



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

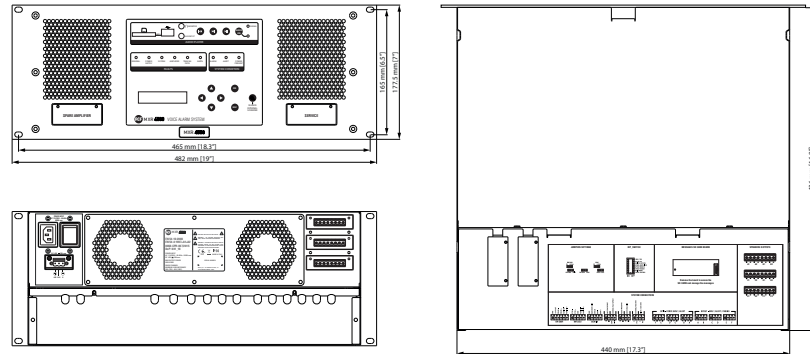
Part Number 12100067 MXR 4500/2 220-240/115 V Black - RAL 9005 EAN 8024530021764



MXR 4500/2

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 %



MXR 4500/2

RACK MOUNT AMPLIFIED MASTER UNIT

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
Output section	Signal output number	1
	Signal output connectors	JACK
	Power output lines	2
	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
	VHF (Very High Frequencies)	Yes
Audio sources	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



MXR 4500/2

RACK MOUNT AMPLIFIED MASTER UNIT

Physical specifications

Cabinet/Case Material	Metal
Color	Black - RAL 9005
Rack mounting	19", 4U
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

Size / Weight

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

Electronics

BATTERIES

13360317	BATT 18AH 2X	Black	EAN 8024530015923
----------	--------------	-------	-------------------

BOARDS

12399049	IT 3010	Black	EAN 8024530016388
13360344	MG 3006		EAN 8024530013356

END OF LINES

17170176	EOL 3-9		EAN 8024530011864
----------	---------	--	-------------------

Rack Components

RACK COMPONENTS

17360040	BH 1042		EAN 8024530011796
----------	---------	--	-------------------

Cables

CABLES

12399047	CJ 428CAT		EAN 8024530016449
----------	-----------	--	-------------------