

PLM-8CS PLENA matrix 8 Zone Call Station

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Invented for life



- ▶ Capacitive touch
- ▶ Programmable zone selection
- ▶ Modern aesthetic design
- ▶ Powered from PLM-8M8
- ▶ Loop-through to connect with either more Call Stations or Wall Control Panels

The PLM-8CS PLENA matrix 8 Zone Call Station is an accessory of the PLM-8M8 PLENA matrix 8 channel DSP Matrix Mixer, and like any good accessory it has a complementary aesthetic design, but behind the good looks and sleek design, there is a product of substance and usability.

With one touch, the call station can call either a single zone, or a user defined group of zones.

Installation couldn't be easier; Powered over standard CAT 5 from the PLM-8M8, the unit's communication is via RS485, this means that multiple call stations can be daisy-chained together reducing cable runs and installation time.

Functions

Controls and indicators

There are 8 capacitive touch areas on the surface to select zones before a call, and the LED lights are white. The PTT button is a mechanical interface, to give the user tactile feedback that the PTT has been activated. In addition to this feedback there is a LED strip above the PTT button to give the indications when the zone is busy "red", to wait while a preamble chime is being played "yellow", and to indicate the microphone is open and active "green". LEDs eliminate

in the microphone stem and the PTT LED strip giving the user confidence that the microphone is open and active.

Labeling

Labeling the unit couldn't be easier. Simply use the PC GUI software to print of the labels. This will also include white text on black background, so the aesthetics of the unit are kept.

Unit ID and Priorities

Priorities are made in the software of the PLM-8M8 8 channel DSP Matrix Mixer, and each call station has its unique ID, this is set via DIP switches in the base of the call station.

Certifications and approvals

Safety	According to EN 60065
EMC emission	According to EN 55103-1
EMC immunity	According to EN 55103-2

Installation/configuration notes

Loop Through.

Both PLM-8CS and PLM-WCP Wall Control Panel units can be connected in series (daisy-chain), reducing the number of cable runs that need to be made in an installation. Both PLM-8CS and PLM-WCP are powered from the PLM-8M8 8 Channel DSP Matrix Mixer.

In a daisy chain of 8 call stations, we recommend the safe cable distance to be a maximum of 500 m to the last unit in the chain.

Parts included

Quantity	Components
1	PLM-8CS 8 Zone Call Station
1	Safety documentation

Technical specifications

Electrical

Power supply (supplied by PLM-8M8)	
Voltage range	30 - 50 VDC
Power consumption	1.5 W

Performance

Microphone type	Cardoid
Frequency response (-3dB)	100 Hz to 20 kHz (+0/-3 dB)
Input Clip level	-11 dBu (-13.3 dBV)
THD+N (1 kHz, 6 dBFS):	<0.03 %
<ul style="list-style-type: none"> Dynamic range (A-weighted) (mid gain setting) 	>97 dB(A)
<ul style="list-style-type: none"> Output level 	24.4 dBu (22.2 dBV)

Connectors

Connectors	2x
RS485 loop-through	RJ45

Mechanical

Base dimensions (H x W x D)	50 x 156 x 140 mm (2 x 6.1 x 25.5 in)
Microphone stem length	390 mm (15.35 in)
Color	Traffic black (RAL 9017) Silver (RAL 9006)
Weight	Approx. 0.77 kg Approx. 1.69 lb

Environmental

Operating temperature	-10 °C to +45 °C
Storage temperature	-40 °C to +70 °C
Relative humidity	<95%

Ordering information

PLM-8CS PLENA matrix 8 Zone Call Station

8 zones.

Order number **PLM-8CS**

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