



MPA1-ASB
AUDIO MONITORING
UNIT

Provisional Handbook

TSL
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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-ASB

Part Number: TSLP- MPA1-ASB

Date CE Mark Affixed: 5/3/09

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 chassis of the equipment must be earthed on installation.

The external power supply provided with this product may be one of two types:

1. A Class 2 double insulated type with a 'figure of eight' mains input connector.
2. A Class or Level 3 type with an IEC mains input connector. This type offers a functional earth and **NOT A SAFETY EARTH** via the earth pin of the IEC mains input connector to the outer of the of the co axial power connector.

All metal panels are bonded together.

The supplied PSU is of a universal voltage type and does not have an accessible fuse. The PSU may be mounted in a bracket attached to the rear panel.

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.

Contents

- 1.0 Introduction**

- 2.0 Front Panel Controls**
 - 2.1 Volume controls**
 - 2.2 Input select**

- 3.0 General Notes**

- 4.0 Specifications**

1.0 Introduction

The MPA1-ASB is a 1RU x 200mm deep active loudspeaker unit with two bargraphs and 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.
- Independent channel monitoring.
- Two twelve segment bargraphs.
- Phase indication.
- 12v DC input.

2.0 Front Panel Controls

2.1 Stereo/Left volume control

Allows the audio level to be varied.

Stereo/Right Volume Control switch

In independent channel mode, that is when the **Right** hand control is switched **ON**, the control becomes a **Volume control** for the right hand channel.

Note: Please ensure that the volume controls are 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-ASB 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

