



EN 54 - 16

**VAIE 7502 / 7504 / 7506****WALL-MOUNTED VOICE EVACUATION SYSTEM****Description**

The new **VAIE 7500** compact systems, equipped with a EN54-16:2008 / EN54-4 certified control units, are all specifically designed for ease of installation and for operating in a vast range of applications.

These systems are able to manage, depending on the model, from 2 up to 6 alarm zones via local controls, remote microphone station and controlled inputs.

Three available models:

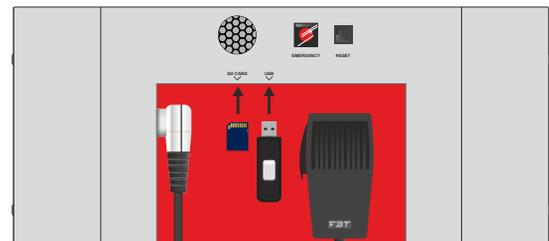
**VAIE 7502** - 2 zones / 500W / double output line (A+B)

**VAIE 7504** - 4 zones / 500W / double output line (A+B)

**VAIE 7506** - 6 zones / 500W / double output line (A+B)

**Functional features**

- Rated audio output: 500W overall, distributable freely among the zones with a maximum limit of 250W per single zone.
- Backlit 4.3" display with touch screen for selecting the alert and evacuation zones and enabling navigation for adjusting volume levels, configuring the equipment and viewing failures.
- Handheld fireman's microphone (included).
- Sending out of pre-recorded EVACUATION and ALERT messages.
- Listening to pre-recorded messages through local loudspeaker.
- 7 off controlled input contacts, configurable for playing the evacuation and/or alert and/or broadcast messages to the programmed zones or for resetting the messages.
- 1 off music input for sound sources.
- 1 off auxiliary input configurable as a music source, a call with precedence activation or a call with automatic activation (VOX).
- 3 off configurable relay outputs.
- Double A+B output for each zone.
- Events log (report of all faults and/or alarms occurred in the system).
- Double link line to connect further VAIE 7500 (up to 6 units).
- Multilingual managing software (up to 8 languages, ASCII characters).
- Protected local button for placing the system in an emergency state, equipped with its own led.
- Local button for resetting the fault acoustic signal and stopping playing out of alarm messages.
- Possibility to play MP3 files through SD card and/or external USB device.
- Independent selection on each zone of the various sound sources (MUSIC IN, AUX IN or SD/USB IN).
- Possibility to recall through the input contacts up to 8 pre-recorded messages (2 emergency messages - 1 alert, 1 evacuation - and the other 6 classifiable as emergency / evacuation / broadcast).
- Possibility to set as local the broadcasting microphone station.
- Up to 16 broadcasting microphone stations can be connected (MBT 1106 and/or MBT 1112).
- Up to 4 FMD 2001 and/or FMD 2012 remote emergency units can be connected (or, as an alternative, 2 touchscreen units TSC 6000-EN).
- EN 54-4 certified internal battery charger unit for 24Vdc secondary power supply (batteries not supplied).
- Mounting on 19" rack (optional with P5800D accessory kit)
- Optional internal expansion card for two additional music inputs.
- Optional internal expansion card with DSP for six additional music inputs.

To complete your system.....

**TSC 6000 EN**  
Touch screen microphone  
station for emergency calls



**FMD 2001 or 2012**  
Emergency paging units  
(1 zona or 12 zones)



**MBT 1106**  
Pre-amplified broadcasting  
paging units (6 zones)



**MBT 1112**  
Pre-amplified broadcasting  
paging units (12 zones)

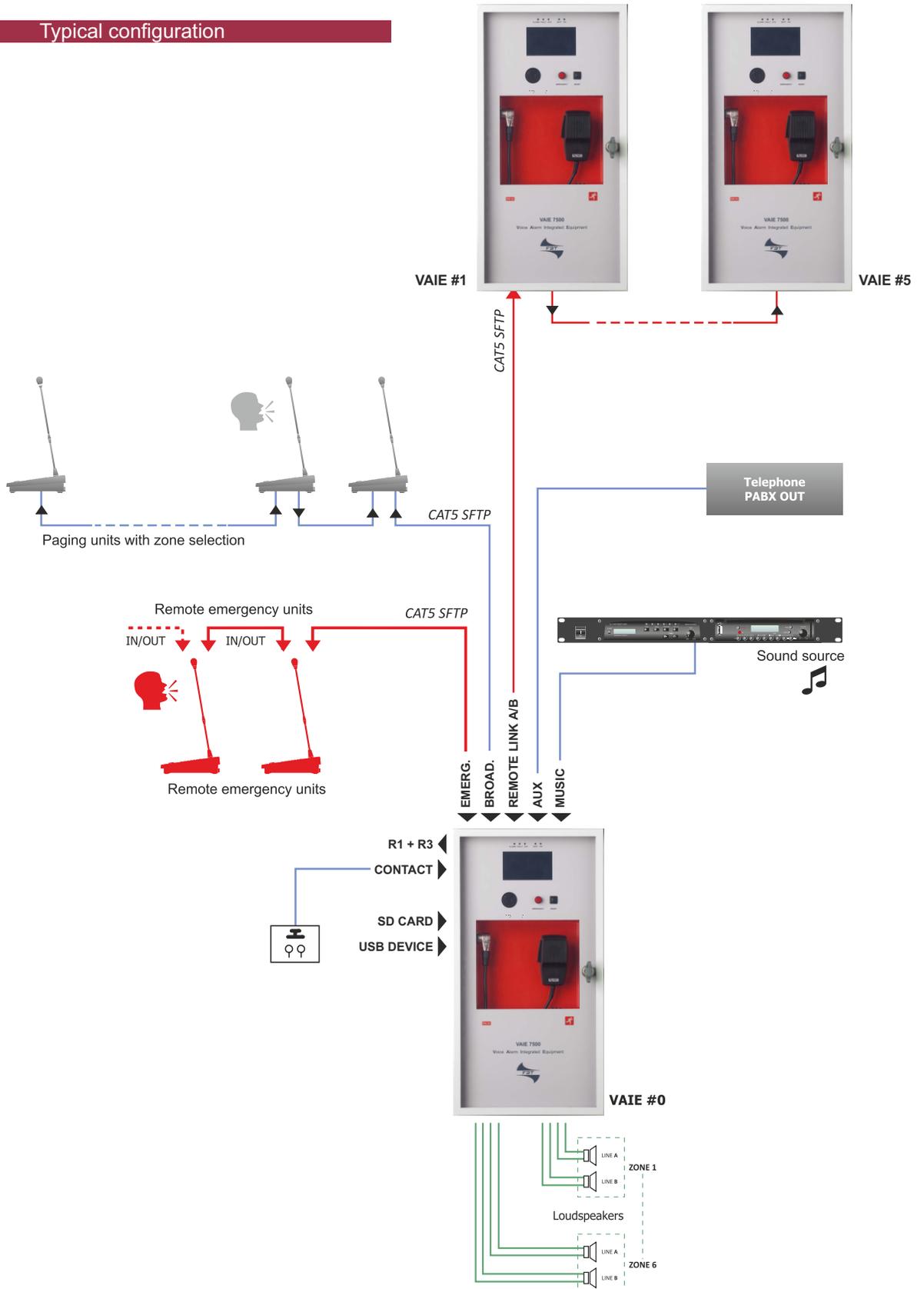


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# VAIE 7502 / 7504 / 7506 WALL-MOUNTED VOICE EVACUATION SYSTEM

## Typical configuration





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## VAIE 7502 / 7504 / 7506

## WALL-MOUNTED VOICE EVACUATION SYSTEM

	VAIE 7502	VAIE 7504	VAIE 7506
<b>CODE</b>	41812	41813	41814
Rated audio output @ 230Vac * typical distortion at 25W 0,025%	500W / D=2,5% *		
Rated audio output @ 24Vdc * typical distortion at 25W 0,025%	400W / D=10% *		
Display	4,3" / backlit with touch screen / 480 x 272 pixel		
N. of VAIE 7500 x system	max 6 ( ID 0÷5 )		
N. of zones / amplifiers	2	4	6
<b>INPUTS</b>			
Emergency microphone	Balanced XLR-F on the front door		
Sensitivity / Impedance	Signal level 20mV / 10k		
Frequency response	60 - 20.000 Hz		
S/N ratio	72dB		
Paging units (DESK)	1 off RJ45 for paging units (PA)		
Sensitivity / Impedance	Signal level max 1400mV / 85k		
Frequency response	60 - 20.000 Hz		
S/N ratio	83dB		
Emergency units (EMG. DESK)	1 off RJ45 for emergency microphone stations		
Sensitivity / Impedance	Signal level max 1400mV / 85k		
Frequency response	60 - 20.000 Hz		
S/N ratio	83dB		
<b>AUX (LINE - VOX)</b>	Balanced with terminals (HOT - COM - GND) Programmable in ON / OFF / VOX with A.P.T. models Precedence input with contact dosing activation		
Sensitivity / Impedance	134mV / 31k		
Frequency response	90 - 20.000 Hz		
S/N ratio	81dB / 85dBA		
<b>Music</b>	Balanced with terminals (HOT - COM - GND)		
Sensitivity / Impedance	134mV / 31k		
Frequency response	90 - 20.000 Hz		
S/N ratio	81dB / 85dBA		
<b>OUTPUTS</b>			
Constant voltage outputs With double lines (A+B) One zone output can be configured as a standby for the others	2 zones for 100V lines minimum 40	4 zones for 100V lines minimum 40	6 zones for 100V lines minimum 40
Link	4 off RJ45 for connection with another VAIE 7500-VES unit		
Output level / Impedance	1V / 400 Ohm		
Sensitivity / Input impedance	3600mV / 3kOhm		
Emergency controls	Programmable for normally active or normally inactive state		
Controlled inputs CONT. IN	7 off inputs with diagnostic		
Outputs R1, R2, R3	3 relays for signaling, state of emergency and faults N.O.-N.C. - exchange state		
<b>General informations</b>			
Mains power supply @230Vac Consumption @230Vac	230Vac 50/60Hz +10% / -15% 646W full load ( 2 amps active ) 36W empty	230Vac 50/60Hz +10% / -15% 653W full load ( 2 amps active / 2 amps standby )	230Vac 50/60Hz +10% / -15% 660W full load ( 2 amps active / 4 amps standby )
Secondary power supply @24Vdc (26,3 Vdc) Secondary power supply Consumption @24Vdc	20A full load  0,92A no load / quiescent 0,3A no load / energy saving	20A full load  1,22A no load / quiescent 0,3A no load / energy saving	20A full load  1,5A no load / quiescent 0,3A no load / energy saving
Batteries	Not included. It is possible to use 18Ah - 33Ah - 40Ah batteries		
Environmental operating conditions	Temperature: +5°C - +40°C / Relative humidity: 25% to 75% (non-condensing)		
Type of mounting	wall mounting		
Dimensions (W x H x D)	430 x 620 x 240mm		
Weight	20 kg		