#### **PLENA matrix – DSP Matrix Mixer**

### **DSP Matrix Mixer features**

#### **User features:**

- → Independent zone selection x 8
- → Input metering (PFL)
- → Independent mixing of 4 x mic/line inputs per zone
- → Independent 3 x BGM source selection per zone
- Paging level control per zone
- Mute (all inputs and outputs)

#### **Configuration features:**

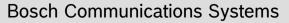
- Input gain, HPF, +48 V
- → Input PEQ (5 filters mic/line)
- Dynamic range compression/limiting
- → Crossover (HPF, LPF, up to 8th order)
- → Output PEQ (8 filters per output)
- → Dynamic Bass Enhancement on/off
- Output delay (120 ms)
- → Output level control with phase inversion
- Call Station setup and configurations
- → Ducking setup, override and tones setup
- → Security and user access control setup
- Auto Standby mode setup













### **PLENA matrix – DSP Matrix Mixer**

# PLM-8M8 8-Zone DSP Matrix Mixer

Front panel (no front panel controls)

Call Station microphone-in-use indicator

+48 VDC phantom power

Call Station and Wall Control Panel data



Power indicator

Ethernet control data

Mic/Line signal present and clip

Output signal

BGM line input signal present and clip



### **PLENA matrix – DSP Matrix Mixer**

# PLM-8M8 8-Zone DSP Matrix Mixer

Rear panel layout

Contact closures for activation of emergency tones and override input

Wall Control Panel connection



Power switch and connector

Line outputs

3 x BGM line inputs via RCA

Ethernet control port

Amp Link outputs

4 x Mic/ line input via XLR/TRS combo connectors

Balanced line input for active override

Call Station connection

**Bosch Communications Systems** 

