MX-500

5x5 matrix control unit

Audio matrix with 5-zone DSP. With 5 audio inputs and 5 audio outputs, it allows the broadcasting of announcements remotely, as well as the control and management of the public address system through the MX-555M control panel.

Each channel can be independently linked to the MX-555M control panel and the MX-555S volume control, as well as to the MX-501 paging desk.

- ✔ 3 AUX inputs with independent level adjustment.
- ✔ 1 MIC phantom 48V input with independent level adjustment.
- ✔ 1 media player input (AUX via mini-jack, USB, Bluetooth, FM tuner).
- ✔ 5 independent signal outputs for 5 zones.
- ✔ EMC priority input controlled by remote control.
- ✔ RS232 external control connector.
- ✔ 5 RJ45 connectors for MX-555S and RJ45 connector for MX-555M.
- ✔ Output and level indicator.

Technical characteristics

Power supply	100-240V AC 50/60Hz
Fuse	T1A
Audio sources	USB / Bluetooth V5.0 / Radio FM / AUX
Inputs	XLR (microphone) Phantom powered 3 x AUX per euroblock
Sensitivity	**Mic:** -41dBV **Line:** -12.5dBV **MX-501:** 4dBV **EMG:** -10dBV
Signal Noise / Ratio	**Mic:** 65dB **Line:** 73dB
Outputs	5 outputs per stereo euroblock
Output impedances	600 Ω
THD+N	<0.1%@1KHz
Phantom Power	+24V DC
Connection	RJ45
Frequency response (+/-3dB)	20Hz-20kHz
Audio attenuation during desk announcements	-30dB
Dimensions	483×177×44mm
Weight	1.76kg

1. AUX input 3.5mm jack

2. Media player module

3. Output signal level

4. Active zones from desk
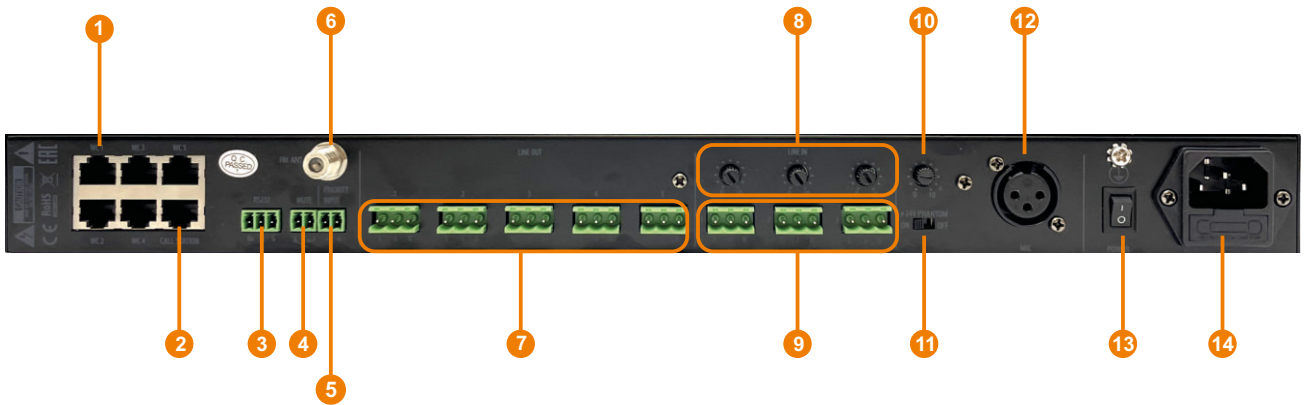
1. RJ45 connection for MX-555S (x5) and MX-500M panel*

2. RJ45 connection for desk MX-501

3. RS232 interface for MX-555M

4. External mute

5. Priority audio input (EMG)

6. FM antenna

7. Stereo audio outputs

8. Gain adjustment inputs

9. Signal inputs

10. MIC level adjustment

11. PHANTOM 24V DC power supply selector

12. MIC input**.

13. ON / OFF switch

14. AC 100-240Hz power supply input

*If 4 or less MX-555S units are used, the control touch panel can be connected to any free RJ45, except the one for connecting the MX-501 desk.

**When a message is broadcast from the microphone connected to the MIC input, it is broadcast to all zones, and all other outputs are cut off.