



The SMS02 Microphone is a sloping desk console with a 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.

An in-built signal limiting automatic gain control is provided to help compensate for varying operator technique.

A processor within the Paging Microphone interfaces the PTT switch to the DSP Router by means of a serial interface, while microphone audio is provided as a balanced 0dBu (nominal) analogue signal. All connections are provided through CAT5 cabling terminated with an RJ45 connector.

The microphone's processor is also responsible for generating an outgoing low-frequency surveillance tone which is used to monitor the audio connection to the VAR Router, while microphone capsule monitoring is performed by injection and monitoring of a signal such that either open or short circuit of the capsule or associated wiring will indicate a fault.

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.

A RJ45 connector on a flying lead provides field connections.

For further details please refer to the SMS02 product manual or visit www.asl-control.co.uk.

