

MAT1/DC Microphone Adapter

The MAT1/DC is intended to interface an unbalanced electret microphone to a balanced microphone input with separate DC power supply. The unit has unity gain and provides 6.8v bias voltage to the electret microphone. A matching output plug is supplied with the unit

Always use good quality cables of the type described in these instructions and only connect the unit as described below. Always install the unit in a dry location away from extremes of temperature and humidity.

The MAT1/DC should not be used for any other purpose than those described in this leaflet unless written permission has been obtained from Ampetronic Ltd.

1. Input connection.

The input should be connected to an unbalanced electret microphone such as those supplied by Ampetronic Ltd using a single core screened cable terminated in 3.5mm mono jack plug. This cable *must not* exceed 3m otherwise interference may be introduced into the system.

A 6.8v low current bias voltage is supplied to the microphone. To avoid damage, any batteries fitted in the microphone should be removed before use with the MAT1/DC, and the microphone manufacturer's advice should be followed if necessary to configure the microphone for bias supply.

2. Output connection.

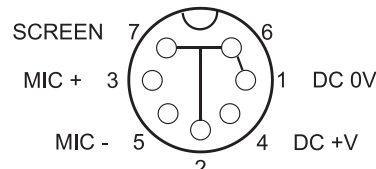
The MAT1/DC output should be connected to a balanced microphone input using screened balanced cabling. The output connector wiring is shown below. Note that this connector also includes the DC power supply.

3. DC Power Supply.

A 12-48V regulated DC power supply is required for the MAT1/DC to function correctly. This is connected as shown on the output connector wiring diagram below. Ensure that the power polarity is correct as the unit will not work with reverse polarity.

Output & DC Connector

View towards wire face of 7-pin DIN plug.



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Warranty Information

This product carries a five year parts and labour warranty from date of shipment from Ampetronic. To qualify for the five year warranty, the product must be registered at www.ampetronic.co (products/warranty), without which the warranty will be valid for two years only.

The warranty could be invalidated if the instructions in this handbook are not followed correctly, or if the unit is misused in any way.

The MAT1/DC is designed and manufactured in England by Ampetronic Ltd.

DECLARATION OF CONFORMITY

Manufacturer: Ampetronic Ltd.
Address: Unit 2, Trentside Business Village
Farndon Road, Newark, NG24 4XB

Declares that the product:

Description: Microphone Adapter with separate DC supply
Type Name: MAT1/DC

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

Directive 2004/108/EC
EMC: EN55103-1 : 2009 Emission
EN55103-2 : 2009 Immunity

Directive 2006/95/EC

Safety: EN60065 : 2002+A12:2011

Directive 2011/65/EU RoHS

Date: February 2014

J.R. Pieters
Managing Director
Ampetronic Ltd.

Ampetronic Ltd

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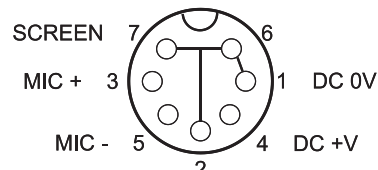
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