

MP101

Microphone Preamplifier

1. INTRODUCTION

The MP101 microphone preamp was designed for use with Ampetronic Induction Loop drivers, but can be used in other installations as a separate single input pre-amp. The unit is designed to convert microphones to line-level signals, having a switchable gain of 40dB or 25 dB

The preamp has an electronically balanced microphone input, with a professional XLR connector, with switchable Phantom power facility.

Power for the preamp is normally obtained from the host Ampetronic amplifier, but the unit can be powered from a small, separate power supply, Ampetronic type PS3.

To meet EMC specifications the power cable and the Line-level signal cable **must not** be longer than 3 metres.

2. INSTALLATION

The unit can be installed anywhere as required by the user, and is often hidden behind the equipment as there are no controls. It can also be installed in a fixed position on the rear edge of the RM1U rackmount tray.

3. GAIN / PHANTOM SELECTION

The adjacent drawing indicates where the switches are positioned on the panel. Normal gain is 25 dB, boost is 40 dB. Phantom voltage is +15 Volt.

4. TECHNICAL SPECIFICATION

Microphone input

Connector: XLR

Channel gain: 25 / 40dB

Input overload: -20dBu

Input noise level: -127dBu 200 source

Input impedance: 5k

Phantom power: selectable 0V/+15V

Output

Connector: 6.3mm 3-pole jack socket.

Will accept 2-pole plug for single-ended output, or 3-pole plug for single-ended signal driving a balanced input, using 2-core plus shield cable.

Maximum load: 1k

Max output: + 20dBu

Power requirements

Supply: $\pm 15V$ regulated at $\pm 12mA$ excluding phantom power load.

Connections: Pin 1 +15V, Pin 2 -15V, Pin 3 0V.

Case: $\frac{1}{2}$ rack width, can be installed in RM-1U rackmount.

Dimensions: Width: 74mm Height: 43.5mm Depth: 115mm

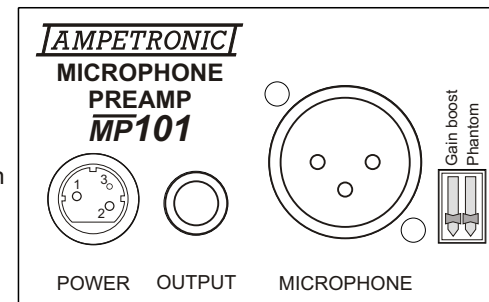
Weight: 305g

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Listen to the difference

Power Supply Connector Wiring Details

Pin No.	Function
1	+15 V
2	-15 V
3	0 V



Warranty Information

This product carries a 5 year parts and labour warranty which could be invalidated if these instructions are not followed correctly, or if the unit is tampered with in any way.

The 5 year warranty is dated from the time the equipment leaves Ampetronic and NOT when it is installed.

MP101 is designed and manufactured in England by Ampetronic Ltd.

DECLARATION OF CONFORMITY

Manufacturer: Ampetronic Ltd.
Address: Northern Road, Newark,
Nottinghamshire, NG24 2ET,
United Kingdom.

Declares that the product:

Description: Microphone Preamplifier

Type Name: MP101

Conforms to the following Directive(s) and Norm(s):

Directive 89/336/EEC

EMC: EN55103-1 (1997)

EN55103-2 (1997)

Safety: EN60065 (1998)

May 2001

L.A. Pieters

Managing Director

Ampetronic Ltd.

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Nottinghamshire, NG24 2ET
United Kingdom

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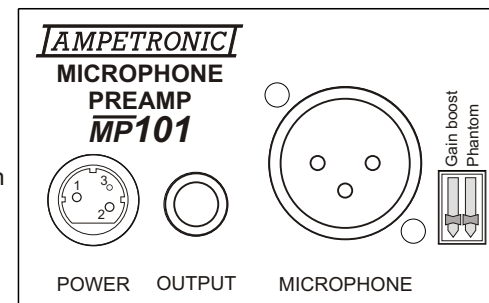
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