



MXR 4500/6

RACK MOUNT AMPLIFIED MASTER UNIT



Description

MXR 4500 is the master unit of the Voice Alarm system DXT 4000, dedicated to rack mount small and medium size applications where an EN 54-16 certified system is required. It is equipped with powerful and exceptionally reliable Class D power amplifiers, able to provide up to 500 W of total power. Depending on the model, it is able to serve up to 6 independent zones, and the spare power amplifier facility is available. The internal power supply is certified EN 54-4. The on-board DSP platform allows optimizing environmental equalization, maximizing voice intelligibility and background music performance. Up to 8 units can be connected in a MASTER-SLAVE configuration, thanks to the natively included IE 3008 additional board. The system can be completed with emergency microphone consoles BM 3804, BM 3804FM and ME 3801, and the buttons extensions BE 3806, allowing to add live announcements functionality.

Features

- › 500 W total power
- › Up to 6 zones controlled
- › On-board DSP platform
- › Certified EN 54-16 and EN 54-4
- › Emergency messages on monitored SD card
- › Spare power amplifier facility
- › Integrated audio source on front panel
- › Rack mount installation (4U)
- › Up to 8 units connectable in a master-slave configuration

Part Number

12100069 MXR 4500/6

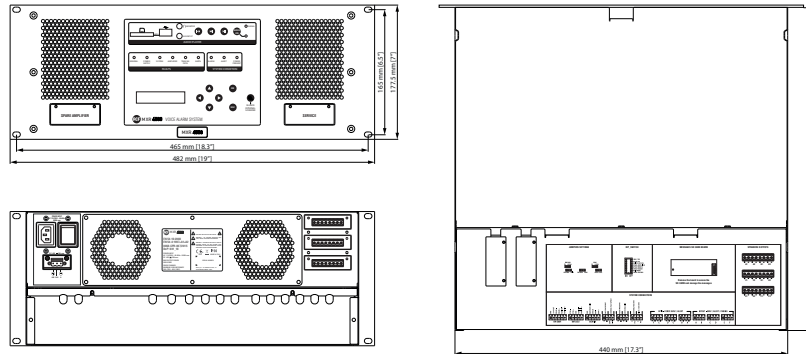
220-240/115 V Black - RAL 9005 EAN 8024530021788



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Line Art 2D



TECHNICAL SPECIFICATIONS

System specifications

| | |
|---|-------------------|
| Number of zones managed | 6 |
| Built-in power amplifier | Yes |
| Spare amplifier automatic change-over | Yes |
| Max number of consoles | 4 |
| Number of console buses | 1 |
| Number of simultaneous emergency audio channels | 1 |
| Max number of units connectable | 8 |
| Communication bus | Serial |
| Connection Cables | J-Type fire-rated |
| Integrated pre-recorded emergency messages | Yes |

Amplifier specifications

| | |
|--|----------------|
| Amplifier Class | D+ |
| Number of channels | 6 |
| Power output (@ 100 V) | 500 W RMS |
| A/B speakers line | Yes |
| Frequency Response (-3dB) | 80 Hz ÷ 16 kHz |
| Signal/noise rate ("A" weighted) | >98 dB |
| Distortion (THD+N) @ 1 kHz nominal power | <0.3 % |

Input section

| | |
|------------------------------|-----------------|
| Total number of inputs | 3 |
| Balanced | 3 |
| Mono | 3 |
| Line inputs | 2 |
| Line connectors | Euroblock, JACK |
| VOX | Yes |
| Paging inputs | 1 |
| Paging connectors | Euroblock |
| Paging command | Serial |
| Paging emergency | Yes |
| General Purpose Inputs (GPI) | 6 |
| Monitored GPI | 6 |
| Photo-coupled GPI | 6 |



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|--------------------------------|-------------------------------|-------------------------|---------------|
| Output section | Signal output number | 1 | |
| | Signal output connectors | JACK | |
| | Power output lines | 6 | |
| | Power output connectors | Euroblock | |
| | General Purpose Outputs (GPO) | 6 | |
| Processing | DSP | Yes | |
| | Tone controls | Yes | |
| | High-pass filter | 20 Hz ÷ 500 Hz | |
| Controls | Configuration | DIP switch, Front panel | |
| | Chime tone | Yes | |
| Protections | Cooling | Convection | |
| | Short circuit | Yes | |
| | Thermal | Yes | |
| | DC | Yes | |
| | Fuses | Yes | |
| Audio sources | VHF (Very High Frequencies) | Yes | |
| | USB pen drives | Yes | |
| | SD card | Yes | |
| Power requirement | Operating voltage | 220-240/115 V- 50/60Hz | |
| | Voltage selection | Internal | |
| | DC power | Yes | |
| | DC power value | 48 V | |
| | Power consumption | 700 W | |
| Standard compliance | IP protection grade | IP 30 | |
| | Safety agency | CE compliant | |
| | EN54-16 certified | Yes | |
| | EN54-4 certified | Yes | |
| Physical specifications | Color | Black - RAL 9005 | |
| | Rack mounting | 19", 4U | |
| Size | Height | 178 mm / 7.01 inches | |
| | Width | 482 mm / 18.98 inches | |
| | Depth | 426 mm / 16.77 inches | |
| | Weight | 14.2 kg / 31.31 lbs | |
| | | | |
| | ACCESSORIES | | |
| Cables Electronics | - BE 3806 | 14380036 | 8024530012120 |
| | BH 1042 | 17360040 | 8024530011796 |
| | BM 3022 | 14322013 | 8024530007034 |
| | BM 3804 | 14380028 | 8024530012137 |
| | BM 3804FM | 14380037 | 8024530012885 |
| | ME 3801 | 14322030 | 8024530015732 |
| | CJ 428CAT | 12399047 | 8024530016449 |
| | BATT 18AH 2X | 13360317 | 8024530015923 |
| | EOL 3-9 | 17170176 | 8024530011864 |
| | IT 3010 | 12399049 | 8024530016388 |
| | MG 3006 | 13360344 | 8024530013356 |