



MPX88

SurfaceTouch™ paging microphone 8 zones

Highlights:

- High quality back electret condenser capsule with cardioid pickup pattern
- Level & status indication LED's
- Tilttable pipe-neck microphone
- SurfaceTouch™ front panel
- Capacitive & illuminated selection buttons (8x)

Product information:

The MPX series are paging microphones specifically designed for use in combination with MTX series audio matrix systems. The MPX88 is the 8-zone system allowing it being used in combination with an MTX88 8-zone audio matrix system. The modern shaped enclosure is finished with a real glass front panel provided with an anti-glare coating. This offers a microphone with elegant outlook which will be appreciated in any office or even design interior environment. The controls are integrated in the glass panel through capacitive touch button principle without any mechanically moving parts, same as the indicator LED's which are completely blended. This guarantees a real high-end outlook and user experience. An integrated chime tone is audible before each announcement. Announcements are made through the integrated pipe-neck microphone with a cardioid pickup pattern, which can be tilted to the desired angle. Both zone selection and data bus indicators are implemented, giving an overview of the systems current operation mode and data bus occupation. Quick operation is made possible using the 'select' & 'clear all' buttons, while the 'push-to-talk' (PTT) button must be pressed during announcements. Connection to the matrix system is done through a fixed connection cable with a length of 2 meter. This distance can be extended to a maximum length of 300m using standard CAT5E (or better) twisted pair cabling. Cascading multiple paging stations is possible using the priority-based (user-configurable) databus, when using the additional junction box ARJ03P.

Applications:

- Public facilities
- Corporate spaces
- Sport facilities



System specifications:

Microphone	Type	Back electret condenser
	Length	250 mm
Frequency	Response (± 3 dB)	50 Hz - 16 kHz
Sensitivity (1W/1m)		45 dB
Sound Pressure (Max. W/1m)		130 dB
Power	Consumption	1.5 W
	Supply	24 V DC (from MTX)
Connectors		RJ45 (Fixed 2 m cable)
Polar Pattern		Cardioid

Product Features:

Dimensions		221.5 x 43 x 111.6 mm (W x H x D)
Weight		0.330 kg
Construction		ABS
Databus	Control	RS-485
	Audio	Differential analogue
Colours		Black (RAL9004)
Paging Zones		8 Zones (use with MTX88)

Architects' and Engineers' Specifications:

The digital paging microphone shall be a one zone system, allowing free selection and programming of zones and/or functions. It shall contain a gooseneck microphone with a length of 350 mm which is fitted with a back electret condenser element with cardioid polar pattern. A built-in compressor/limiter shall keep the output level of the microphone at a constant level.

The front panel shall contain LED indicators whereby the level of the spoken message can be monitored, giving feedback to the speaker for a clear and intelligible spoken message. Another LED shall indicate whether the data bus is occupied by another console which may be connected to the same data bus.

The programmable function of the zone/function indication button shall include zone selection, push-to-talk, relay activation and voice file playback.

In addition to these standard features, 'Multiple Ding-Dong' and 'Voice file playback' functionality shall be offered, allowing you to upload custom chime tunes for playback ahead of spoken voice announcements and record or upload messages for storage in the internal memory allowing playback triggering by button activation or at pre-defined moments.

The audio output shall be configurable and compatible with both analogue and digital audio systems, allowing the paging microphone to be used in combination with various intelligent matrix systems as well as intelligent relay switch units enabling implementation to other sound / announcement systems.

The connection of the paging system with the main unit shall be implemented using a single RJ45 connector which includes both data and power distribution. The used transmission medium for both audio and RS-485 communication shall be done over one single UTP CAT5E (for analogue audio transfer) or CAT6 (for digital audio transfer) cable.

The system enclosure shall be solid constructed using steel materials with a front panel finished in a grey metallic colour. The base dimensions shall be 120 x 55 x 190 mm and the weight shall not exceed 1.35 Kg.