



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

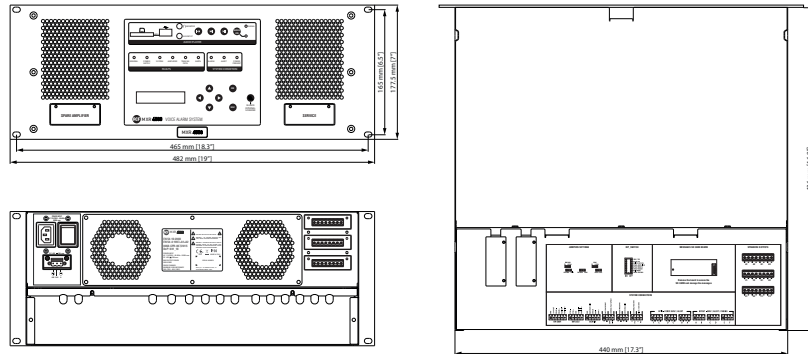
220-240/115 V Black - RAL 9005 EAN 8024530021771



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Line Art 2D



System specifications

TECHNICAL 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			
	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	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	-	BE 3806	14380036	8024530012120	
		BH 1042	17360040	8024530011796	
		BM 3022	14322013	8024530007034	
		BM 3804	14380028	8024530012137	
		BM 3804FM	14380037	8024530012885	
		ME 3801	14322030	8024530015732	
	Cables	CJ 428CAT	12399047	8024530016449	
		Electronics	BATT 18AH 2X	13360317	8024530015923
			EOL 3-9	17170176	8024530011864
			IT 3010	12399049	8024530016388
			MG 3006	13360344	8024530013356