

MX 3500/6

AMPLIFIED MASTER UNIT

DESCRIPTION

MX 3500 is the master unit of the evacuation system DXT 3000, dedicated to small and medium size applications, where an EN54-16 system is required.

It is equipped with a DSP platform and up to 6 RCF Class D+ power amplifiers, able to provide a maximum power of 500W on 100V or 70V speaker lines. A spare power amplifier with automatic replacement of a faulty unit is configurable too. It hosts batteries and the necessary EN54-4 circuitry for the DC back-up.

Furthermore it offers inputs, controls and pre-recorded messages to get a real plug & play solution. The system can be completed with monitored emergency consoles BM 3804, BM 3804FM, ME 3801 and the 6 button extensions BE 3806, allowing to complete the installation by adding live announcements. Local single-button paging consoles (not monitored) BM 3022 and background music programs can be implemented as well. DXT 3000 system has been designed to be wired by using very convenient fire-rated J-TYPE cables for paging console and interlink connections.

FEATURES

- Master Unit 500W, 6 zones
- RCF Class D+ technology power amplifiers
- Spare power amplifier with automatic replacement
- Internal power supply with battery charger
- Batteries placement inside the cabinet
- Emergency messages on monitored SD card
- Integrated audio source on front panel



TECHNICAL SPECIFICATIONS

System specifications

Number of zones managed:	6
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:	6
Power output (@ 100 V):	500 W RMS
A/B speakers line:	Yes
Frequency Response (-3dB):	80 Hz ÷ 16 kHz
Signal/noise rate ("A" weighted)	>80 dB 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

Output section

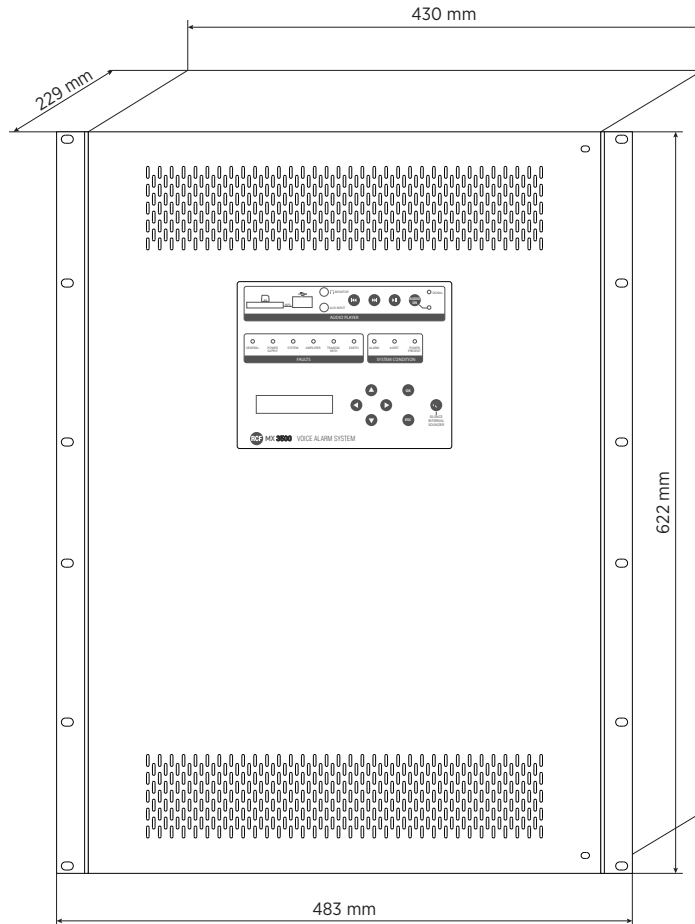
Signal output number:	1
Signal output connectors:	JACK
Power output lines:	6
Power output connectors:	Euroblock
General Purpose Outputs (GPO):	6

Processing

DSP:	Yes
Tone controls:	Yes
High-pass filter:	20 ÷ 500 Hz

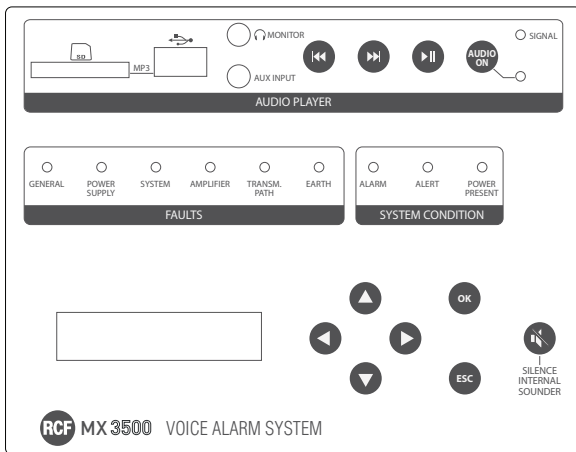
Controls	Configuration:	DIP switch, Front panel
	Chime tone:	Yes
Protections	Cooling:	Convection
	Short circuit:	Yes
	Thermal:	Yes
	DC:	Yes
	Fuses:	Yes
	VHF (Very High Frequencies):	Yes
Audio sources	USB pen drives:	Yes
	SD card:	Yes
Power requirement	Operating voltage:	220-240/115 V- 50/60HzV - Hz
	Voltage selection:	Internal
	DC power:	Yes
	DC power value:	48 V
	Power consumption:	700 W
Standard compliance	IP protection grade:	IP 30
	EN54-16 certified:	Yes
	EN54-4 certified:	Yes
	CE marking:	Yes
	CPR number:	0068-CPR-007/2015
Physical specifications	Cabinet/Case Material:	Metal
	Color:	White
	Rack mounting:	19", 14U
Size	Height:	620 mm / 24.41 inches
	Width:	430 mm / 16.93 inches
	Depth:	230 mm / 9.06 inches
	Weight:	22 kg / 48.5 lbs
Shipping informations	Package Height:	340 mm / 13.39 inches
	Package Width:	680 mm / 26.77 inches
	Package Depth:	500 mm / 19.69 inches
	Package Weight:	25.8 kg / 56.88 lbs

DRAWINGS



PANELS

Front panel



Internal connections

