



## Public Address & Voice Alarm

### SMU Series Microphone Consoles

#### Features:

- A stylish range of microphone control units for a wide variety of voice alarm and public address applications.
- Fully programmable push buttons.
- Single composite cable link between microphone and amplifier by means of serial data transmission. Single, 8 and 16 button variations plus full customising options.
- In-built pre-amplifiers (SMU8 and SMU16) for long cable runs to amplifier without signal degradation (up to 1Km). Automatic gain control (AGC) and advanced voice compensation to cater for a wide range of operator techniques.
- Fully monitored circuitry including microphone capsule in accordance with International Fire Standards e.g. BS5839.
- High quality dynamic microphone on resilient flexible gooseneck stem.
- Confirm light flashes to guard against talking over the pre-announce chime.

#### Consultant Engineering Specification

Each zone button on the microphone control console must be fully programmable for zone, (priority and source) selection and be accompanied by red busy and green confirm lamps.

Automatic gain control, signal compression and chime selection are to be built into the microphone control console.

The microphone control console shall be the Audix Systems SMU Series.

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DATA SHEET

## Accessories:

**MPAB3** Microphone pre-amplifier box. When combined with an Audix MPAB3 microphone pre-amplifier (purchased separately), the SMU1 is fully monitored and the cable run to the amplifier is extended to 1 Kilometre. The MPAB3 can be easily surface mounted adjacent to the microphone control unit.

## Dimensions

Width 220mm, Length 145mm,  
Depth 55mm

## Weight

1.0Kg.

## Optional Extras:

Keyswitch enable/disable.  
Additional buttons (SMU8/16 only).  
Bargraph VU meter.

## Technical Specification

<b>SMU1</b>	
Buttons	Single press to talk
Lamps	1 Busy 1 confirm
Designation strip	None
In-built pre-amplifier	No, always use MPAB3
Material	Steel front plate, weighted base
Flexible gooseneck	300mm
Cable requirement	(without pre-amp) 1 screened pair + 4 core (with pre-amp) 4 screened pairs
Max distance to amplifier	100M (extended to 1 Kilometre by means of MPAB3)
Pre-announce chime	Within MPAB3
Dimensions	(W x H x D) 140 x 95 x 55mm
Weight	1.0Kg

<b>SMU8</b>	
Buttons	8 + press to talk
Lamps	Confirm (Speak now), Peak Limit, 8 sets zone/group busy and confirm
Designation Strip	Behind transparent cover
In-built pre-amplifier	Yes
Material	Steel front plate, weighted base
Flexible gooseneck	300mm
Cable requirement	3 screened pairs*
Max distance to amplifier	1 Kilometre
Pre-announce chime	Built-in (1, 2 or 3 tone with selectable volume), can be disabled
Dimensions	(W x H x D) 240 x 150 x 80mm
Weight	2.4Kg

<b>SMU16</b>	
Buttons	16 + press to talk
Lamps	Confirm (Speak now), Peak Limit, 16 sets zone/group busy and confirm
Designation Strip	Behind transparent cover
In-built pre-amplifier	Yes
Material	Steel front plate, weighted base
Flexible gooseneck	400mm
Cable requirement	3 screened pairs*
Max distance to amplifier	1 Kilometre
Pre-announce chime	Built-in (1, 2 or 3 tone with selectable volume), can be disabled
Dimensions	(W x H x D) 240 x 200 x 110mm
Weight	3Kg

\*extra core required for legacy non Alpha systems

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