o1ne

EN 54 -16

EN 54 -4

Certificate No. 0370-CPR-3206

PUBLIC ADDRESS, BACKGROUND MUSIC AND VOICE ALARM SYSTEM

LDA audioTech

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.

MADE IN SPAIN

EN 54 -16
EN 54 -4
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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).
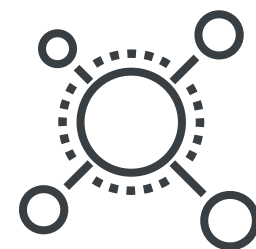
TOP FUNCTIONALITY

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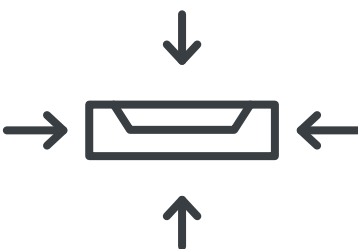
WALL & RACK DESIGN

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.
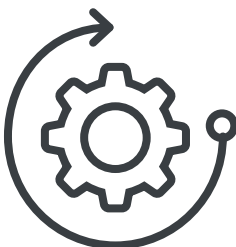
EFFORTLESS INSTALLATION WITH AUTOSETUP FUNCTION

Installation, configuration and maintenance of ONE System are very easy thanks to the Autosetup 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.

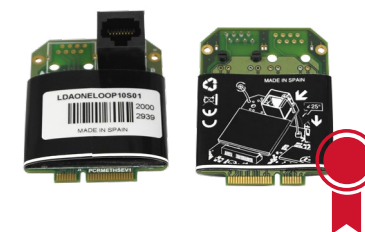**16** Designed and made in Spain by LDA AUDIO TECH.

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.

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.

EN 54 certified

COMMUNICATION MODULE ONE-LOOP10

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

RACK FIXED MOUNTING KIT ONE-RMA2

Mounting kit 2U for 19" rack cabinet for ONE unit.
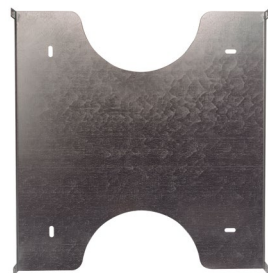
WALL MOUNTING
ONE-WMA

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.

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.

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.

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 microphone unit 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.

MULTISOURCE PLAYER RCD-21R

All-in-one player for multiple audio sources. Includes CD, MP3, WMA, FM/AM, and hi-speed USB.

ATTENUATOR AT-6.0

Constant impedance attenuator with five 6 dB attenuation stages. Maximum power 12 W @100 V and 6 W @70 V. Control input for emergency system, for installation in universal built-in box.
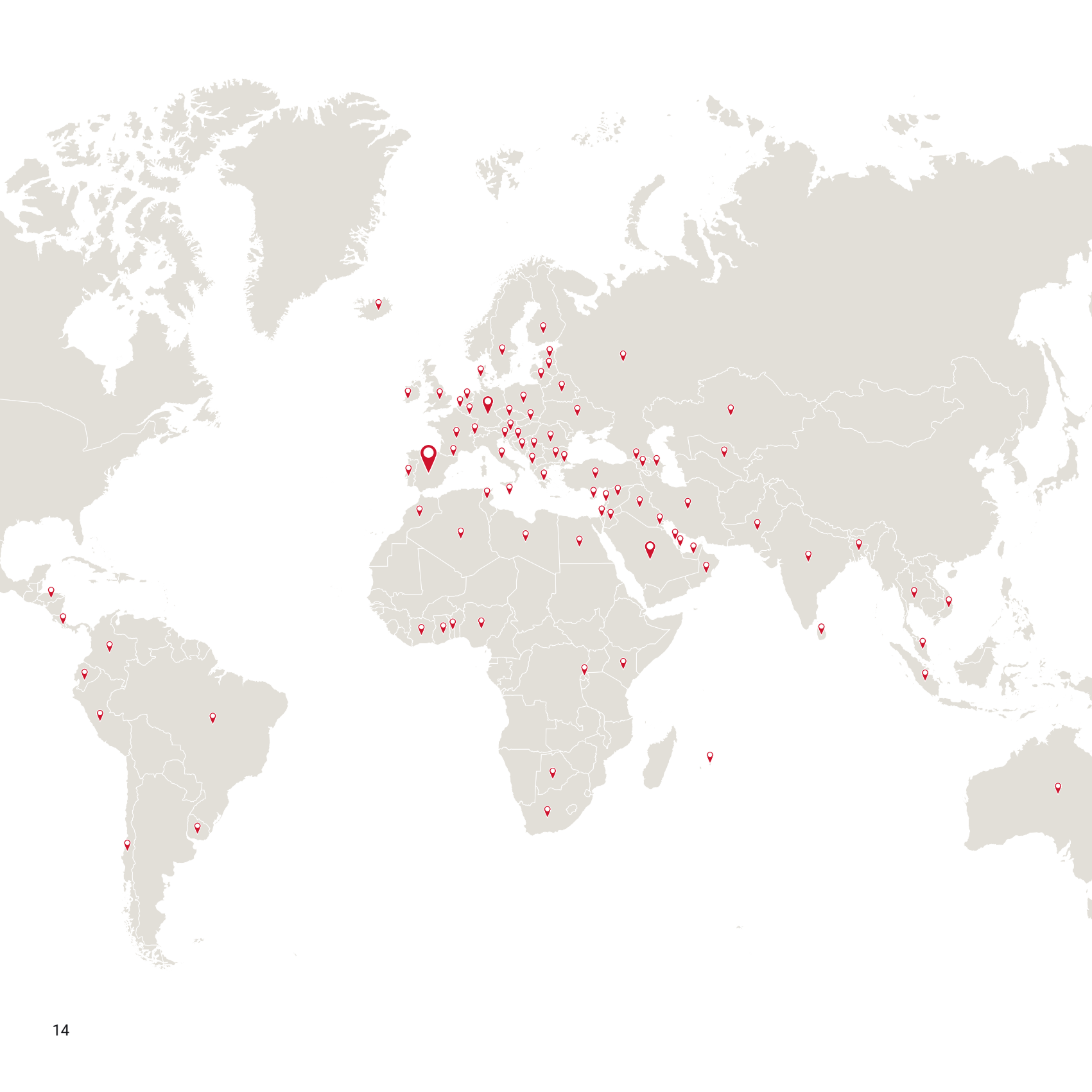
ATTENUATOR AT-25

Constant impedance attenuator with 5 6dB attenuation stages. Maximum power 50 W @100 V and 25 W @70 V. Control input for emergency system, for installation in surface-mount box or in panel.

SURFACE BOX MC-20EC

Surface mount box to house the LDA AT attenuator series and SE selectors. RAL9010 color.

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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LDA HEADQUARTERS
Severo Ochoa, 31
29590 Málaga, Spain
Tel: +34 952 028 805
info@lda-audiotech.com

SPAIN
San Rafael 4B, oficina 37
28108 Alcobendas, Madrid
Tel: +34 910 534 750
sales@lda-audiotech.com

ITALY
Isabel Díaz de Lope- Díaz García
Tel: +39 351 9116451
idiaz@lda-audiotech.com

SAUDI ARABIA
Sufyan Habib
Tel: +966 56 126 2344
sufyan@lda-audiotech.com

EGYPT
Ahmed Mostafa
Tel: + 20 100 521 0144
amostafa@lda-audiotech.com

GERMANY
Gräf & Meyer GmbH
Ringstraße 1 · D-66459 Kirkel
Tel: +49 (6841) 93493−0
info@gplusm.de

LATAM
Sebastián Martínez Ossa
Tel: +57 310 3609357
smartinez@lda-audiotech.com

QATAR
Yehya Al Roz
Tel: +974 3002 9797
yehya@lda-audiotech.com

INDIA & SAARC
Abhishek Garg
Tel: +91 81307 74349
agarg@lda-audiotech.com

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www.lda-audiotech.com
info@lda-audiotech.com

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