



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

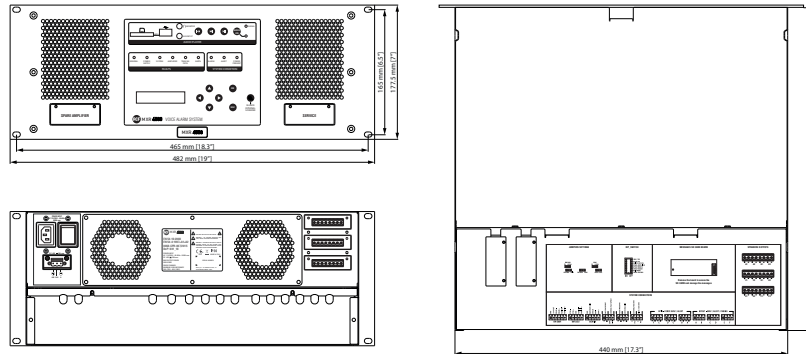
220-240/115 V Black - RAL 9005 EAN 8024530021771



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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	IP protection grade	IP 30		
	Safety agency	CE compliant		
	EN54-16 certified	Yes		
	EN54-4 certified	Yes		
Physical specifications	Cabinet/Case Material	Metal		
	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	Grey	8024530007034
	BM 3804	14380028		8024530012137
	BM 3804FM	14380037	Red - RAL 3000	8024530012885
	ME 3801	14322030	White	8024530015732
	CJ 428CAT	12399047		8024530016449
	BATT 18AH 2X	13360317		8024530015923
	EOL 3-9	17170176		8024530011864
	IT 3010	12399049		8024530016388
	MG 3006	13360344		8024530013356