc, 55mA (region specific power supply included)
-------------------------	---

#### 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

