

# PLM-8CS PLENA matrix 8 Zone Call Station

www.boschsecurity.com



**BOSCH**  
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

illuminate 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

Region	Certification
Europe	CE

### 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"> <li>Dynamic range (A-weighted) (mid gain setting)</li> </ul>	>97 dB(A)
<ul style="list-style-type: none"> <li>Output level</li> </ul>	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

Call station, 8 zones.

Order number **PLM-8CS**

**Represented by:**

**Americas:**

Bosch Security Systems, Inc.  
12000 Portland Avenue South  
Burnsville MN 55337, USA  
Phone: +1-800-392-3497  
Fax: +1-800-955-6831  
audiosupport@us.bosch.com  
www.boschsecurity.com

**Europe, Middle East, Africa:**

Bosch Security Systems B.V.  
P.O. Box 80002  
5617 BA Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**

Robert Bosch (SEA) Pte Ltd, Security  
Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia

**China:**

Bosch (Shanghai) Security Systems Ltd.  
201 Building, No. 333 Fuquan Road  
North IBP  
Changning District, Shanghai  
200335 China  
Phone +86 21 22181111  
Fax: +86 21 22182398  
www.boschsecurity.com.cn

**America Latina:**

Robert Bosch Ltda Security Systems Division  
Via Anhanguera, Km 98  
CEP 13065-900  
Campinas, Sao Paulo, Brazil  
Phone: +55 19 2103 2860  
Fax: +55 19 2103 2862  
latam.boschsecurity@bosch.com  
www.boschsecurity.com