



MPA1-AS
Active Loudspeaker
Unit

Handbook

TSL

Vanwall Road, Maidenhead, Berkshire, SL6 4UB
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676299



EC DECLARATION OF CONFORMITY

Application of Council Directives Nos:
EC Low Voltage Directive (73/23/EEC)(OJ L76 26.3.73)(LVD).
Amendment: (93/68/EEC) (OJ L220 30.8.93).
Conformity Standards Declared:
EN 60950
EMC Directive: 89/336/EEC, Amended 92/31/EEC.
Conformity Standards Declared:
EN 50081-1: 1992- EMC- Generic Emissions, Part 1.
EN 50082-1: 1997- EMC- Generic Immunity, Part 1.
EN61000-3-2: 1995- Current Harmonic Emissions.
EN61000-3-3: 1995- Voltage Fluctuations & Flicker.

Manufacturer's Name: Television Systems Ltd
Manufacturer's Address: Vanwall Road
Maidenhead SL6 4UB
England
United Kingdom

Type of Equipment: Powered Loudspeaker Unit

Model No: MPA1-AS

Part Number: TSLP- MPA1-AS

Date CE Mark Affixed: 4/2/08

I, the undersigned, declare that the equipment specified above conforms to the quoted Directives and Standards.

Place: Maidenhead, England

Signature: _____

Date: _____

Print: R CHAMBERS

Position: PRODUCT MANAGER

Installation.

Unless otherwise stated TSL equipment may be installed at any angle or position within an operating temperature range of 5° - 30° C .

All TSL equipment conforms to the EC Low Voltage Directive:

EC Low Voltage Directive (73/23/EEC)(OJ L76 26.3.73)(LVD). Amendment: (93/68/EEC) (OJ L220 30.8.93).

In all cases the frame of the equipment must be earthed on installation.

The earth pin on the IEC mains inlet connector is connected to the metal frame of the equipment, to 0 volts on the internal DC PSU and to signal ground, unless otherwise stated. All metal panels are bonded together.

Check that the voltage selector setting (if fitted) and the fuse rating is correct for the local mains supply.

WARRANTY, MAINTENANCE AND REPAIR

All TSL equipment is guaranteed for one year from the date of delivery to the customer's premises. If the equipment is to be stored for a significant period, please contact TSL concerning a possible extended warranty period.

Failure during warranty

If any TSL product should fail or become faulty within the warranty period, first please check the PSU fuses.

All maintenance work must be carried out by trained and competent personnel.

If equipment has to be returned to TSL for repair or re-alignment, please observe the following overleaf:

TSL Returns Procedure

Please telephone +44 (0)1628 676200 (Fax: +44 (0)1682 676299) and ask for Sales who will provide a Returns Number. This will enable us to track the unit effectively and will provide some information prior to the unit arriving.

For each item, this unique Returns Number must be included with the Fault Report sent with the unit.

A contact name and telephone number are also required with the Fault Report sent with the unit.

Fault report details required.

- Company:
- Name:
- Address:
- Contact Name:
- Telephone No:
- Returns Number:
- Symptoms of the fault (to include switch setting positions, input signals etc):

Packing

Please ensure that the unit is well packed as all mechanical damage is chargeable. TSL recommends that you insure your equipment for transit damage.

The original packaging, when available, should always be used when returning equipment.

If returned equipment is received in a damaged condition, the damage should be reported both to TSL and the carrier immediately.

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1.0 Introduction

The MPA1-AS is a 1RU x 200mm deep active loudspeaker unit with two switched analogue inputs intended for use as a close field monitor.

The following features are standard:

- Two switch selectable stereo analogue inputs.
- Headphone output with automatic loudspeaker muting

2.0 Front Panel Controls

2.1 Volume Control

Note: Please ensure that this control is fully counter clockwise BEFORE using the headphones.

2.2 Input Selection, push switch

1 – 2 Stereo analogue I/Ps. A1 (Left Channel) and A2 (Right Channel). Input 1, switch out and input 2 switch in.

3.0 General Notes

- Please note that some American equipment has the function of the XLR pins 2 & 3 reversed.
- TSL product is wired to the European standard.
- It is recommended that the unit is secured into a rack for optimum performance.

4.0

MPA1-AS Technical Specifications

Power Supply

Supply Voltage	12v DC
Power Consumption	Less than 30 Watts

Physical Dimensions

Height	44mm (1RU)
Width	19" Rack Mount
Depth	200mm
Weight	6 kgm

Analogue Inputs 1 and 2

Connector Type	XLR Female 3 pin. Pin 1 Ground, Pin 2 hot, Pin 3 cold.
Signal	Balanced line level audio.
Impedance	>20k Ω

Headphone Output

Connector	Stereo jack socket (A gauge)
Impedance	400 ohm
Output	Through level control with 0 dB gain

Performance

Response	120Hz to 20KHz
Electrical Distortion	Better than 0.1%
Hum and noise	Better than -80dB
SPL	>85dB at 0.6 m
Total Power Output	20 watts P-P

