

- 10, 20, 30, 40, or 50 Selection Buttons
- EN54 Compliant Indicators and Controls
- Live, Store-and-Forward, and Recorded Broadcasts
- Silent 'No-Click' PTT Button
- Speech Level 'VU' Bargraph
- Loudspeaker with PA Zone Listen-In Function
- Background Music Input and Control

MPS10 - MPS50 Modular Paging and Emergency Microphone



The MPS10, MPS20, MPS30, MPS40, and MPS50 are powerful and flexible paging microphones which can provide live, store-and-forward, and recorded message broadcast into user selected zones, and also provide EN54 compliant emergency functions and all EN54 mandatory indicators and controls.

The units each consist of a MPS01 sloping desk console with a flexible gooseneck paging microphone, graphic LCD display, and silent operation 'Touch to Talk' touch pad PTT button, together with one or more additional MPX10 zone selection and control button modules. The number of additional buttons depends on the model, with the MPS10 having ten extra Select buttons, and the MPS50 having fifty. PA zone selection is provided by the Select buttons or by using the rotary selector and graphic LCD display. There is also a VU bargraph which displays the microphone signal level.

The MPS range has multiple system interfaces, and can be connected directly to either one or two audio routers. The microphones will also operate in a hardware bypass fallback mode in the event of failure within a host router. All interconnect cabling and the microphone

capsule is continuously monitored.

As well as the main microphone gooseneck, there are 3.5mm jack plug connections for an auxiliary audio input, such as for background music, and for connection of a microphone headset. A general purpose local contact input and output enables use with PTT foot switches and external speak now indicators.

The units can be fitted with a uSD card to hold user recorded or pre-recorded audio messages, and custom user chimes, and can be used to replay these messages over the PA system. A speaker is provided on the underside of the console, and this enables preview of the locally stored DVA messages, and also enables remote PA zones to be listened to.

Features Continued:

- Fully Monitored, with EN54 Fault List Display
- Wall Mount, Headset and Fist Microphone Options
- PA Zone Selection on Buttons or Graphic LCD Display
- Dual Redundant Audio Outputs for A & B Routers plus Hardware BypassFallback

Technical Specification

General

Power Supply Inputs	Dual 18 to 48V DC
	Dual Redundant Power Inputs on Router Mic. Ports
	PoE on Ethernet Port
Current Consumption	
Min.	98mA @ 24V DC supply
Max. (MPS01 Base Unit)	152mA @ 24V DC supply
Max. (Extra per ten button module)	100mA@ 24V DC
Chimes	1, 2 and 3 Note Chimes, plus User Chime
	uSD Card User Wav files or via ASL Router
Format / Colour	Sloping desk console/ Black and grey

Installation Connections

Position	MPS Connection Bay on Underside
Direct Router Connections	2 ports / RJ45
	Router 1 Mic. Port & Router 2 Mic. Port
Audio Out	0dBu balanced (nominal) / 66R
Control Data	EIA RS485 / 38400 baud
'Listen In' Audio Input	0 dBu balanced (nominal)
Hardware Bypass Connections	1 port / RJ45
	Mic. Aux Port
Push To Talk (PTT) switch	Router 1 & Router 2
Speak Now Indicator	Router 1 & Router 2
Listen-In Audio Input	0dBu balanced (nominal)
	On the MIC.AUX Port
IP Network Connection	100baseT Ethernet / RJ45
	With PoE (Power over Ethernet)
USB Connection	USB Slave / 'B' Socket
	(Used for Software and Config Update only)

User Interface

Front Panel GUI	LCD Display and Buttons
	All EN54-16 Mandatory Controls and Indicators
	Fault Reporting & Status Display
Buttons	All Touch Sensitive
PTT	No-Click Touch Pad PTT
GUI Navigation	Touch Rotary Selector
Menu Controls	Fault Mode / Setup Mode
LED Indicators	EN54 and General
General Indicators	2 Indicators
	PTT Touch Indication
	VU Level Bargraph (5 LEDs)
EN54 Mandatory Indicators	4 LEDs
	Power / Voice Alarm / System fault / Fault
LCD Display	Graphic dot matrix backlit
GUI Languages	English plus Custom Language
	Custom Language stored on uSD Card
Emergency Mode Select	Side Panel Keyswitch
	Raises priority to Emergency Level
	Enables EN54 LED Operation
Standards	EN54-16, ISO 7240-16 / BS5839-8
Microphone	Replaceable / Alternate Types Available
	Gooseneck or Fist Mic.

Audio Sources and IP Connectivity

Audio Sources	Mic. / Aux. Audio / Recorded DVAs
Microphone	Live Speech Input
Mic. Types	Gooseneck or Fist Mic. (Factory Fit options)
Modes	Live / Store and Forward
IP Network	Two simultaneous channels out, plus one in
Aux. Input Port	Mic. / Aux. Audio / Recorded DVAs s
	Background Music (BGM)
	(Or Auxiliary Audio Source)
Recorded DVA Message Storage	uSD Card Storage
	Routine 'Security' Messages
	Custom 'User' Chimes

Button Modules

Buttons	Ten Buttons per MPX10 Add-On Module
Button Functions	PA Zone Select / Listen-In Select / DVA Routing / Music Control / Routing Control / Others
Button Label	Printed Label Under Protective Clip-In Window
Button LEDs	Three LEDs per Select Button
Paging Mode	Green = 'Select' / Yellow = 'Listen-In' / Red = 'Busy'
EN54 Emergency Mode	Green = 'Select' / Yellow = 'Fault' / Red = 'Voice Alarm'

Environmental

Temperature Range	-10°C to +55°C
	(Operating and Storage)
Humidity Range	0% to 93% Non-condensing
Ingress Protection	IP30

Dimensions and Weight

Dimensions (H x W x D)	(Excluding gooseneck)
MPS10	52mm x 288mm x 200mm
MPS20, MPS30; MPS40; MPS50	Add 110mm Width for every 10 Buttons
Standard Gooseneck length	300mm
Weight	
MPS10	1.2kg
MPS20, MPS30; MPS40; MPS50	Add 0.2kg for every 10 Buttons

