



@udio
Logistics

ALP48

Voice Alarm Microphone



Key Features:

- Meets or exceeds EN54-16, BS5839pt8:2008
- Expandable to 48 selector keys
- 99 Entry Event log
- Complete site fault and status display
- Ring or spur connection to controllers
- Digital volume and equalisation control
- 4u Rack mount option
- Articulation meter to indicate operator level
- Three level menu structure
- Large high contrast display

The ALP48 paging panel has been designed to provide a flexible user interface to the @udio Logistics Voice Alarm systems. The panel layout is clean and uncluttered, but contains all the system functions and status indication required by EN54-16 and BS 5839pt8. A large speaker bar is central on the panel and operation is both simple and intuitive.

Control and Indication

Each selector button has a tri-colour indicator, to allow the emergency status of each zone to be seen at a glance, (green for selected/paging, yellow for a zone in alert and red for a zone in evacuate). Instead of the rigid fixing of button functions, all the buttons on the panel can be configured as zone selectors, message buttons, music selectors, fault accept keys or remote control of system functions.

The selector buttons are added in blocks of eight, and the last bank of switches can be replaced by up to four monitored key-switches, which can be used to protect button groups, reset emergency messages or set priorities.

Menu System

All menus and status information are displayed on a large blue-and-white back lit LCD screen, which can be clearly seen in all lighting conditions.

The 99 entry event log records microphone faults and configuration, as well as all the remote faults from amplifiers and matrices distributed on the system.

All management and engineering functions are protected by PIN access control, entered using the navigation keys. The menu structure allows the engineer to completely configure the panel, even setting the microphone level and 3 band Equalisation from the LCD.

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Connections

The ALP48, like all @udio Logistics microphones, requires only 8 cores to connect the microphone to the rack (preferably the four pair enhanced Draka 91-0245 cable, or two 4 core enhanced fire rated cables for emergency use, a CAT 5 screened cable can be used for purely public address operation). The ALP48 microphone can also be wired in a ring configuration for additional redundancy. The case has five 20mm gland knockouts to allow direct termination of fire rated cables. In a ring configuration non enhanced cables can be used for the network.

For custom mimic panels "break-out" boards allow the connection of lamps and switches, replacing the selector keys, and the central indication section and microphone are available on a mounting plate for integration in to the custom unit.

Technical Specification

Microphone

Type	Electret
Sensitivity	-52dB
Impedance	1K

Pre Amplifier

Gain	60dB
Noise	<-60dB
THD+Noise	<0.5%

Processing

Noise Gate	-50dB
Compressor	1:1 to 3:1
Limiter	15:1

Level Control

Type	Digital
Range	30dB

Tone Control

Type	Digital
Range	±12dB
Frequencies	
Bass	100Hz
Mid	1kHz
Treble	5kHz

Chime

Type	1, 2, or 3 Note
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Processor

Type	AVR Series
Flash	128K
RAM	4K
EEPROM	4K
Watchdog	512mS Async
Speed	16MHz

Display

Type	FSTN Blue mode
Backlight	White LED

Communications

Ports	2 (Net in, Net Out)
Mode	Ring Or Spur
Type	RS422
Impedance	120R
Speed	19.2 to 56K Baud

Cables

Per Port	
Cores	8 (four Pairs) Screened
Type	Enhanced for Spurs
	Soft Skin for ring
	CAR5 FTP for PA use

Supply

Inputs	2, Net in, Net Out
Voltage	20-36V nominal
Consumption	<100mA

Standards Compliance

EMC	EN55103-1, EN55103-2
LVD	EN60065
Product Family	EN54-16

Physical

Height	70mm
Width	432mm (17")
Depth	330mm
Rack Spaec	4u
Weight	2.2kg
Material	Stainless steel, extruded Aluminium
Colour	Natural / Black

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