

Product Description

The SMS02 Microphone is a sloping desk console with flexible gooseneck microphone. It is designed to work with the SMS/HCI and PA/VA Systems for London Underground and similar installations.

It will typically be used by the Station Master for making announcements using the PA/VA system under the routing control of the SMS system. It may also be used for recording announcements in the SMS system.

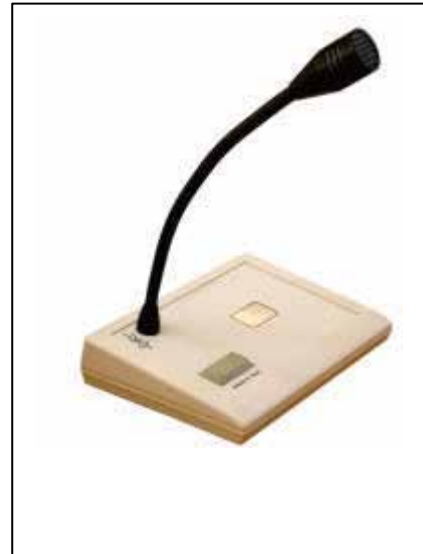
Microphone audio is provided as a balanced 0dBu (nominal) analogue signal. The unit features an in-built signal limiter.

The SMS microphone supplies the PTT signal to the SMS system by means of a serial RS485 data link. The SMS system interrogates the router to determine PTT activation.

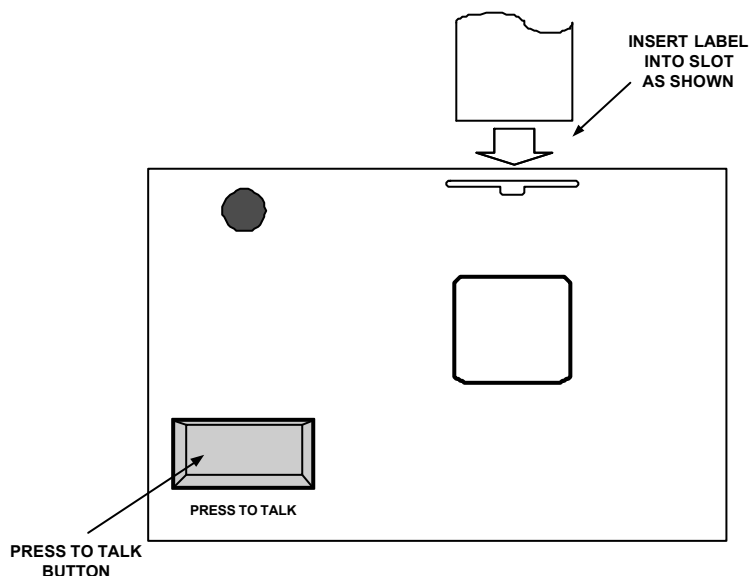
An outgoing 20Hz surveillance tone is generated to enable the microphone and the audio cabling to the PA/VA System router to be monitored at the PA/VA system.

A RJ45 connector on a flying lead provides field connections.

Provision for an identification label is provided. (Microsoft Word® template available from ASL website)



Controls and Indicators



<p>Press To Talk button</p>	<p>When pressed, it activates the zone selection, opens the microphone channel and triggers the pre-announcement chime (if selected at the VAR DSP Router/System Controller) ready for the paging announcement.</p>
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There is also a rear panel LED for diagnostic/install purposes - It flashes slowly to indicate OK status. Rapid flashing indicates that power is OK but there is a communications fault.

Console Operation

Please note: operation of this microphone depends entirely on the SMS system, therefore consult the relevant SMS documentation for details. Information below is provided for general guidance only.

Live Announcements

To make an announcement, select the required zone(s) on the SMS system, having first set it to the correct mode for live announcements.

Depress the Press to Talk (PTT) button. If selected by the SMS system via the VAR Router, the pre-announcement chime will sound. When the chime has finished (where applicable), 'Speak Now' indication should be provided at the SMS system. If no chime has been programmed then the 'Speak Now' indication should be provided immediately at the SMS system.

Once the 'Speak Now' indication is provided, the announcement can be made.

As soon as the PTT is released the SMS system should automatically reset, ready for the next zone selection and announcement, or other action etc.

Microphone Technique

No matter how good the quality of a sound system, if the person using the microphone speaks poorly or does not know the best position for microphone, the intelligibility of the announcement may be seriously compromised.

It is important that the microphone user speaks correctly (slowly and clearly), and is aware of the correct positioning of the microphone in relation to their mouth.

The microphone pre-amplifier includes signal-limiting circuitry to accommodate varying operator techniques, however best results should be achieved by speaking at a 'normal' conversational level with the mouth approximately 30 – 50mm from the microphone capsule.

Message Recording

To record a custom message, select the required message details on the SMS system, having first set it to the correct mode for message recording.

Depress the Press to Talk (PTT) button. 'Speak Now' indication should be provided at the SMS system.

Once the 'Speak Now' indication is provided the recording can be made.

As soon as the PTT is released the SMS system should automatically reset, ready for the next message detail selection and recording, or other action etc.

Manufacturer

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This equipment is designed and manufactured in the UK by Application Solutions Ltd to a quality system certified to the internationally recognised quality standard: BS EN ISO 9001: 2000

Certificate number: 96-LON-AQ-041