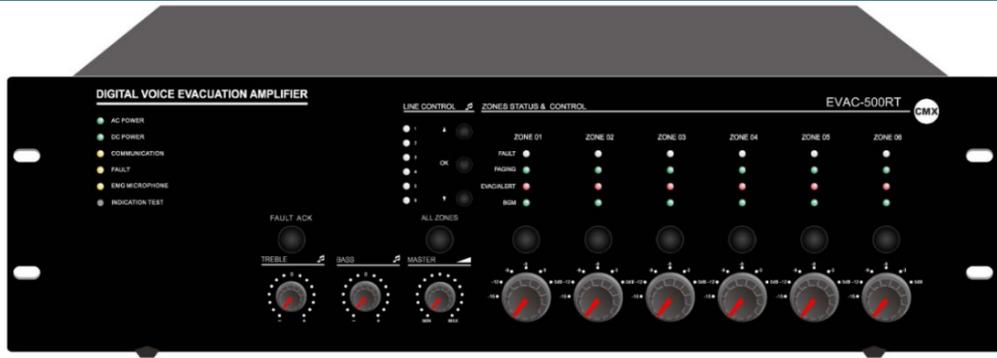# 6 Zone Voice Evacuation Router
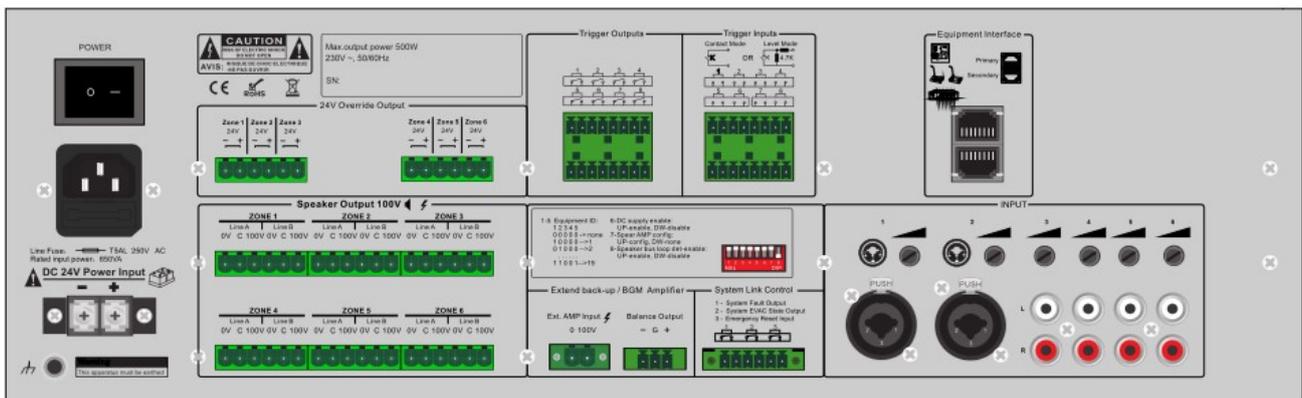# EVAC-500RT

EN54-16

Description:

The EVAC-500RT voice evacuation router is one of the most important equipments of EN54-16 certified public address & voice evacuation system. The all in one voice alarm & evacuation router with same features of voice evacuation controller EVAC-500 which includes zone paging controller, all main signal line monitoring, amplifier changeover, speaker line supervision, power supply monitoring and power amplifier and fire alarm interface, while all main signals are feed from the master controller. The voice evacuation router is innovated with most advanced DSP (digital signal processor) to ensure its hi-fi audio performance and superior signal processing in case of commercial announcement and emergency evacuation. Each router built-in 6 zone speaker outputs, rated power output at 500W. The voice evacuation router shall be pre-set through the supplied software over microphone number, zone number, zone loading, speaker monitoring, fire alarm mode, alert/EVAC message zone output, AC/DC etc, then synchronized the setting to master controller and router. The voice evacuation system is strictly follow the Construction products Regulation（EU）No 305/2011: EN54-16:2008 Voice Alarm Control and Indicating Equipment.

Feature:

- EN54-16 certification No. I/ISEETC. 000620190305.
- Digital voice evacuation system all in one router.
- Integration of voice evacuation router, zone paging controller, all main signal line monitoring, amplifier changeover, speaker line supervision, power supply monitoring and power amplifier and fire alarm interface.
- Same features of master controller EVAC-500 while all main signals are feed from the master controller
- Auto broadcasting EVAC and alert 256 voice messages to pre-set zones.
- AB speaker line surveillance to avoid any speaker line failure.
- Back-up power amplifier management.
- Up to 120 zones by cascaded with master controller EVAC-500.
- Redundant network cabling backup through CAT6 cable loop connection.
- 8 supervised control inputs & 8 control outputs, 1 fault, 1 reset & 1 EVAC relay outs.
- Logs and fault events auto recording.

Rear Panel:

www.cmxaudio.com, info@cmxaudio.com   CMX

6 Zone Voice Evacuation Router
EVAC-500RT

Specification:

Model	EVAC-500RT
Description	6 Zone Voice Evacuation Router
Rated Power Output	500W
Fireman Microphone	5Mv, 600Ω
Frequency Response	80Hz~20kHz
THD	＜1% at RMS,1KHz
S/N Ratio	>70dB
Speaker Output	100V AB 6 zone speaker outputs
REC Output	200mV
Control Input & Output	8 control inputs: Max 3.3V (voltage mode) or 0V closed contact; 8 control outputs: 0V closed contact; 1 fault, 1 reset & 1 EVAC relay outs
Event Record	HEX format, Hard Flash memory, events up to 1000 records, 10 years valid
Operation Temp	Operation Temp: +5℃ ~ +40℃; Store Temp: -20℃ ~ +70℃; Humidity: <95%
Power Consumption	650W
Power Supply	AC230V or 115V & 24V DC inputs, 50-60HZ
AC Fuse	250V/6.3A, slow type and restorable fuse
Dimension	484×132×449mm
Weight	23kg

Connection Diagram: