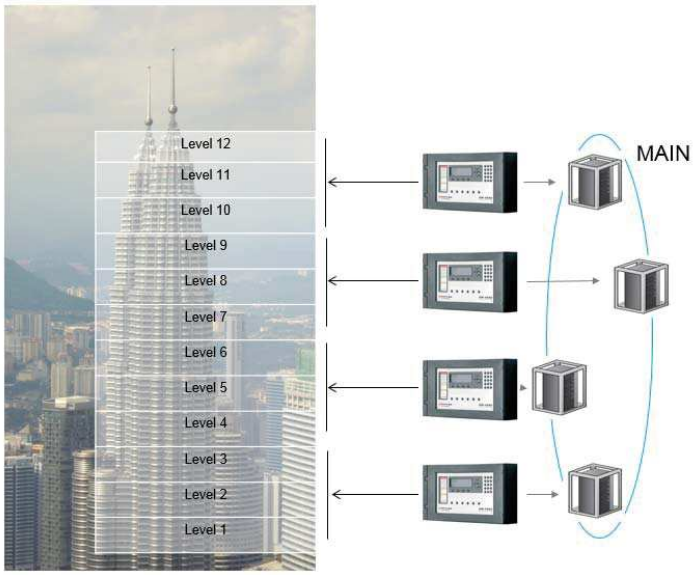
AUDIONET-MX

STAND ALONE SYSTEM
AUDIONET-MX is a certified EN54-16 voice alarm audio system that is intended to be used in applications where voice evacuation and general public address is needed. The system is configurable upon the layout of the building thanks to its extreme flexibility.
Its units and sub-systems allow to setup configuration that will manage up to 110 zones and up to 120 microphone stations.
The system can forward recorded alarm messages to dedicated zones. Each zone has two independent and dedicated messages, in this way is possible to share specific audio messages to different zones simultaneously. All signal and data paths are fully monitored in according with the requirements of the EN54-16 regulation.
The system has a dedicated configuration software to manage the entire routing and message storage.

LOOP NET
Is possible to share audio messages and live calls on a net (loop style) of maximum 32 systems with 110 audio lines each, where the main Master matrix will receive all the system events of the others sub systems.

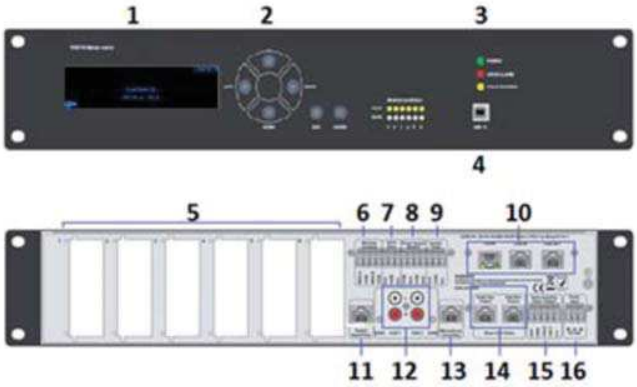


MAIN FEATURES AND FUNCTIONALITIES
- Voice alarm sound system configurable from 1 to 110 zones
- Independent controller for each zone
- Two dedicated recorded messages for each zone
- Monitored trigger contacts for alarm messages
- Continuous and independent monitoring of power amplifiers and loudspeaker lines, including ground fault
- No loudspeaker line termination is needed (18 KHZ tone pilot)
- Initial calibration of loudspeaker lines and power amplifiers
- Spare amplifier connections on master and slave units
- Independent volume and tone control for each zone
- Independent volume and tone control for each audio program, spoken or recorded
- Background music input
- Up to 121 microphone station management. Each microphone station is fully monitored.
- Continuous monitoring of audio patch and mic. capsule on each microphone station.
- Operation through 3 password protected access levels
- Internal events log list
- Dry contacts for system status monitoring
- Extension slots for future uses and system upgrades.

MX6Z-AN
Master Matrix



Audio master matrix, certified EN54-16, predisposed for the insertion of 6 MZA-AN or MZAB-AN modules to control the amplifier and the speakers line. LCD front panel display, function keys, power LED, FAULT WARNING VOICE, ALARM and led FAULT, BUSY for each zone. Front USB socket for connection to PC. 24 Vdc power input, connector for input amplifier reserves, two RJ45 connectors for connection to the slave matrix, one RJ45 connectors for connecting the console microphone. Input connector for two activation messages and contacts connector in / out programmable, monitor of EN54-4 UPS.



1. LCD
2. Navigation keyboard
3. Status LED: 'POWER' to indicate the 'POWER-ON' status, 'VOICE ALARM' to indicate a message is running, 'FAULT WARNING' to indicate a system fault.
4. USB port to connect SECURAUDIO (configuration software).
5. 6 x Predisposed slot to insert MZA-AN (single line zone controller) or MZAB-AN (redundant A+B line).
6. 2 x monitored digital inputs for activations.
7. 1 x relais output (general Alarm).
8. PSU input.
9. 1 x relais output (System Fault).
10. Predisposed slot to insert SLT-AN module (loop net card).
11. 1 x RJ-45 (not used, for future extensions).
12. 2 x RCA input terminals (AUX Music1 and AUX Music 2), complete with GAIN trimmer.
13. 1 x RJ-45 terminal to connect up to 121 monitored call stations.
14. 2 x RJ-45 terminals to connect slave matrix (MX8Z-AN) to extend the system.
15. Dedicated terminal to connect the spare amplifier (backup).
16. 24V Input.

Honeywell

MX6Z-AN Technical Features

LAYOUT	Steel enclosure, rack mountable with extensions slots on back panel
DIMENSIONS	W:19" – H: 2U – D: 195,5mm
WEIGHT	4,75 Kg
OPERATION / HUMIDITY	-5 ° C ÷ +60 ° C; Humidity 25% -75%
USER INTERFACE	6x navigation keys, graphic 160x64 LCD display, 3x System LEDs. USB Device port, 12 x Line Status LED
POWER INPUT	+24Vdc (min 22Vdc, max 28Vdc)
CONSUMPTION	2,64W (110mA @ 24Vdc) – measurement condition: quiescent state, all slots empty, no mic station connected
POWER DISTRIBUTION	1 X 24Vdc bypass - max 1,5A on each microphone bus.
ZONE CONTROLLERS	6 X SLOTS
EXTENSION PORTS	2 X RJ-45 to extend the system with 13 x MX8Z-AN
CALL STATION BUS	Balanced, 600 ohm, freq. response 250 ÷ 18.000Hz @-3dB, 2Vpk max, S/N >80dB. RS485 data bus.
MUSIC AUX	2 x STEREO INPUTS (RCA Terminals)
DIGITAL AUDIO PLAYER	12bit, 32Khz, storage files audio on Secure Digital card
VOLUME CONTROL	-50dB ÷ 0dB
EQ CONTROL	-14dB ÷ +14dB
SPARE AMPLIFIER	Automatic management and automatic switchover in case of main amplifier failures.
AMPLIFIER MONITORING	1 KHz tone burst
PLAYER CONTROL	2x inputs, with short circuit and cable-cut monitoring
OUTPUT CONTACTS	Busy (NC) – Alarm (NO) – Fault (NC/NO)
CERTIFICATE	EN54-16: 0068-CPR-018/2016 del 27/4/2016