



MXR 4500/4

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 4 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

12100068 MXR 4500/4

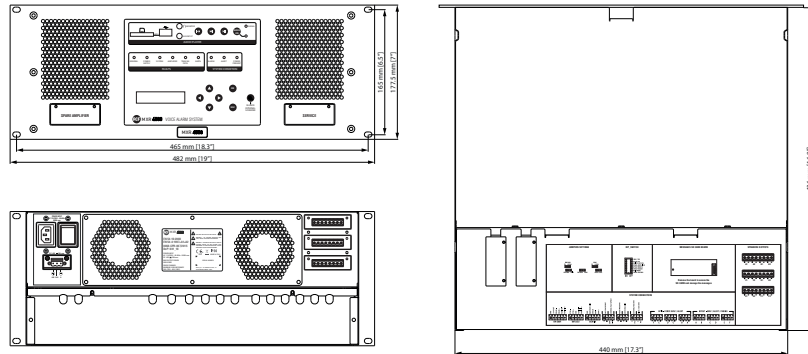
220-240/115 V Black - RAL 9005 EAN 8024530021771



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Line Art 2D



TECHNICAL SPECIFICATIONS

System specifications

Number of zones managed	4
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	4
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	4
	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	Safety agency	CE compliant
	EN54-16 certified	Yes
	EN54-4 certified	Yes
	CPR number	0068-CPR-230/2025
Physical specifications	Cabinet/Case Material	Metal
	Color	Black - RAL 9005
	Rack mounting	19", 4U
Size / Weight	Height	178 mm / 7.01 inches
	Width	482 mm / 18.98 inches
	Depth	426 mm / 16.77 inches
	Weight	12.75 kg / 28.11 lbs
	ACCESSORIES	
	14380036 BE 3806	EAN 8024530012120
	14322013 BM 3022	Grey EAN 8024530007034
	14380028 BM 3804	EAN 8024530012137
	14380037 BM 3804FM	Red - RAL 3000 EAN 8024530012885
	17170179 CR 2609	Grey - RAL 7035 EAN 8024530015961
	17170129 CR 2615FV	Grey - RAL 7035 EAN 8024530005870
	17170081 CR 2628	Grey - RAL 7035 EAN 8024530005306
	17170082 CR 2642	Grey - RAL 7035 EAN 8024530005313
	14322030 ME 3801	White EAN 8024530015732
	RACK COMPONENTS	
	17360040 BH 1042	EAN 8024530011796
Electronics	BATTERIES	
	13360317 BATT 18AH 2X	EAN 8024530015923
	BOARDS	
	12399049 IT 3010	Black EAN 8024530016388
	13360344 MG 3006	EAN 8024530013356



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Electronics

END OF LINES

17170176 EOL 3-9

EAN 8024530011864

Cables

CABLES

12399047 CJ 428CAT

EAN 8024530016449