



## 8 Zone Voice Alarm Router AP-D824RT



## AP-D824RT 8 Zone Voice Alarm Router

### Description :

The AP-D824RT 8 zone voice alarm router is one of the most important equipments of public address & voice alarm system. The all in one voice alarm & evacuation router with same features of voice evacuation controller AP-D824EV 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 alarm 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 8 zone speaker outputs, rated power output at 240W. 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.

### Features :

- Digital voice alarm system all in one router.
- Integration of voice alarm 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 AP-D850EV 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 AP-D824EV.
- 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.

Commercial Building



School Campus



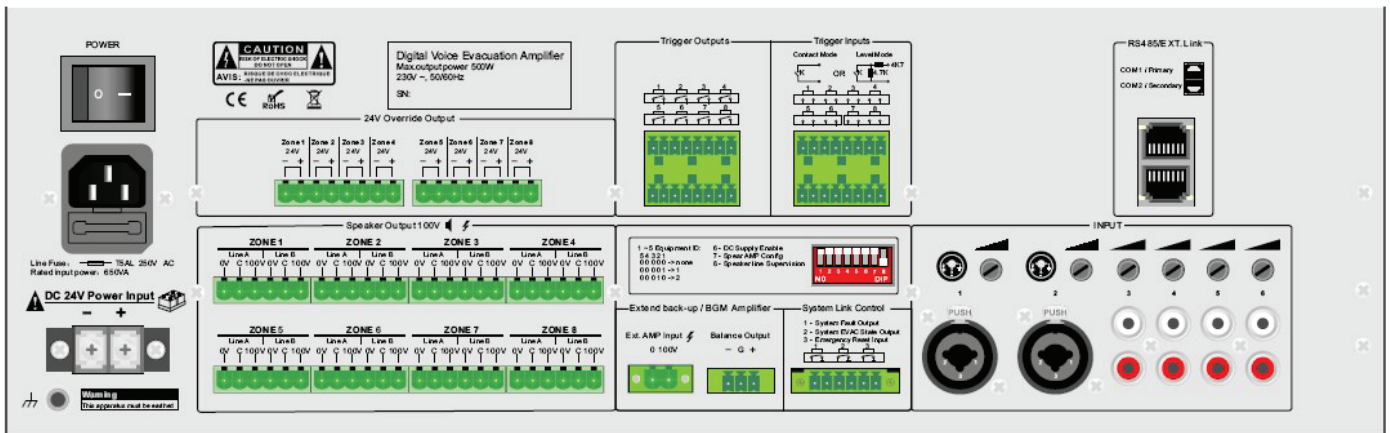
Transportation



# Technical Specifications

Model No	AP-D824RT
Description	8 Zone Voice Alarm Controller
Rated Power Output	240W
Fireman Microphone	5Mv, 600Ω
Line 1-2 Inputs	385mV, 10kΩ balanced Combo XLR
Line 3-6 Inputs	350mV, 10kΩ, RCA
Frequency Response	80Hz~20kHz
THD	<1% at RMS,1KHz
S/N Ratio	>70dB
Speaker Output	100V AB 8 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
Voice Message	MP3 or WMA format, two separate players of SD card, programmable voice message up to 256, 10 years valid
Event Record	HEX format, Hard Flash memory, events up to 1000 records, 10 years valid
Operation Temp	Operation Temp: +5°C ~ +40°C; Store Temp: -20°C ~ +70°C; Humidity: <95%
Power Consumption	350W
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	21kg

## Rear Panel :



Model No

AP-D824RT

## Connection Diagram :

