



# MXR 4500/2

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 2 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

12100067 MXR 4500/2

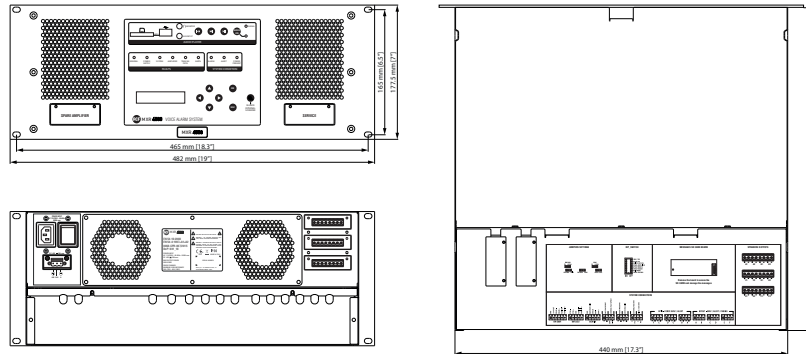
220-240/115 V Black - RAL 9005 EAN 8024530021764



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## RACK MOUNT AMPLIFIED MASTER UNIT

Line Art 2D



### TECHNICAL SPECIFICATIONS

#### System specifications

Number of zones managed	2
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	2
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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<b>Output section</b>	Signal output number	1
	Signal output connectors	JACK
	Power output lines	2
	Power output connectors	Euroblock
	General Purpose Outputs (GPO)	6
<b>Processing</b>	DSP	Yes
	Tone controls	Yes
	High-pass filter	20 Hz ÷ 500 Hz
<b>Controls</b>	Configuration	DIP switch, Front panel
	Chime tone	Yes
<b>Protections</b>	Cooling	Convection
	Short circuit	Yes
	Thermal	Yes
	DC	Yes
	Fuses	Yes
	VHF (Very High Frequencies)	Yes
<b>Audio sources</b>	USB pen drives	Yes
	SD card	Yes
<b>Power requirement</b>	Operating voltage	220-240/115 V- 50/60Hz
	Voltage selection	Internal
	DC power	Yes
	DC power value	48 V
	Power consumption	700 W
<b>Standard compliance</b>	IP protection grade	IP 30
	Safety agency	CE compliant
	EN54-16 certified	Yes
	EN54-4 certified	Yes
<b>Physical specifications</b>	Color	Black - RAL 9005
	Rack mounting	19", 4U
<b>Size</b>	Height	178 mm / 7.01 inches
	Width	482 mm / 18.98 inches
	Depth	426 mm / 16.77 inches
	Weight	11.3 kg / 24.91 lbs
	<b>ACCESSORIES</b>	
	- BE 3806	14380036 8024530012120
	BH 1042	17360040 8024530011796
	BM 3022	14322013 8024530007034
	BM 3804	14380028 8024530012137
	BM 3804FM	14380037 8024530012885
	ME 3801	14322030 8024530015732
<b>Cables</b>	CJ 428CAT	12399047 8024530016449
<b>Electronics</b>	BATT 18AH 2X	13360317 8024530015923
	EOL 3-9	17170176 8024530011864
	IT 3010	12399049 8024530016388
	MG 3006	13360344 8024530013356