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

Products are continually improved. All specifications are therefore subject to change without notice.

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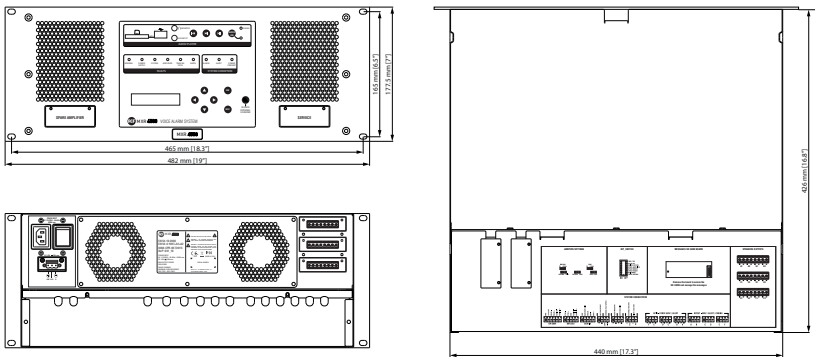
Line Art 2D



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	FTP CAT 5
	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 %

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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

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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	11.3 kg / 24.91 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
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