EN54 16

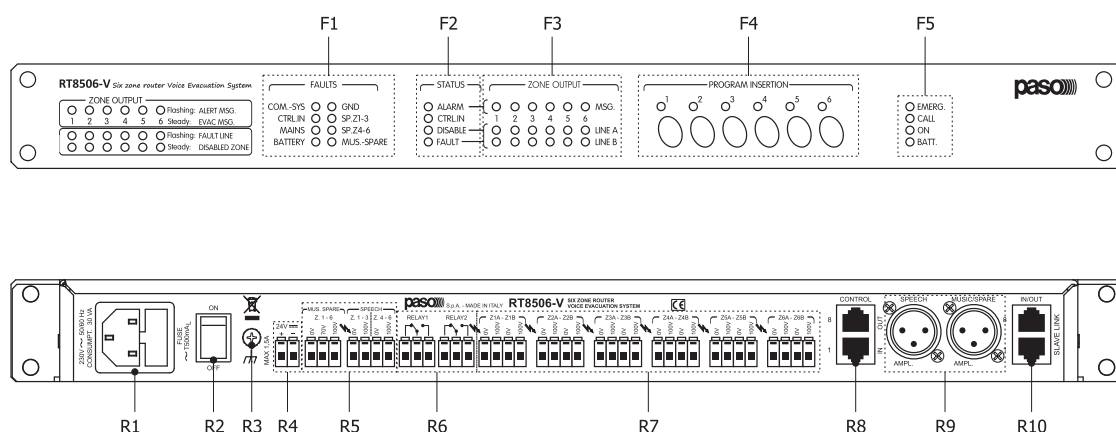| Section	Voice Evacuation
Category	PA8500-VES System
Range	Expansion units
Code	RT8506-V

Description

Router

The router **RT8506-V**, connected to a **CR8506-V** control line, can drive up to 6 zones with external power amplifiers (**AW5600** range) to a maximum of 1000 W. Each output line consists of 2 speaker circuits (A & B) in order to guarantee the complete area coverage also in case of one loudspeaker circuit failure. **The maximum system configuration includes 6 controllers connected to 36 routers (6 for each CR8506-V) for a total of 216 zones.** The router can be used with power signals (amplifier 100 V output). Two different configurations are possible: in the first one you can connect 2 amplifiers (one for music and one for speech); in the second one it is possible to manage 2 voice amplifiers (3 zones each) and one music amplifier. In any case all amplifiers are constantly monitored and the music one can be also used as backup: in case of a failure it automatically replaces the *voice* amplifier.
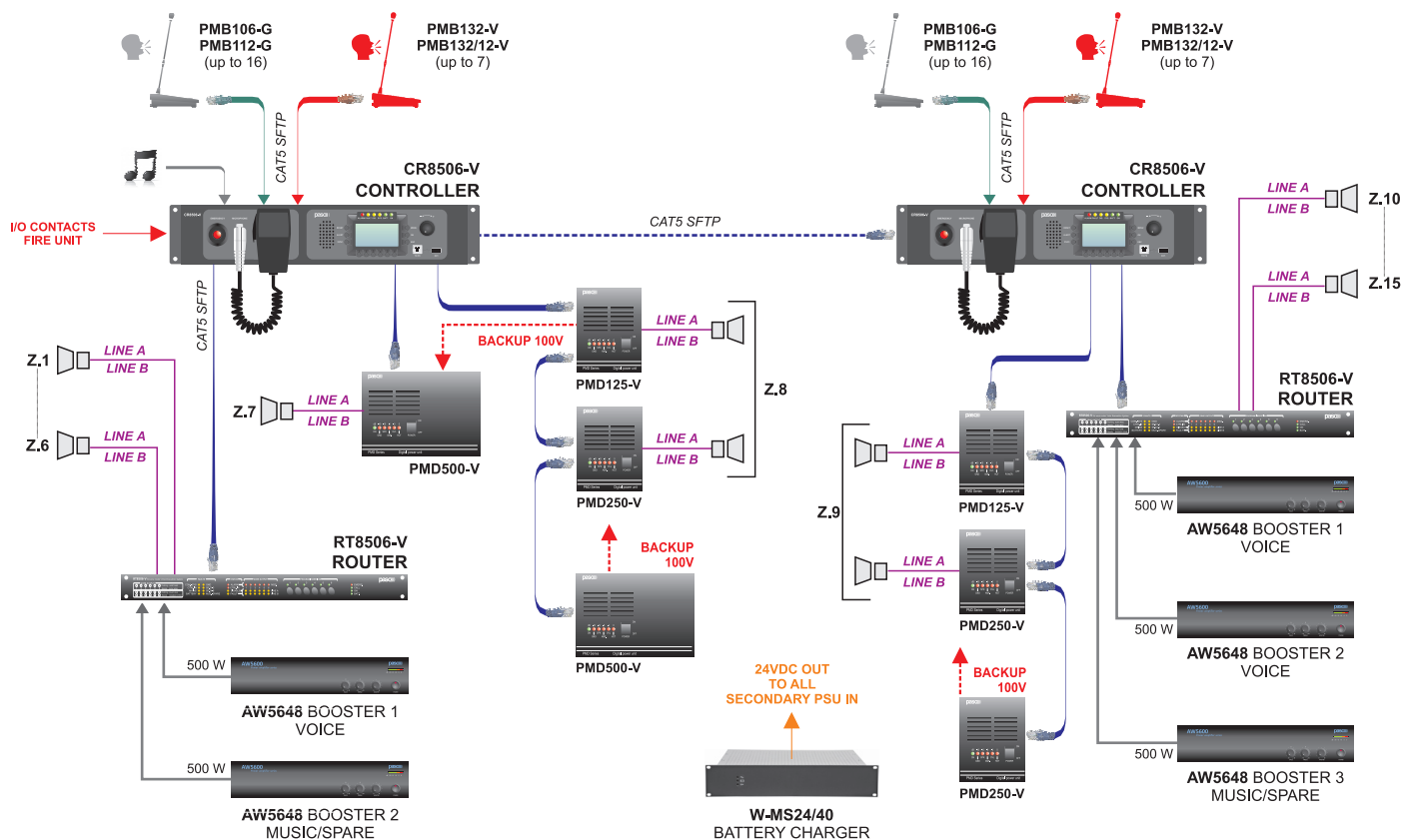
Functional features

- 6 loudspeakers zones with double output lines A+B.
- Double input 100 V for 1 or 2 voice amplifiers (IN 1 zone 1÷3, IN 2 zone 4÷6).
- 100 V input for music/stand-by amplifier.
- Front panel push button to switch ON/OFF the music on each single zone.
- RJ45 socket for CR8506-V connection.
- 7 controlled input contacts.
- 6 open collector outputs.
- 2 relay outputs.
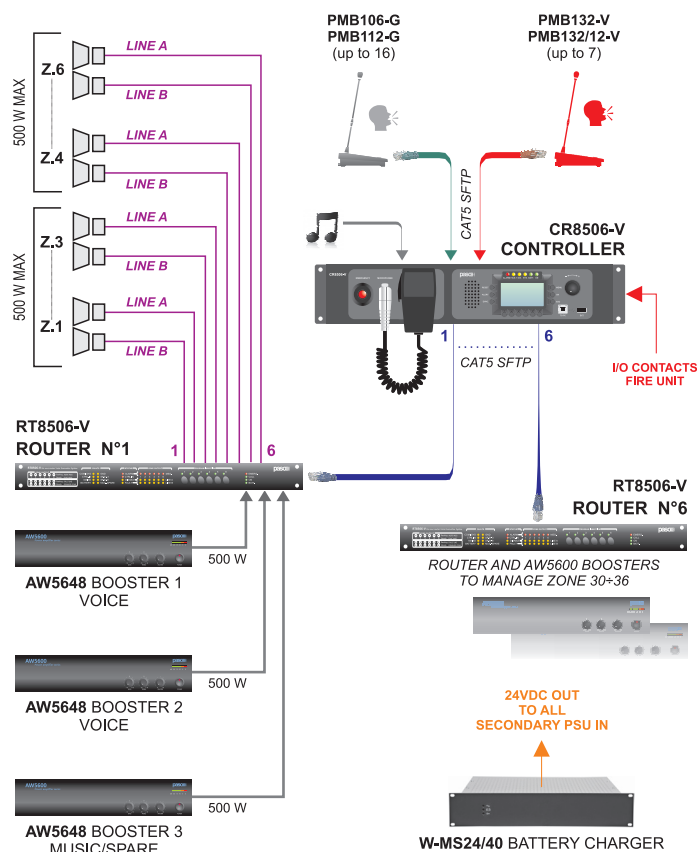- Standard rack mounting 19" (1 unit).

References

F1   F2   F3   F4   F5

R1   R2   R3   R4   R5   R6   R7   R8   R9   R10

F1. Failure-signalling LED.
F2. Router/system status LED.
F3. Output zone status LED.
F4. Zone-selection buttons for BGM.
F5. Power supply/call status LED.
R1. Plug for 230 VAC mains power supply with built-in fuse.
R2. ON/OFF switch.
R3. Frame earth connection.

R4. Terminal block for 24 VDC outside power supply.
R5. Terminal block for connection to amplifier outputs.
R6. 2 relay outputs for signalling towards external units.
R7. Loudspeaker output terminal blocks.
R8. Programmable inputs/outputs.
R9. *Voice* amplifier output
     Music/Stand-by amplifier output
R10. Input/output for connection to a CR8506-V controller.

PA8500-VES | System featuring a mixed configuration

CR8506-V controller and RT8506-V router

Rev. 1.1

Technical data

Mains power supply @230Vᴀᴄ Consumption @230Vᴀᴄ	230 Vᴀᴄ 50/60 Hz ±10% 12 W
External power supply @24Vᴅᴄ Consumption @24Vᴅᴄ	24 Vᴅᴄ 0,5 A
Maximum switchable output power per single zone	500 W
Environmental operating conditions	Temperature: +5°C to +40°C Relative humidity: 25% to 75% non-condensing
Mounting	Diretto a rack 19" (1U).
Size of unit (L x H x D) Size of package (L x H x D)	482 x 44 x 220 mm 522 x 155 x 292 mm
Net weight Gross weight	4 kg 5 kg

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