



# EST-VES-4002-LNR

**Integrated mini PA/VA unit: 4xAB (8 lines); amp 2x320W (inc. spare amp.); 2xaudio; LCD, fireman mic.; charger; Rack-mounting version**

## Overview

EST-VES and EST-VES-8003 are scalable Public Address & Voice Alarm units suitable for multi-purpose architectures.

Devices from EST-VES and EST-VES-8003 series are voice alarm compact control units containing all components within one compact housing, which meet all the requirements of EN 54-16 and EN 54-4 (certificate of constancy of performance 1438-CPR-0659).

Whole concept of the system is based on the high quality audio network distribution nodes equipped either with two independent 160 W, 320 W or three independent transformerless 500 W class D amplifiers, which distribute 100 V signals to 4, 8 or 16 speaker lines depending on the type. The system also ensures operation of a backup amplifier for the Emergency priority type of signals.

All type of centrals are equipped with integrated backup power supply and EN 54-4 compliant charging unit.

EST-VES and EST-VES-8003 are designed to be a Plug & Play device with all elements expected from Voice Evacuation Systems; including a built-in fire microphone, touchscreen for global control, DSP, programmable contact inputs and buttons, time scheduler, charger with battery mounting space and expandable memory size for messages – all fitted into IP30 chassis or dedicated 15u rack for EST-VES-8003 8003LNR with 8003R.

EST-VES and EST-VES-8003 belongs to the family of independent EVAC systems which can be networked together and extended by desktop zone microphones or fireman microphones via TCP/IP network to provide live announcements and background music inputs. The system has been designed to be wired using CAT5 cables for paging microphones and fibre-optic redundant interlink connections between the systems.

All systems support up to 45 high quality audio signals distributed over 254 devices in the network.



## Details

- Stand alone or TCP/IP network architecture
- All in one – independent rack mount EN 54-4 / 16 PA/VA unit
- Impedance speaker monitoring
- Remote management
- Up to 254 devices can be connected on the network (incl. fireman and zone microphones)
- Ability to connect standalone EST VES units via fiber optic / copper or both cables. Compatibility with RACK mounted modular EST ENT VES
- DSP audio processing on board
- Professional Sound Quality
- Evacuation, paging message and background music features
- Simple installation
- User friendly and intuitive programming software
- Rack-mounting version

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## Technical specifications

### Entrada

Cantidad y tipo	1, Stereo to Mono
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### Salida

Cantidad y tipo	1, Mono
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### Físico

Dimensiones físicas	440 x 176 x 354 mm (W x H x D)
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Color	Negro
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Tipo de montaje	Montaje en bastidor
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### Medioambiental

Temperatura de funcionamiento	-5°C to +45°C
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Clasificación IP	30
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### Regulatory

Certificación	EN54-4
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Normativas	EN54-16
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### Environmental

Operating humidity	5 to 95% non-condensing
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### Optional functions

Network card	2x SFP module 1 Gb/s, 1x POE 1 Gb/s, 100 Mb/s, 1x LAN 1 Gb/s, 100 Mb/s connection; RS485 port; 1xLAN/WAN 100 Mb/s connection
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GUI	4,5" color touch screen
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DSP	Input EQ, outputs EQ, Feedback eliminator and audio limiter
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### Standby battery

Battery working time	30 hours + 30 minutes evacuation
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### Physical

Gross weight	19 kg
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No of messages played at the same time	2
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Protection	Over-temperature, short circuit, overload, ground leakage
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No of AB zones	4
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No of speaker lines	8
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No of control inputs	7
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No of relay outputs	3
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No of amplifiers / Power	2 / 320 W RMS
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Redundant amplifier	Yes - 320 W RMS
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