



GENERAL CATALOGUE

PUBLIC ADDRESS AND
VOICE ALARM SYSTEMS



TABLE OF CONTENTS

- ABOUT LDA 04
- VOICE EVACUATION SYSTEMS 08
- APPLICATIONS 12
- ONE SYSTEM 14
- NEO+ SYSTEM 26
- DISTRIBUTED NETWORK AND MULTISITE SYSTEMS 34
- SHARED ACCESSORIES 48
- LOUDSPEAKERS 52
- OUR CERTIFICATIONS 58
- CONTACT 60

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ABOUT LDA

INNOVATION FOR YOUR SAFETY

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.**



TECHNOLOGY AND INNOVATION MANUFACTURED IN SPAIN

From the Technological Park of Andalusia in Malaga, Spain, in LDA Audio Tech we have been investing in R+D+i to open new paths for more than four decades. We export to more than 60 countries.

MISSION AND VALUES

- We provide effective sound and security systems that protect people and generate long-term value for users, customers, suppliers, workers, and shareholders in a sustainable way, complying with legal requirements and committed to continuous improvement.
- Excellence is our way to achieve outstanding results.
- Innovation is the engine of our sustainability.
- We act with initiative and determination.
- We act ethically and responsibly.
- We care about how things are done.

SUSTAINABILITY

At LDA Audio Tech, our commitment to sustainability goes beyond technical excellence.

We manufacture our products without materials hazardous to health or the environment, avoiding unnecessary waste, and apply an ESG approach (environmental, social and corporate governance) across our entire strategy.

We generate 90% of our factory's energy in Malaga with our own solar panels, and our packaging is 100% recyclable and plastic-free. Our environmental management system is certified under ISO 14001, and we are audited by Ecovadis against 21 sustainability criteria.

EXCELLENCE

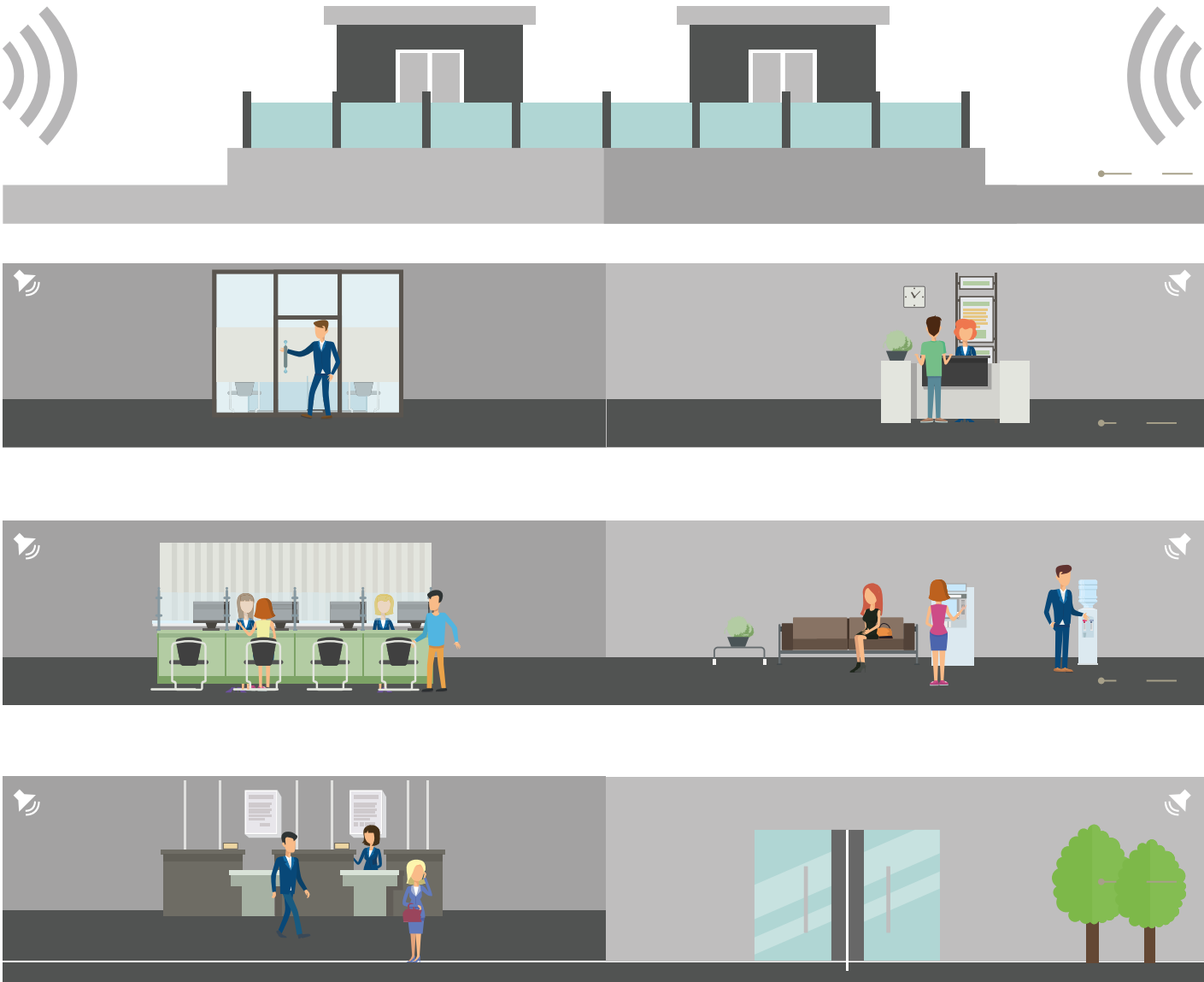
We build our company philosophy on a quality management system that operates across every layer of the organization.

Our processes, products and services are certified under EN 54, ISO 9001, CE, EAC and APF Fire Safety. ISO 27001 protects the security of our information and the traceability of our processes, and ISO 45001 ensures safe working environments for our entire team.

A blurred, teal-tinted photograph of a crowded subway platform. In the foreground, the lower legs and feet of several people are visible, some standing and some in motion. A person wearing black thigh-high boots and high heels is prominent in the center. The background shows a glass and metal train car or platform edge, with more people visible further away. The overall atmosphere is one of a busy, public transit environment.

PUBLIC ADDRESS AND VOICE EVACUATION SYSTEMS

MAINTAINING SAFETY IN RISK SITUATIONS



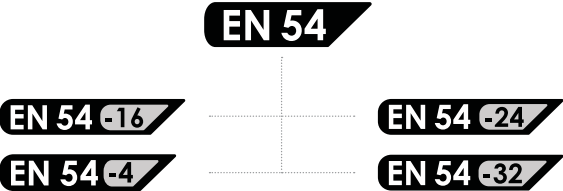
- ◆ The evacuation instructions can be customized and announced at any stage during an emergency situation.
- ◆ The system informs users about how to evacuate the building in a controlled manner, according to an established evacuation plan.
- ◆ It uses pre-recorded messages with clear instructions, not strident alarms, which helps evacuate buildings effectively.
- ◆ It covers all sound needs, including public address and background music systems.

INTERNATIONAL REGULATORY FRAMEWORK

Voice alarm systems are governed by the **Construction Products Regulation (CPR, EU Regulation No 305/2011)**, which is mandatory throughout the EU and accepted as a standard in many other countries worldwide.

Voice alarm control and indication equipment is regulated by **EN 54-16** and its components and loudspeakers by **EN 54-24**. For power supply equipment, EN 54-4 is used as a reference, and for equipment maintenance, EN 54-32 is used as a reference.

In each case, the national regulatory standards stipulate the mandatory installation of a certified EN 54 voice evacuation system.





APPLICATIONS

SOLUTIONS FOR ANY ENVIRONMENT

HOSPITALS

- Loudspeakers for clean atmospheres.
- Multi-zone and multi-source (microphones).
- IP telephony, BMS and SCADA integration.

AIRPORTS

- Directive electroacoustic solutions.
- Integration with automatic systems.
- Project-specific parameterisation.
- Multi-zone and multi-source (boarding gates).
- Automatic gain control.

RAILWAY AND METRO NETWORKS

- Redundant distributed system.
- Integration with TETRA, BMS and SCADA.
- Acoustic intelligibility studies.
- Automatic gain control.

TUNNELS

- Distributed system, high intelligibility and directivity.
- Integration with SCADA (Modbus/Ethernet).
- SNMP supervision.

SHOPPING CENTRES

- High quality sound system.
- Announcements & advertising messages by zones.
- Integration with text-to-speech systems and PA systems by stores.
- Automatic gain control.

SPORTS CENTRES AND AUDITORIUMS

- Selection of local music source.
- Single public address, background music and voice evacuation system.
- More suitable electroacoustic solutions.

UNIVERSITIES

- Distributed systems by buildings (large campuses).
- Integration with local system of each classroom.
- Phased evacuation.



one

THE MOST COMPACT AND COST-EFFECTIVE ON THE MARKET

The ONE series offers complete EN 54-16 certified public address and voice evacuation systems with an EN 54-4 battery charger built in a single device. The range comprises two models: ONE-500 and ONE-150.

ONE features an innovative Wall & Rack design, allowing the unit to be mounted either on a wall or in a rack. It is specifically designed for small and medium-sized projects, reducing the space required for installation by up to 50%.

ONE series configures up to five times faster than other systems thanks to its auto-setup function, with no need for additional software.



- EN 54-16, EN 54-4 and EN-60849 compliant.
 - Built-in battery charger included.
 - Very easy to install and configure (auto-setup function, wall or rack mounted).
 - 500/150 W*, 2 amplifiers, 6/2 zones*
- * Depending on model



ONE-500 MODEL

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.

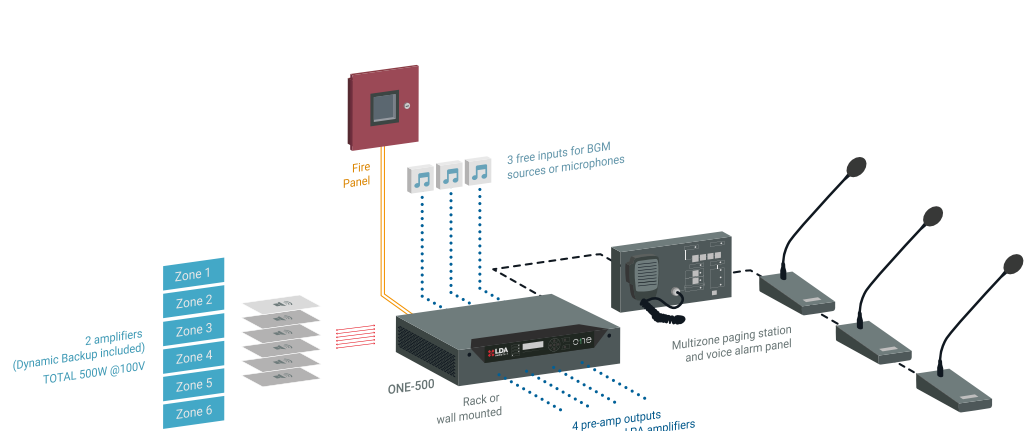


ONE-150 MODEL

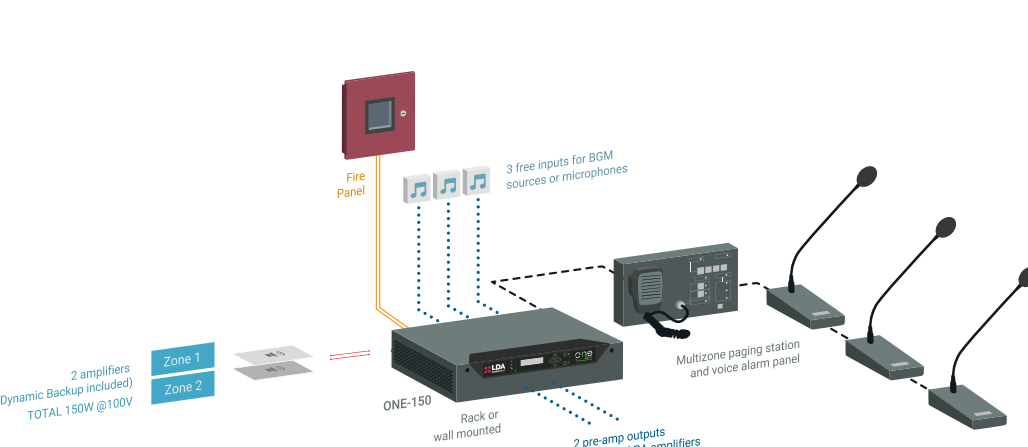
Inside the Main Unit

- 1 2 outputs/zones. Digital 6x2 audio matrix.
- 2 2 class D amplifiers with two configurations for 100/70 V lines up to 150 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.
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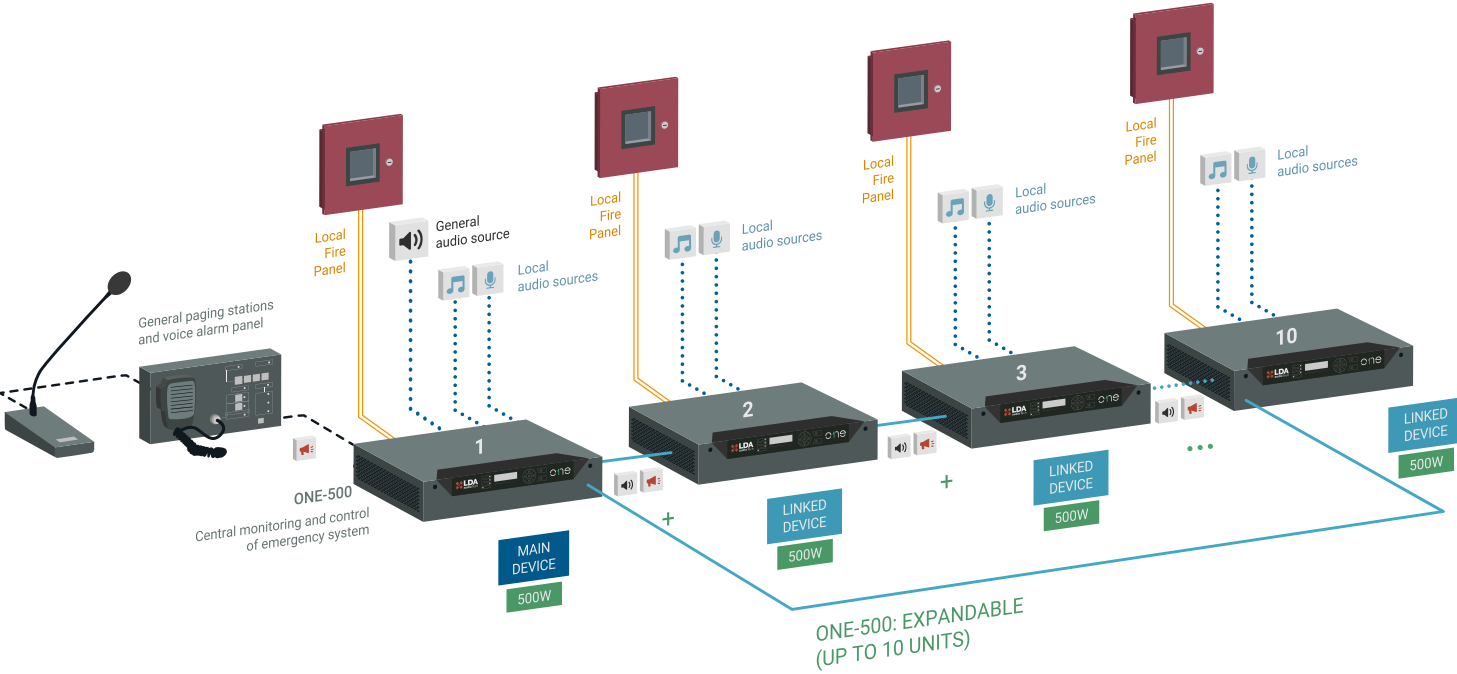
ONE-500 STAND-ALONE UNIT



ONE-150 STAND-ALONE UNIT



ONE-500 EXPANDABLE SYSTEM



- - - - LDA ACSI® paging station bus (UTP cable) — UTP Cable Analogue audio — Fire alarm local zones and Fire alarm general / reset

Connection for up to 10 equipment with double communication link. Up to 60 zones and speaker lines. EVAC and ALERT local messages + Autonomous emergency power supply for each ONE unit.

🔊 General audio source 🎵 Local audio source (background music) 🗣️ Local audio source with priority 📢 General paging stations and voice alarm panel

- - - - LDA ACSI® paging station bus (UTP cable) — Speakers line 100V Analogue audio — Fire alarm local zones and Fire alarm general / reset

ADVANCED FUNCTIONS WITH ONE ACCESSORIES

The ONE series offers any installation, no matter how small, all the power and flexibility of a high-performance centralized public address and voice evacuation system.



EN 54 Certified

PUSH-TO-TALK MICROPHONE ONE-PTT

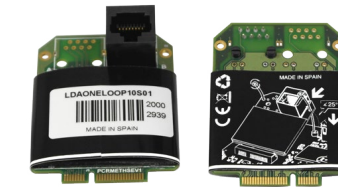
- Push-to-talk dynamic microphone.
- Priority input over all other sources.
- Easy to install and use, with magnetic mount.
- Also available without certification for public address functions.



EN 54 Certified

BATTERY CHARGER CARD ONE-BC1

- Enables battery charging and supervision to EN 54-4, where the unit requires backup batteries.
- Activation card: becomes a permanent key for the charger once installed.



COMMUNICATION MODULE ONE-LOOP10

- Module and license for ONE-500 system, expandable up to 10 ONE units or 60 zones.
- Redundant loop communication.
- System monitoring and control.
- Adds an additional communication port.
- Easy installation.



BATTERY EQ-246113

- 12 V and 17 Ah lead-acid battery.
- For use with ONE-BC1 charger.
- More than 30 h in standby and 30' in evac mode.
- Can be installed in any position except with the terminals facing down.



WALL MOUNTING KIT ONE-WMA

- Wall mounting bracket.
- Made of high-strength galvanized steel.
- Quick installation, assembly and disassembly of the ONE series unit.
- Includes accessories and screws.



RACK FIXED MOUNTING KIT ONE-RMA2

- 2U installation bracket for 19" rack.
- Solid fixing base for ONE unit.
- Colour: Fe, grey RAL 7016.
- Includes screws for assembly.



RACK MOUNTING KIT ONE-RMA

- 3U installation bracket for 19" rack.
- Allows quick installation, assembly and disassembly of the ONE series unit.
- Includes accessories and screws.



VERSATILE AND POWERFUL

The ONE series adapts to any installation thanks to its versatile design, which allows **both wall and rack mounting**. When wall-mounted, the unit can be rotated for easy access from the ceiling or floor, depending on cable routing.

This system brings together all essential functions in a **single ultra-compact unit**: controller, 500/150 W amplifier (depending on model), backup amplifier, charger and batteries. To match this configuration in a traditional system, a 12U rack would be required, taking up to 14 times more volume than LDA ONE.



REDUNDANT
Simultaneous use of **both amplifiers**, no backup required.



COMPACT
Requires up to **50% less wall-mounted space**.



FAST
5 times faster setup and commissioning.



EFFICIENT
With a single battery, it has a **50% smaller footprint**.

NEO+

SCALABLE
PROJECTS
WITH
MAXIMUM
POWER



➔ Full redundancy

Dual controllers,
dual power supplies
and backup amplifiers.

➔ Network encrypted audio

AES67/Dante® compatible for
advanced integration.

➔ Efficient power usage

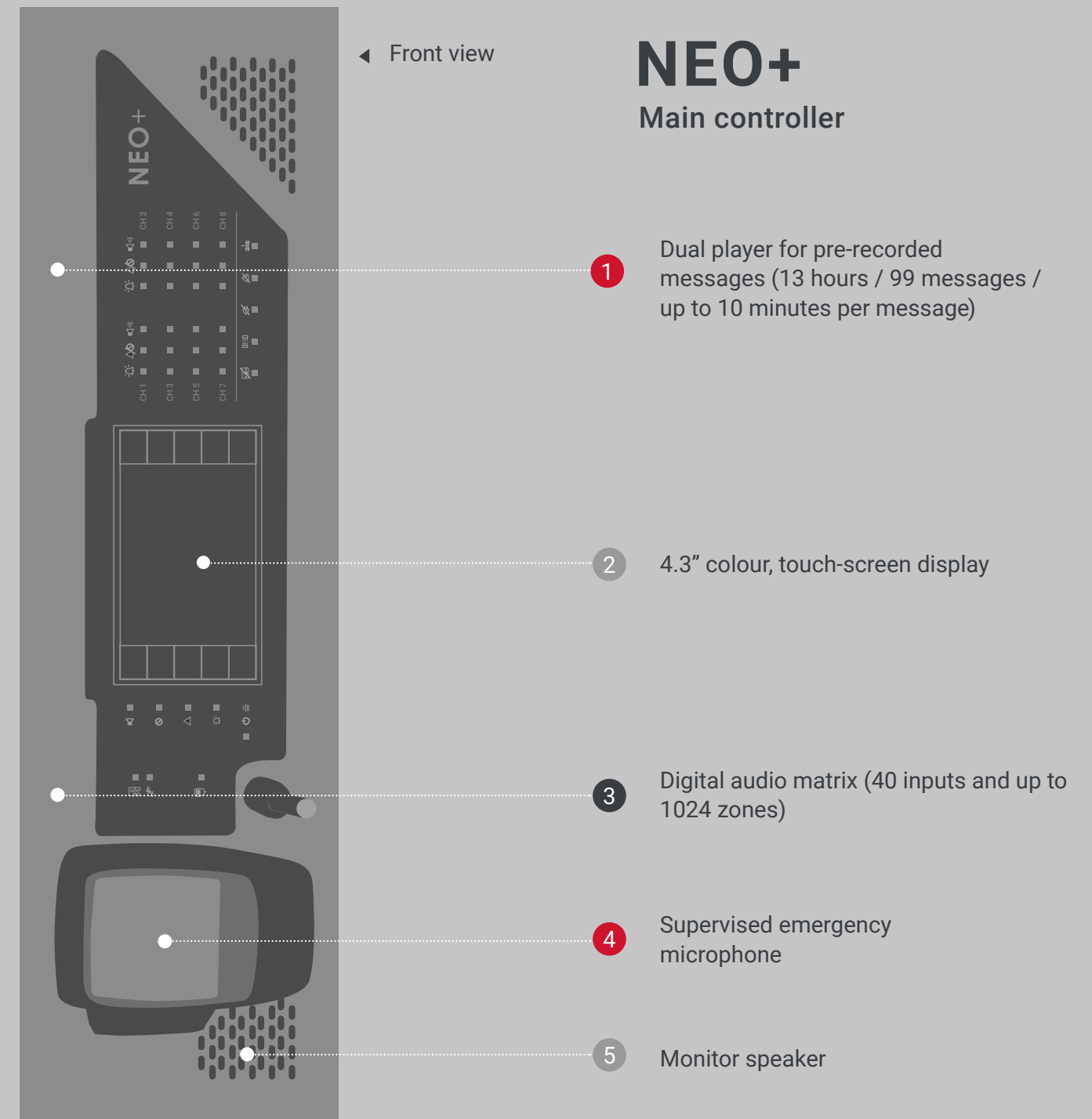
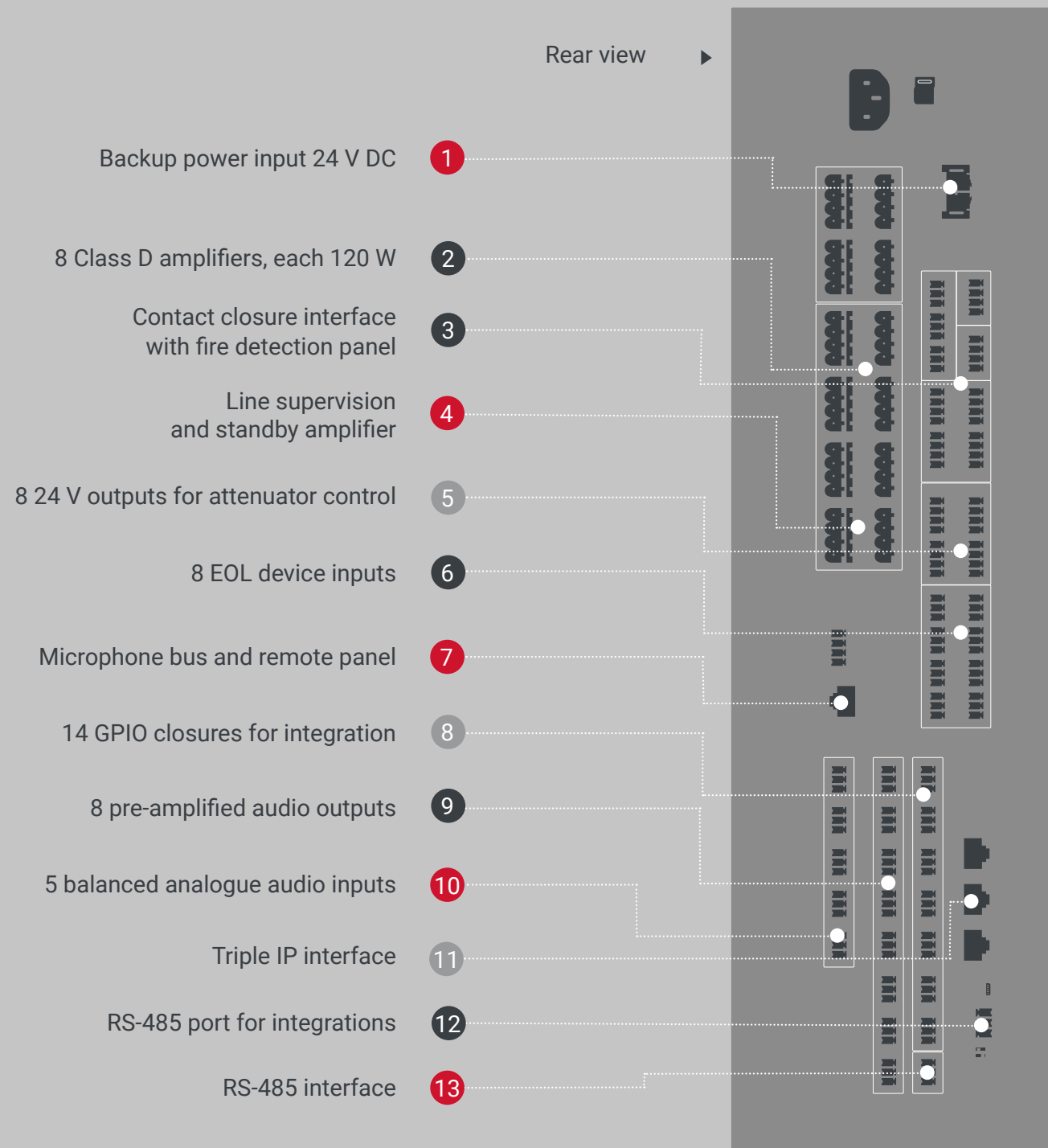
Up to 2000 W flexible with
compact amplifiers.

➔ Easy control

Touch screen and
NEO Control software.

➔ Complete EN 54 system

Certified solution
for critical safety.



NEO+

EXTENSION

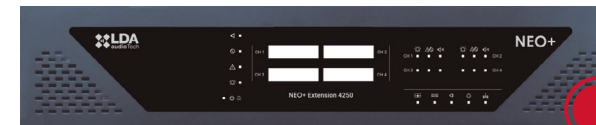
EN 54-16
Certificate No. 0370-CPR-3261

GO FURTHER WITH NEO+ EXTENSION

NEO+ can manage multiple alarm zones easily and intuitively. As a single controller it can handle 1024 zones, and can work without zone limitation when in multi-controller mode.

Through a IP loop connection, the NEO+ main controller transmits digital encrypted audio and control signals to each of the system's areas.

NEO+ automatically recognizes all the connected NEO+ Extension units and expands the zones according to the desired configuration in each installation.



EN 54-16 certified

NEO+ EXTENSION 4250E

4 channels / 1000 W power sharing
(max. 500 W per channel)



EN 54-16 certified

NEO+ EXTENSION 8250E

8 x 250 W



EN 54-16 certified

NEO+ EXTENSION 4500E

4 channels / 2000 W power sharing
(max. 1000 W per channel)

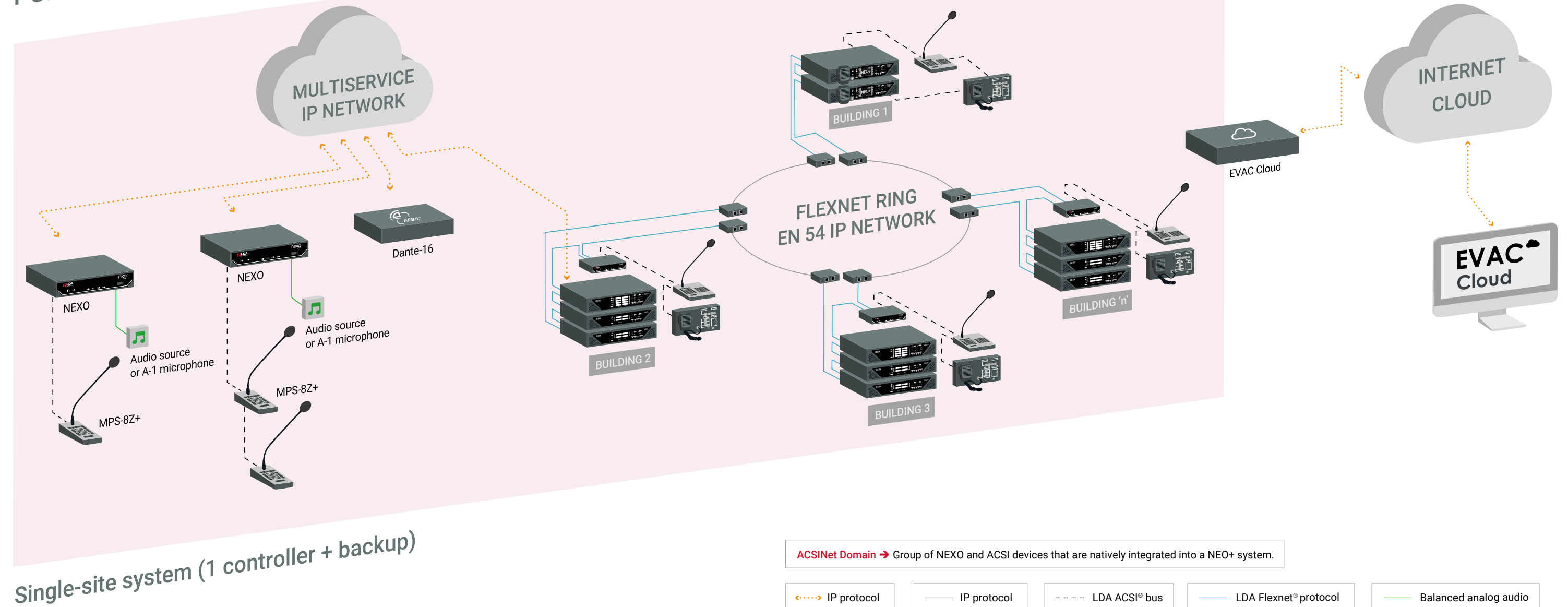


EN 54-16 certified

NEO+ EXTENSION 4500LE

4 x 500 W @4 Ω

PUBLIC ADDRESS AND VOICE EVACUATION SYSTEM



DISTRIBUTED NETWORK AND MULTISITE SYSTEMS

A SYSTEM THAT GROWS WITH THE PROJECT

Installations change. Zones are added, along with remote microphones or entire buildings that need to talk to each other.

LDA builds public address and voice evacuation architectures that adapt to every phase of the project, from a single building to multisite installations with NEO+, NEO and ONE.

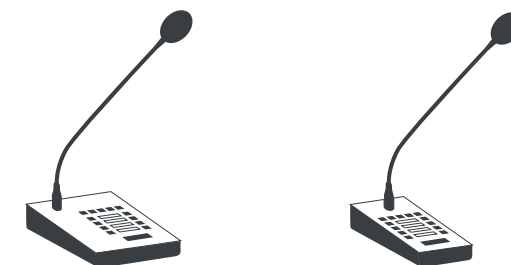
NEXO connects those buildings over an IP LAN, with AES67 IP audio and the ACSI Net protocol.

EVAC Control and EVAC Cloud complete the ecosystem: management, supervision and remote access from anywhere.

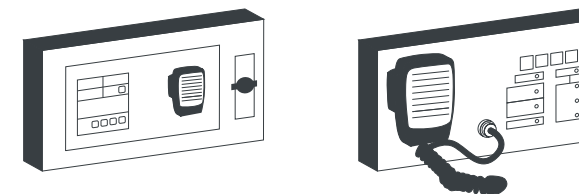
Visual recreation generated with artificial intelligence



IP AUDIO AND ACSI TO EXPAND NEO+



ACSI Net



NEXO connects AES67 IP audio with LDA's ACSI devices.

With NEXO, NEO+ grows with microphones, emergency panels and audio sources over the IP network. The installation is no longer limited by how far one device can be from another.

- AES67 IP audio at 48 kHz, 24-bit, 1 ms.
- ACSI v2 bus to connect up to 32 MPS-8Z, MPS-8Z+, VAP-1 or VAP1-FES devices per NEXO.
- Up to 128 NEXO units and 4,096 ACSI v2 devices in a single NEO+ architecture.
- Encrypted ACSI Net audio channel.
- Dual Ethernet connection for redundant network architectures.

nEXO-HUB

EN 54

LITE LICENCE



CONNECT ONE AND NEO IN MULTISITE INSTALLATIONS

NEXO includes NEXO Hub Lite as standard, at no extra licensing cost.

With this functionality, ACSI v1-based ONE and NEO systems integrate into a multisite architecture. NEXO acts as a gateway between each local system and the IP network.

At each building, NEXO connects to the ONE or NEO system's ACSI v1 bus and receives calls and commands from the global control level.

This way, existing installations or new ONE systems join an LDA multisite infrastructure, without changing what already works.

ONE MULTISITE, DIFFERENT SYSTEMS

Buildings running ONE or NEO coexist within the same architecture as buildings equipped with NEO+.

NEXO Hub Lite manages ONE and NEO systems. NEO+ uses NEXO Hub, which takes full advantage of ACSI Net's capabilities.

A single installation combines different LDA platforms under one global control point.

nEXO-HUB

EN 54

FULL LICENCE



NATIVE MULTISITE FOR NEO+

NEXO Hub extends the NEO+ architecture across multiple buildings.

With the NEXO Hub licence, each NEO+ system integrates as a domain within a multisite architecture distributed over an IP network.

Each building retains its local operation while also receiving audio and calls from control stations located anywhere on the network.

GLOBAL CONTROL, LOCAL OPERATION

Each building has its own MPS-8Z microphones or VAP panels for local operation.

Global calls to one or several buildings are launched from a control station made up of

NEXO, a NEXO Hub licence and an MPS-8Z or VAP.

From there, the operator selects and routes calls to all systems connected to the multisite architecture.

SCALES AS THE PROJECT GROWS

NEXO takes the architecture up to 128 units and 4,096 ACSI v2 devices, with 16 simultaneous microphone calls and 56 BGM channels at once.

ONE, NEO and NEO+ coexist within a single multisite installation, combining NEXO Hub Lite and NEXO Hub depending on each building's system.

EVAC ECOSYSTEM

MANAGEMENT, SUPERVISION AND REMOTE CONNECTION

EVAC adds a management layer to LDA's public address and voice evacuation systems, designed to simplify the operation and maintenance of the installation.

EVAC Control puts system management and control into a clear graphical interface. EVAC Cloud adds supervision and secure remote access from anywhere.

Two tools, one goal: operators and maintenance teams working on the installation without friction, wherever they are.

EVAC CLOUD

YOUR INSTALLATION, WHEREVER IT IS

EVAC Cloud centralises supervision and secure remote access to LDA NEO, NEO+ and ONE systems from any authorised location.

FASTER, MORE EFFICIENT MAINTENANCE

Supervise multiple installations in real time, receive incident notifications and connect remotely for maintenance and configuration tasks.

For integrators, maintainers and multisite organisations, EVAC Cloud means fewer site visits and faster responses whenever an installation needs them.

EVAC ⚙️
Control



EN 54-16

AES67

EVAC ☁️
Cloud

EVAC CONTROL NEO+

CENTRALISED CONTROL FOR NEO+

Manage NEO+ from a customisable graphical interface, with system supervision, maps, zone and audio management, messaging and task automation.

THE ENTIRE SYSTEM FROM ONE SCREEN

- Real-time status and fault monitoring.
- Zone management, routing, volume and mute.
- Calendar and pre-recorded messages.
- Virtual microphone with pre-listen.
- Multilingual Text-to-Speech.
- Independent per-zone AGC.
- Quick Launcher with Martyn's Law support.
- CRA compliance.

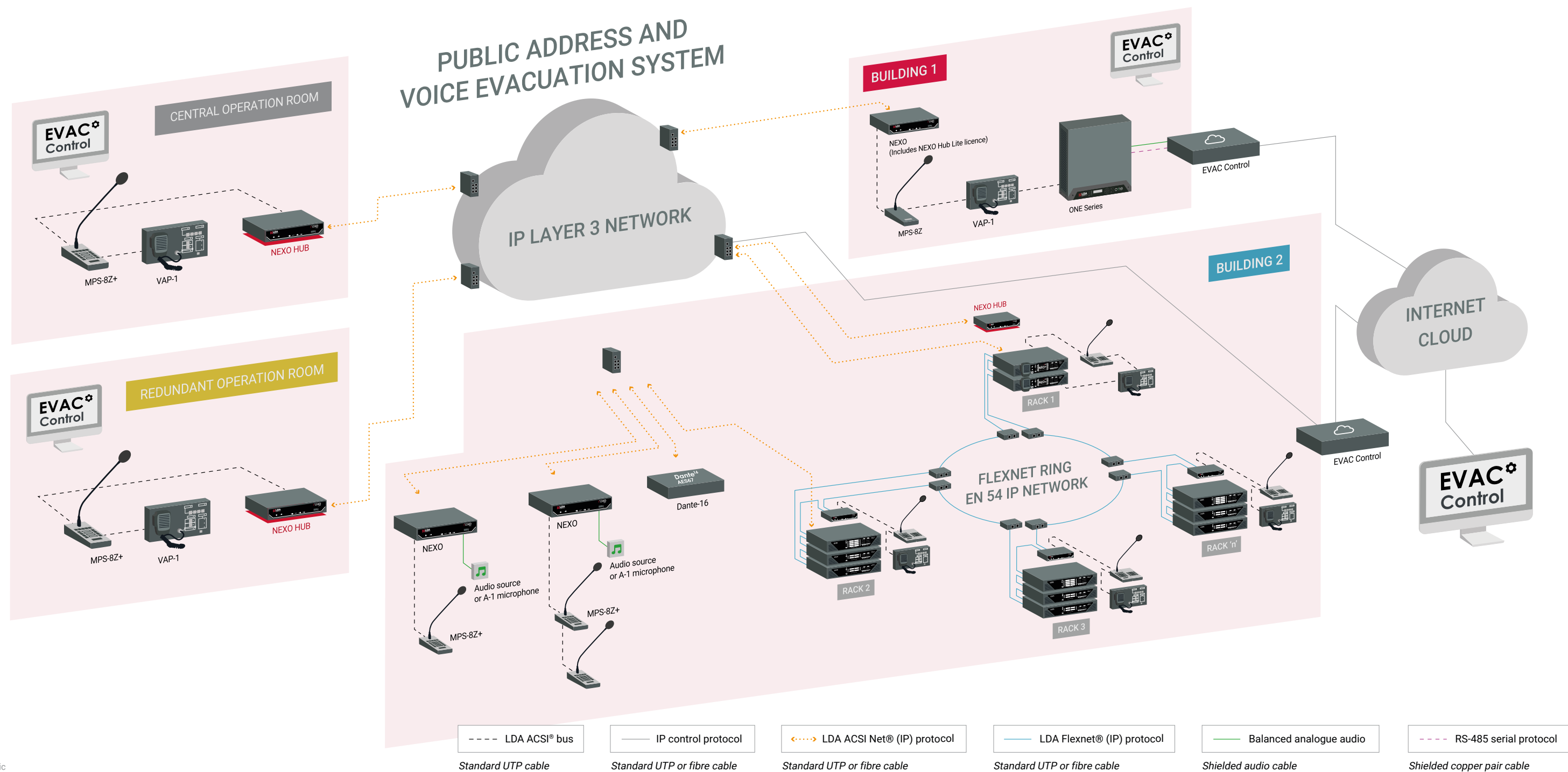
EVAC CONTROL ONE

CENTRAL MANAGEMENT FOR THE ONE SERIES

Control your whole ONE installation from a single point, with a simple, professional graphical interface.

MORE CONTROL FOR ONE INSTALLATIONS

- Native management of ONE-150/500 via RS-485.
- Status and fault monitoring.
- Volume control.
- Integration with generic analogue equipment.
- System-wide AGC.
- Quick Launcher with Martyn's Law support.
- Compliance with the EU Cyber Resilience Act (CRA).



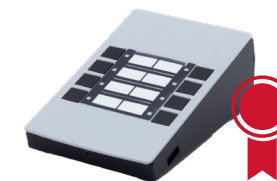
NEO+ ACCESSORIES FOR A RELIABLE AND CUSTOM-MADE SYSTEM



EN 54 Certified

MULTIZONE MICROPHONE MPS-8Z+

- Multizone microphone with ACSI v2 protocol to connect up to 32 devices on one bus.
- Store & Forward function to record messages and play them back by zones.



EN 54 Certified

EXPANSION KEYBOARD MPS-8K+

- EN 54 expansion keyboard for the MPS-8Z+ microphone with 8 programmable buttons.
- Metal chassis and buttons designed for intensive use.



EN 54 Certified

AES67 PROCESSOR CARD NEXO HUB

- Card for creating a link proxy in distributed multi-controller systems with NEO+.



EN 54 Certified

NETWORK SWITCH EN 54 EQ-242910

- Allows the configuration of IP communication networks between LDA Audio Tech EN 54 devices.
- Includes configuration for operation with LDA systems and mounting documentation.



EN 54 Certified

MEDIA CONVERTER EQ-201035

- Industrial fibre optic converter for extending Ethernet networks.
- Robust design allows a wide range of operating temperatures.



EN 54 Certified

SFP MODULES EQ-242911 / EQ-242912

- Fibre modules for EN 54 network switch model EQ-242910.
- For distances up to 2 km (EQ-242912) and up to 20 km (EQ-242911).



EN 54 Certified

SFP MODULES EQ-201036 / EQ-201037

- Module for EN 54 media converter model EQ-201035.
- Multimode 2 km (EQ-201036) and single-mode 10 km (EQ-201037).



EN 54 Certified

BATTERY CHARGER EQ-241976

- Battery charger EN 54-4.
- Backup and auxiliary power supply.
- With 2 x 480 W outputs, maximum power 960 W.
- Supports 1 NEO+/NEO unit.



EN 54 Certified

BATTERY CHARGER EQ-241977

- Battery charger EN 54-4.
- Backup and auxiliary power supply.
- With 6 outputs x 960 W, maximum power 3600 W.
- Supports up to 2 NEO+/NEO Extension units.



BATTERY EQ-242064

- 65 Ah @12 V battery for EQ-241976 charger.
- Maintenance free.
- High durability and charge/discharge cycles.
- Plastic container with valves for overcharge protection.



BATTERY EQ-242065

- 150 Ah @12 V battery for EQ-241977 charger.
- Maintenance free.
- High durability and charge/discharge cycles.
- Plastic container with valves for overcharge protection.



EN 54 Certified

FIRE BRIGADE CONTROL PANEL VAP1-FES

- Advanced voice alarm panel.
- Includes basic unit and emergency microphone.
- With red wall cabinet RAL 3000 IP30 model EQ-242057.



EN 54 Certified

FIRE CONTROL PANEL AND KEYBOARD VAP1-FES 7Z

- Advanced voice alarm panel.
- Includes basic unit, emergency microphone and 7-zone keypad.
- With red wall cabinet RAL 3000 IP30 model EQ-242057.



EN 54 Certified

7 ZONES EXPANSION VAP1-FES ERW 7Z

- 7-zone extension for voice alarm panel.
- For models VAP1-FES and VAP1-FES 7Z.
- Pre-assembled article in red wall cabinet RAL 3000 IP30 model EQ-242057.



EN 54 Certified

14 ZONES EXPANSION VAP1-FES ERW 14Z

- 14-zone extension for voice alarm panel.
- For models VAP1-FES and VAP1-FES 7Z.
- Pre-assembled article in red wall cabinet RAL 3000 IP30 model EQ-242057.



WALL CONTROLLER VCC-64

- Volume and channel wall controller in one zone.
- Installed locally by RS-485 bus cable.
- Up to 99 channels and volume from 0 to 9.
- 4-pole connector (terminal block).



POWER ADAPTER VCC-64PSK

- RJ-45 communications and power adapter for VCC-64 controller.
- Connection of up to 10 devices.
- Up to 200 m distance.
- Standard UTP cabling.



EN 54 Certified

DANTE®-AES67 CONVERTER DANTE-16

- Dante®-AES67 digital audio converter.
- Includes industrial hardware device and Linux operating system, with LDA DANTE16 application.
- Converts up to 16 channels of Dante® digital audio to AES67 protocol.



MICROPHONE SENSOR CONCENTRATOR ZES-22

- Digital audio processor for up to 4 measurement microphones.
- Compatible with LDA software Automatic Gain Control (AGC).
- Adjustable input sensitivity (+20 dB / -10 dB).

NEO+
c1ne

SHARED ACCESSORIES TO GO FURTHER

At LDA Audio Tech we work tirelessly to design public address and voice evacuation solutions that are both safe and efficient. Therefore, our range is completed with these accessories that can be used equally in NEO+ and ONE systems to provide them with the best functionalities.



EN 54 Certified

MULTIZONE MICROPHONE MPS-8Z

- Buttons: 8 zone, 1 event, 1 memory.
- Auto-lock and voice recording for redial.
- UTP cable connection (ACSI bus).
- Power, status, remote control and zone indicators.



MICROPHONE A-1

- Single-zone microphone desk with indicator lights.
- Micro-controller for different systems: on/off mode, PTT, RS-485, 2-wire TTL, pre-warning tone and TTL control levels.



EN 54 Certified

EXPANSION KEYBOARD MPS-8K

- 8 software programmable buttons for 8 PA zones.
- For intensive use with MPS-8Z microphone.
- Each microphone supports up to 7 expansion keypads.



EN 54 Certified

END OF LINE DEVICE TFL-2

- Impedance-based loudspeaker line supervision.
- Includes a filtered capacitive load, which does not overload the amplifier.



EN 54 Certified

VOICE ALARM PANEL VAP-1

- Voice alarm panel with event button and emergency microphone.
- UTP cable connection (ACSI bus).
- Power, status, remote control and warning indicators.



EN 54 Certified

EXPANSION KEYBOARD VAP-8K

- Keyboard expander for VAP-1 panel.
- 8 software programmable buttons for 8 public address zones.
- Each VAP-1 supports up to 7 expansion keypads.



EN 54 Certified

AES67 CONVERTER NEXO

- Networked AES67 audio converter and ACSI v2 bus controller.
- Connects up to 32 MPS-8Z, MPS-8Z+, VAP-1 or VAP1-FES devices for communication with NEO+.
- ACSI v1 bus controller, used as an integration interface for ONE or NEO in multi-site systems (includes NEXO Hub Lite licence).



BLANK BLOCK VAP-1EC

- Blank block module for VAP-1 panels.
- Valid for use with VAP-1 in 4U and 6U racks.
- Suitable for use below ONE series unit in wall installation.



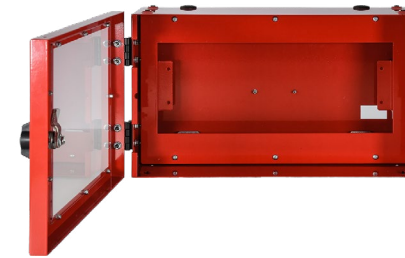
WALL-MOUNTED CABINET RACK-4ALT

- 19" 4U wall rack for VAP-1 voice alarm panel.
- Includes glass door.
- Allows up to 2 VAP-8K extension units.
- Dimensions: 600 x 150 x 288 mm.



WALL-MOUNTED CABINET RACK-6ALT

- 19" 6U wall rack for VAP-1 voice alarm panel.
- Includes glass door.
- Allows up to 7 VAP-8K extension units.
- Dimensions: 600 x 150 x 360 mm.



RED WALL-MOUNTED CABINET EQ-242057

- Wall-mounted rack to house a VAP-1 voice alarm panel and a VAP-8K keypad extension.
- Door with glass window and locking bolt.
- Made of sheet steel and finished in RAL 3000 (fire red).



PLAYER RCD-21R

- CD player, FM/AM radio, and high speed USB.
- Independent AM/FM and CD/USB outputs.
- Supports MP3, WMA and WAV formats.
- Independent volume control for 2 line outputs.

LOUDSPEAKERS: A MODEL FOR EVERY NEED

Achieving adequate sound pressure levels and intelligibility for an emergency system depends on the loudspeakers and acoustic solutions selected.

The LDA Audio Tech range is distinguished by its wide coverage, clarity and variety of formats and applications.

All our models are certified according to EN 54-24 standard for voice alarm systems in fire protection.

Our directive solutions can adapt to any complicated acoustic environment or high reverberation.

EN 54 Certified

CH-32TN

- 3" ceiling loudspeaker.
- Lines: 6/3/1.5/0.75 W @100 V and 3/1.5/0.75/0.375 W @70 V.
- With CH-32TNFD fire protection dome.
- With ceramic terminal and isolation fuse.
- IP44 rating.



EN 54 Certified

CH-42TN

- 6" ceiling loudspeaker.
- Lines: 6/3/1.5/0.75 W @100 V and 3/1.5/0.75/0.375 W @70 V.
- Ceramic terminal, thermal fuse and fire protection dome.
- IP44 rating.
- White (RAL 9016) or black (RAL 9005) grille.



EN 54 Certified

CH-62TN

- 6.5" ceiling loudspeaker.
- Lines: 30/15/7.5/7.5/3.75 W @100 V and 15/7.5/3.75/3.75/1.8 W @70 V.
- Low distortion and high sound pressure level.
- Equipped with fire protection dome.
- With ceramic terminal and isolation fuse.
- IP44 rating (type A according to EN 54-24).



EN 54 Certified

NB-50TN

- 5" ceiling loudspeaker.
- Lines: 6/3/1.5 W @100 V and 3/1.5/0.75 W @70 V.
- Frameless design with protection dome.
- Moisture sealed for installation in humid environments.
- IP54 rating (type B according to EN 54-24).



Weatherproof



EN 54 Certified

DS-60TN

- 5" surface loudspeaker.
- Lines: 6/3/1.5/0.75 W @100 V and 3/1.5/0.75/0.375 W @70 V.
- Metal enclosure for protection against fire and vandalism.
- Ceramic terminal and thermal fuse.
- IP21C rating.
- Available in white (RAL 9016) and black (RAL 9005).



Weatherproof

EN 54 Certified

PSP-20TN

- 5" pendant loudspeaker.
- Lines: 20/10/5/2.5 W @100 V and 10/5/2.5/1.25 W @70 V.
- ABS 5VB enclosure and y 5 m hose.
- Anti-vandal and weatherproof.
- IP65 rating (type B according to EN 54-24).



Weatherproof

EN 54 Certified

PCP-20TN

- 5" unidirectional projector.
- Lines: 20/10/5/2.5 W @100 V and 10/5/2.5/1.25 W @70 V.
- ABS V0 enclosure, fire-resistant.
- High sound pressure, low distortion and wide frequency response.
- Ceramic terminal and thermal fuse.
- IP65 rating.
- Available in white (RAL 9016) and black (RAL 9005).



Weatherproof

EN 54 Certified

PCM-20TN

- 5" unidirectional projector.
- Lines: 20/10/5/2.5 W @100 V and 10/5/2.5/1.25 W @70 V.
- 3 mm aluminium enclosure and steel grille.
- High sound pressure, low distortion and wide frequency response.
- Ceramic terminal and thermal fuse.
- IP65 rating.



Weatherproof

⇒ Bidirectional

EN 54 Certified

PCM-220TN

- Bidirectional projector.
- Lines: 20/10/5/2.5 W @100 V and 10/5/2.5/1.25 W @70 V.
- High sound pressure, low distortion and wide frequency response.
- High resistance. IP65 (type B according to EN 54-24) and ultraviolet protection.



Weatherproof

EN 54 Certified

PS-15TN

- Exponential horn.
- Lines: 15/7.5/3.75 W @100 V and 7.5/3.75/1.8 W @70 V.
- Manufactured in highly resistant ABS, with UL94-5VB fire protection.
- Adjustable U-bracket for easy installation.
- Clear voice and superior sound quality.
- IP66 rating (type B according to EN 54-24).



Weatherproof

EN 54 Certified

PS-30TN

- Exponential horn.
- Lines: 30/15/7.5 W @100 V and 15/7.5/3.75 W @70 V.
- Manufactured in highly resistant ABS, with UL94-5VB fire protection.
- Adjustable U-bracket for easy installation.
- Clear voice and superior sound quality.
- IP66 rating (type B according to EN 54-24).



Weatherproof

EN 54 Certified

VTX-15TN

- Directive loudspeaker.
- 2 drivers.
- 15 W nominal power.
- Lines: 15/7.5/3.75 W @100 V and 7.4/3.7/1.85 W @70 V.
- Manufactured in resistant aluminium.
- IP54 rating (type B according to EN 54-24).



Weatherproof

EN 54 Certified

VTX-60TN

- Directive loudspeaker.
- 8 drivers.
- 60 W nominal power.
- Lines: 60/30/15 W @100 V and 30/15/7.5 W @70 V.
- High directivity for acoustically complex enclosures.
- IP54 rating (type B according to EN 54-24).



Weatherproof

EN 54 Certified

VTX-90TN

- Directive loudspeaker.
- 12 drivers.
- 90 W nominal power.
- Lines: 90/45/20 W @100 V and 45/22/10 W @70 V.
- High directivity for acoustically complex enclosures.
- IP54 rating (type B according to EN 54-24).



QUALITY IS AN ATTITUDE

The best way to ensure our systems perform as intended is by having accredited certifications according to the strictest international standards.

All quality systems and processes at LDA Audio Tech are backed by **ISO 9001 certification**, and our solutions are supported by leading safety standards and certifications.



EN 54-16 Certified
EN 54-4 Certified



EN 60849
Compliant



EN 54-32
Compliant



APF Certification



CE 1+ Marking
under CPR



Qatar
Civil Defence



UAE Civil
Defence UAE



Jordan Civil
Defence



Saudi Arabia
Civil Defence



Kuwait Fire Service
Directorate



Royal Oman Police
Civil Defence



ISO 9001



EAC Marking



GOST Russia



Israel Institution



SES of Ukraine



CMI ProdCert
CMI
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