

one

EN 54-16

EN 54-4

Certificate No. 0370-CPR-3206

**PUBLIC ADDRESS,
BACKGROUND MUSIC
AND VOICE ALARM SYSTEM**





WHO SAID SMALL?

ONE is a complete EN 54-16 certified public address, background music and voice alarm system that includes an integrated EN 54-4 battery charger in the same device.

ONE has an innovative Wall & Rack design that allows it to be mounted on both the wall and the rack, according to the needs of each project. It is specifically designed for small and medium installations.

ONE System is very easy to install and configure thanks to the Autosetup Function, saving both time and costs.



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ONE-500

MAIN UNIT 2 x 500 W (TOTAL MAXIMUM 500W)

EN 54-16 certified system, with EN 54-4 integrated battery charger and holder

Wall & Rack design, suitable for 19" rack or wall mounting

All-in-one and extremely compact unit

Autosetup Function, easy to install, configure and maintain

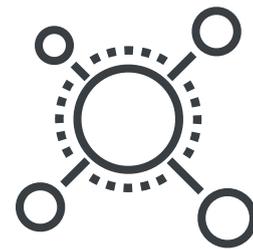
Reliable and safe in any situation

ONE-500 FEATURES



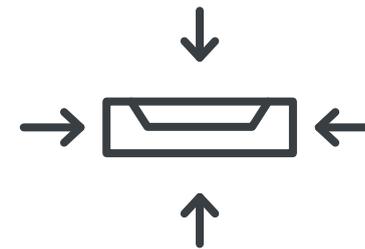
GUARANTEED BY INTERNATIONAL CERTIFICATIONS

With the ONE system any kind of installation can access to cutting edge features in public address, background music and voice alarm systems. The ONE-500 unit is certified under the EN 54-16 international standard, and its battery charger and holder are EN 54-4 certified (certificate 0370-CPR-3206).



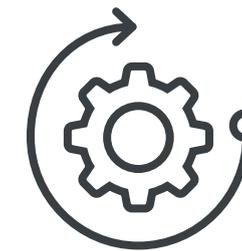
TOP FUNCTIONALITY

ONE has two class D amplifiers up to 500 W power (total maximum 500 W) and one backup amplifier. With 6 outputs/zones, 3 analog audio inputs and an expandable digital 6x6 audio matrix, ONE offers great versatility to fit into small and medium installations.



WALL & RACK DESIGN

The ONE system has been designed and developed down to the last detail. Its innovative Wall & Rack design allows it to be mounted on both wall and 19" rack and adapts smoothly to any space requirements in all kind of installations.



EFFORTLESS INSTALLATION WITH AUTOSETUP FUNCTION

Installation, configuration and maintenance of ONE System are very easy thanks to the Autosegment Function, saving both time and costs. There is no need to use external applications to make ONE fully operational without delay, integrating at ease with third-party technologies.

Discover ONE at lda-audiotech.com/en/one



ONE-500

Inside the Main Unit

- 1 6 outputs/zones. Digital 6x6 audio matrix, expandable.
- 2 2 class D amplifiers with two configurations for 100/70 V lines up to 500 W. Backup amplifier included.
- 3 EN 54-4 battery charger and 12 V 17 Ah battery.
- 4 3 audio inputs (BGM or mic) + 1 mixed input. Noise gate and contact closure for control.
- 5 Paging station input up to 8 MPS-8Z multizone microphones or VAP-1 voice alarm panel.
- 6 Dual message player for pre-recorded messages EVAC + ALERT. Phased evacuation. 10 minutes storage for pre-recorded messages.
- 7 LCD display and control (access control).
- 8 Wall & Rack design, easy to install. Plug & Set mode for EN 54 PA/VA.
- 9 8+2 GPIO ports (supervised for integration with Fire Alarm Control Panel).
- 10 Attenuators control.
- 11 4 pre-amp outputs for external PA amplifiers connection.
- 12 DSP: 3/7-band input/output parametric equalizer, loudness, LDA sound enhancer, independent volume control per each input and master volume for outputs.
- 13 Loudspeaker lines supervision. Line terminator without return for supervision.
- 14 Failure detection and indication in all emergency functions. USB backup/restore and emergency log.
- 15 PTT microphone connection port with emergency microphone function.
- 16 Designed and made in Spain by LDA AUDIO TECH.

ALL THE FLEXIBILITY OF A WIDE RANGE OF ACCESSORIES



EN 54 certified

PUSH-TO-TALK MICROPHONE ONE-PTT

Handheld push-to-talk microphone for EN 54-16 PA and VA applications, designed as an external accessory.



EN 54 certified

COMMUNICATION MODULE ONE-LOOP10

Loop expansion module and license for ONE systems, expandable up to 10 units.



BATTERY EQ-246113

12 V and 17 Ah lead-acid battery for ONE-500.



EN 54 certified

BATTERY CHARGER CARD ONE-BC1

License card to activate EN 54 certified battery charger.



RACK FIXED MOUNTING KIT ONE-RMA2

Mounting kit 2U for 19" rack cabinet for ONE unit.



WALL MOUNTING ONE-WMA

Wall-mount installation kit for ONE-500, made of high-strength galvanized steel.



RACK MOUNTING ONE-RMA

3U mounting kit for 19" racks, with installation accessories and screws.



EN 54 certified

VOICE ALARM PANEL VAP-1

EN 54 certified emergency panel with event button and access to evacuation functions.



EN 54 certified

EXPANSION KEYBOARD VAP-8K

EN 54 expansion unit for VAP-1 with 8 programmable zone buttons.



WALL-MOUNTED CABINET RACK-4ALT

19" and 4U wall-mounted rack cabinet with glass front door and lock for VAP-1 voice alarm panel and VAP-8K expansion keyboard.



WALL-MOUNTED CABINET RACK-6ALT

19" and 6U wall-mounted rack cabinet with glass front door and lock for VAP-1 voice alarm panel and VAP-8K expansion keyboard.



BLANK BLOCK VAP-1EC

Blank block for VAP-1 alarm panels. Can be used in 4U and 6U racks.



RED WALL-MOUNTED CABINET EQ-242057

Housing set to accommodate a VAP-1 panel and a VAP-8K keypad extension. Finished in RAL 3000 (fire red).



EN 54 certified

MICROPHONE MPS-8Z

Paging station with 8 zone buttons, 1 for events and 1 for memory.



MICROPHONE A-1

One zone desktop microphone with lighting indicators and microcontroller.



EN 54 certified

EXPANSION KEYBOARD MPS-8K

EN 54 certified expansion unit for MPS-8Z paging station with 8 programmable buttons.



EN 54 certified

END OF LINE DEVICE TFL-2

Filtered load impedance for 70/100 V speaker lines.

LEADING TECHNOLOGY MADE IN SPAIN

A clear emergency announcement, made in a timely and controlled manner, can make all the difference in a crisis situation. That's why at LDA Audio Tech, we take **product development** seriously to create the most advanced public address and voice evacuation systems.

LDA Audio Tech is one of the leading global providers of voice alarm systems and active protection in buildings. **We design, develop, and manufacture** audio systems that easily integrate into various facilities while ensuring maximum **safety and quality** certified to the highest international standards.

Our team is made up of qualified professionals who understand the needs of integrators, installers, engineering firms, and large companies.

Through R&D and ongoing training, and by staying attuned to the latest technological innovations, LDA offers **tailored solutions for any type of installation.**



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