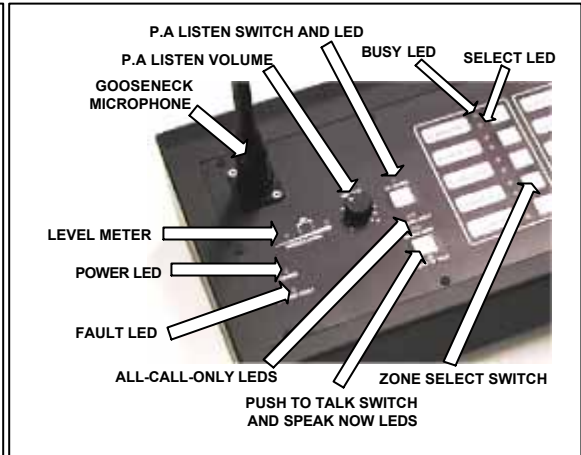


Station Master's Console – Desk Mount, Gooseneck

Type No. SMC 01



Product Description

The SMC01 Station Master's Console is a robust desk console. It is designed to work with the ASL VAR series Routers and is typically used by the Station Master for making announcements to any of the PA/VA zones within a station. It also provides a flexible listen-in facility whereby a mix of all zones, or a mix of selected zones, may be monitored via a built in loudspeaker. The unit has the facility to act as a 'Fire Microphone' and activate the VAR Router's bypass mode as required by BS 5839 Part 8.

Controls & Indicators

Zone Select Switch	Selects which zone(s) will receive the paging announcement from this microphone unit. If pressed a second time, the zone will be de-selected. Zone Select buttons can be configured at the VAR Router to control a single zone, a group of zones or all the zones. Buttons may also be configured to broadcast pre-recorded messages or cause other inputs (such as background music) to play in programmed zone(s).
Busy LED	When lit, indicates the zone (or one or more of the group of zones controlled by this button) is already in use by another input. This microphone unit can only select the zone if the other input is of a lower priority. If a higher priority input selects the zone during a paging announcement, the zone will be deselected and the Busy LED will be lit. Announcements will continue to other zones.
Select LED	When flashing, it indicates the zone is successfully selected and is ready for use by this microphone station. This LED will be steady once the PTT button is pressed (as long as a higher priority input has not selected the same zone). If a higher priority input selects the zone during a paging announcement, the zone will be deselected and the Select LED will go out. Announcements will continue to other zones.
Push To Talk Switch	When pressed, it activates the zone selection, opens the microphone channel and triggers the preannouncement chime (if selected at the VAR Router) ready for the paging announcement.
Speak Now LED	When the Press To Talk button is pressed, and the chime (if any) has finished, this LED is lit to indicate that the announcement can be made. When released, the microphone channel is closed and the zone selections will be cancelled.
PA Listen Switch	Pressing this button once will activate the listen-in function, such that the audio from all active zones is mixed and fed to the listen-in speaker. Pressing this button while holding down a zone select button will cause only that zone to be fed to the listen-in speaker. Pressing subsequent zone buttons will add their audio to the mix. Re-pressing will de-select. Pressing the listen-in switch again will cancel the listen-in function.
PA Listen LED	Illuminates while the listen-in mode is active. Note that normal paging is not possible while listen-in is active.
Level Meter	Illuminates according to sound pressure received at microphone, annotated to indicate correct speaking level (range labelled as 'OK'). The meter operates continuously to allow the operator to 'practice' achieving the correct level before broadcast.
Power LED	Illuminates to indicate that unit is receiving DC power.
Fault LED	Illuminates if any fault has been detected by the PA/VA system.
All-Call-Only LED	Illuminates if microphone processor or comms failure occurs, or if Router processor or DSP failure occurs. Pressing the PTT in this mode causes a broadcast to all zones.

Console Operation

Live Announcements

To make an announcement, select the required zone(s) by pressing the appropriate buttons (zones may be added or removed as required by pressing the buttons in turn) and, as long as the red 'Busy' LEDs are not illuminated, the appropriate green 'Select' LED(s) will flash to show the zone has been successfully selected. Up to ten zones (or groups of zones) are selectable directly from this unit.

Depress the Press to Talk (PTT) button. If programmed at the VAR Router, the pre-announcement chime will sound. When the chime has finished (where applicable), the 'Speak Now' LED shall illuminate. If no chime has been programmed then the 'Speak Now' LED shall illuminate immediately.

Once the 'Speak Now' LED illuminates the announcement can be made. When the PTT is pressed, the flashing 'Select' LED(s) will illuminate continuously to show the zones are available.

As soon as the PTT is released the system automatically resets ready for the next zone selection and announcement.

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. A sound pressure level bargraph meter is included, which operates constantly to allow operator practice. A range is marked as 'OK', indicating the optimum average speech level.

Zone 'Listen-In'

Note: The PA Listen In Facility is not available while the SMC is in use for paging announcements, similarly paging is not possible when the console is in 'listen-in' mode.

The volume level may be adjusted using the front panel mounted rotary Listen-In volume control.

Global Zone Monitoring: To listen to *all* of the active audio zone outputs simultaneously via the built in loudspeaker, simply press the PA Listen switch. To indicate that the Listen-In mode is active, the PA Listen LED will illuminate.

To close down the Listen-In facility, re-press the Listen-In Switch and the PA Listen LED will extinguish to show that the Listen-In mode has been disabled. Live paging announcements can now be made.

Selective Zone Monitoring: To listen to the audio output from a *specific* zone, press the PA Listen switch while also pressing the required Zone Select switch. To monitor further audio zone outputs, press the additional Zone Select Switches as required. To deselect a zone, re-press the Zone Select switch associated with that zone.

To close down the Listen-In facility, re-press the Listen-In Switch and the PA Listen LED will extinguish to show that the Listen-In mode has been disabled. Live paging announcements can now be made.

Manufacturer

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QUALITY ASSURED FIRM
CERTIFICATE NUMBER 96-LON-AQ-041

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