

# Microsound Systems

## Installation Manual

### Office P.A. MSOPA15W



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## 1. General Description

### Features

- Compact office P.A. System.
- Desktop mic with built in amp.
- Power output 15 watts RMS.
- Background music input.
- Music mutes with mic on.
- Separate adjustment for mic and music levels.

## 2. Operation

Press the mic on button and hold to make announcement release when finished. When the mic on button is pressed the background music is muted.

## 3. Installation

- Mount the transformer close to the mains outlet.
- Plug DC plug from the transformer into the DC socket on the mic / amp.
- The amp output is from the RCA socket.
- From the RCA run two conductors minimum size 1.0 mm<sup>2</sup> in parallel to all the loud speakers.
- If background music is required feed it in via the stereo 3.5mm mini jack socket.
- Loudspeakers can be either box speakers or ceiling speakers, each with a low power tapping equal to 300Ω or a high power tapping 90Ω.
- A maximum of 20 low power speakers or a maximum of 10 high power speakers can be connected to the amp.
- A maximum of 10 horn speakers can be connected to the amp if they have a built in transformer with impedances of 300Ω or more.
- The maximum load the amp can drive is 10Ω.
- The desk mic/amp needs ventilation so do not restrict any of the holes in the bottom. Switch power off to mic/amp after hours to prolong the life of the cooling fan.

## 4. Connections to P.S.U.

Mains input 220V AC via 3 Pin plug.

## 5. Connections to AMP

Power input: 24V AC 2.5mm power plug.

Audio output: 30V line R.C.A. plug.

Background Music input: 0dBm 3.5mm mini stereo jack plug.

## **6. Audio Level**

P1 adjusts the background music level.

P2 adjusts the mic level.

Both can be adjusted from the bottom without opening the box.

## **7. Cable requirements**

Two core 1mm Square.

Maximum distance is 100m.

## **8. Guarantee**

The MS0PA15W is guaranteed by the manufacture for a period of six months from the date of delivery against faulty components and faulty workmanship (ex factory).

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