

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



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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

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→ 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