NEO+

EN 54-16
Certificate No. 0370-CPR-3260

AES67

Dante™

PUBLIC ADDRESS, BACKGROUND MUSIC AND VOICE ALARM SYSTEM

LDA audioTech

NEO+

SCALABLE PROJECTS WITH MAXIMUM POWER

NEO+ is an advanced EN 54-16 certified public address, background music and voice alarm system that offers maximum flexibility and power, with high-performance features that put it at the forefront of state-of-the-art technology.

Designed for medium to large installations, NEO+ reduces time and costs thanks to its plug-and-play philosophy, which facilitates all installation, maintenance and system operation procedures.

MADE IN SPAIN

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NEO+

PUBLIC ADDRESS AND VOICE ALARM SYSTEM

EN 54-16 certificate and international certifications (Middle East Civil Defense, EAC)

Plug-and-play scalable system. Easy and intuitive use both in local and remote mode

Maximum secutiry and robustness

Dual redundant controller configuration

AES67 and Dante® digital audio protocols

NEO+ MAIN CONTROLLER FEATURES

1 VERSATILITY

For centralized
or distributed projects

2 CORE

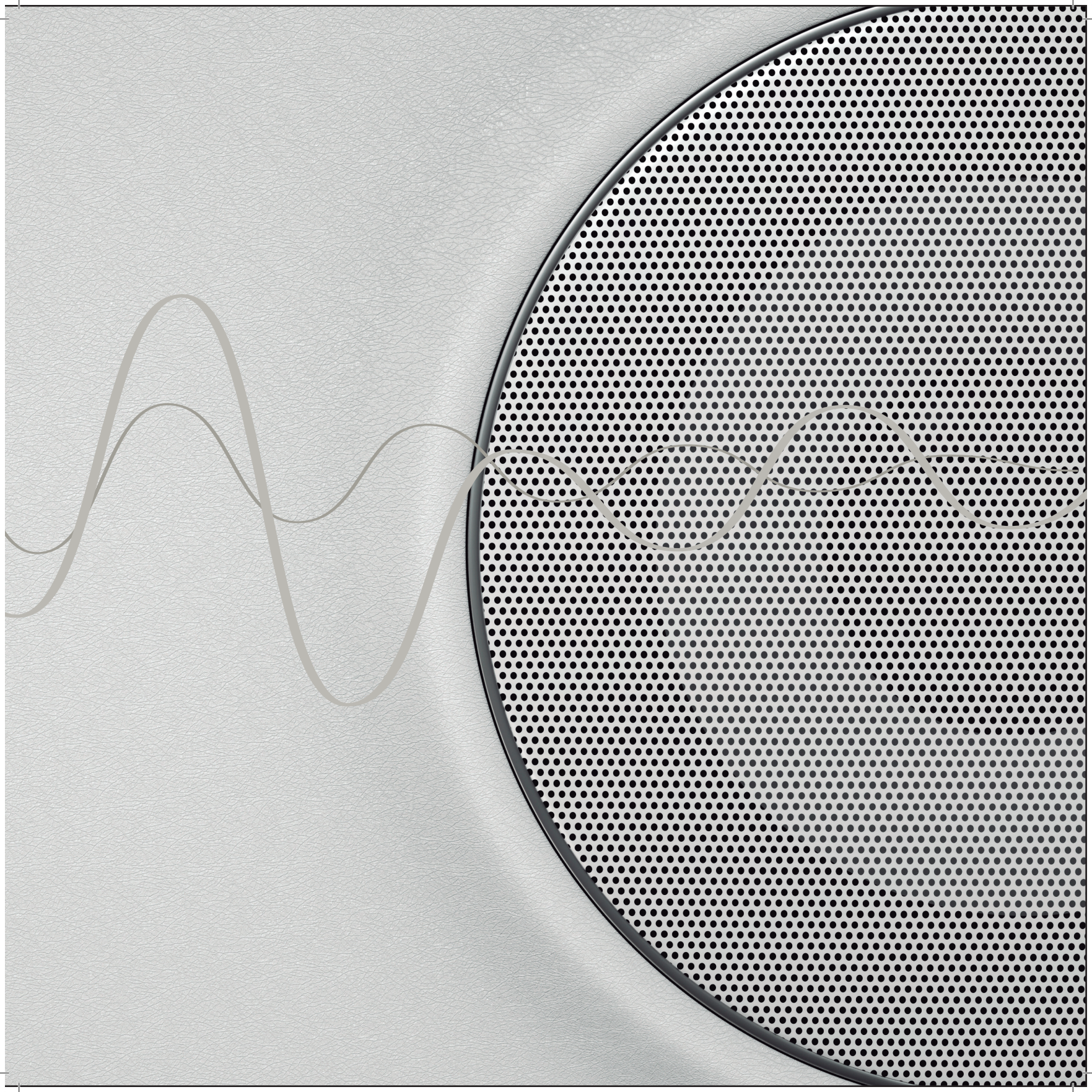
Managing and monitoring
each element of the
NEO+ system

3 ALL-IN-ONE

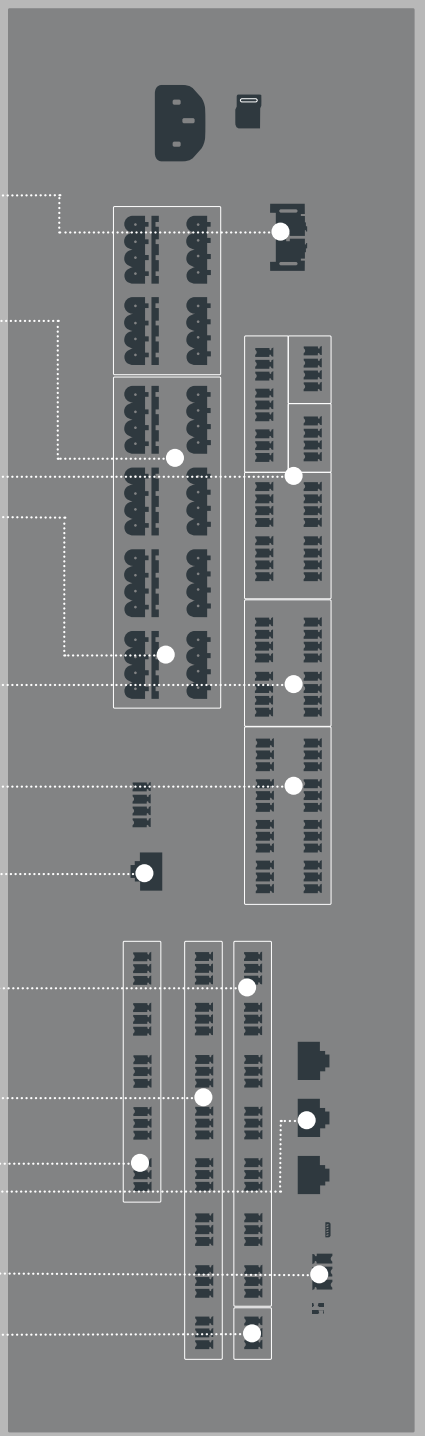
Includes all the
functionalities required for
an EN 54-16 system

4 SCALABLE

Through the 4-channel
and 8-channel
NEO+ Extension units



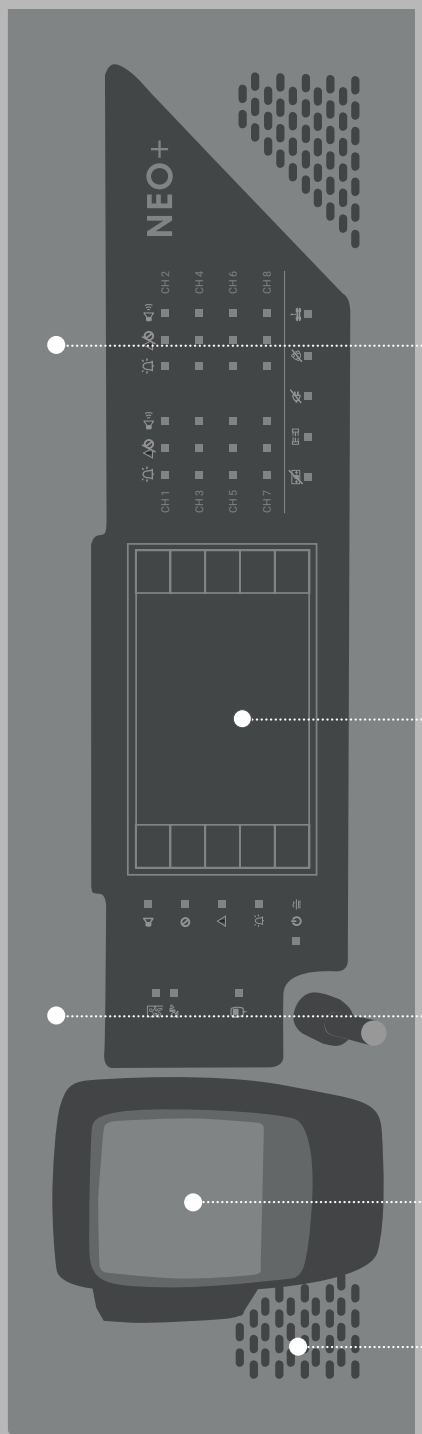
Rear view ▸



1. Backup power input 24 V DC
2. 8 Class D amplifiers, each 120 W
3. Contact closure interface with fire detection panel
4. Line supervision and standby amplifier
5. 8 24 V outputs for attenuator control
6. 8 EOL device inputs
7. Microphone bus and remote panel
8. 14 GPIO closures for integration
9. 8 pre-amplified audio outputs
10. 5 balanced analogue audio inputs
11. Triple IP interface
12. RS-485 port for integrations
13. RS-485 interface

NEO+

Master controller



◀ Front view

1. Dual player for pre-recorded messages (13 hours / 99 messages / up to 10 minutes per message)
2. 4.3” colour, touch-screen display
3. Digital audio matrix (40 inputs and up to 1024 zones)
4. Supervised emergency microphone
5. Monitor speaker

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 256 zones, and can work without zone limitation when in multi-controller mode.

Through a IP loop connection, the NEO+ main controller transmits digital 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.

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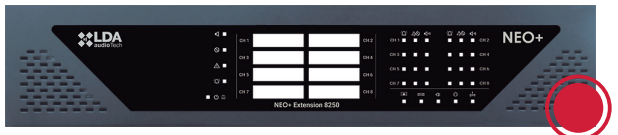
NEO+ EXTENSION 4250E

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



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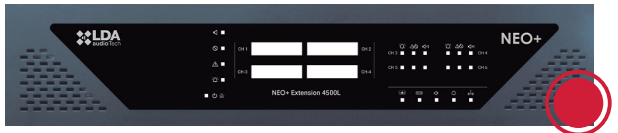
NEO+ EXTENSION 8250E

8 x 250 W

EN 54-16 certified

NEO+ EXTENSION 4500E

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



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NEO+ EXTENSION 4500LE

4 x 500 W @4 Ω

OPTIMIZE NEO+ WITH OUR EVAC PLATFORMS

Now you can control and supervise all the devices in your NEO+ system from a desktop application.

Thanks to the innovative cloud-based technologies developed by our R&D team, you can make your public address and voice evacuation system globally accessible.

You will be able to optimize material and maintenance resources, especially in multi-site systems, where remote management facilitates all control and supervision processes.

EVAC Control

EVAC Cloud

EN 54-16

EVAC CONTROL

EN 54 LOCAL MANAGEMENT AND SUPERVISION

EVAC Control is a management and supervision platform for local EN 54 public address and voice evacuation systems NEO+ and NEO, both single and multi-site. Through an eCore device, the app controls PA and BGM functions and includes a calendar module for scheduling pre-recorded messages.

Multi-site license

EVAC Control includes the possibility to add an extra license to manage a NEO+ system with master controller and extensions through an eCore device.

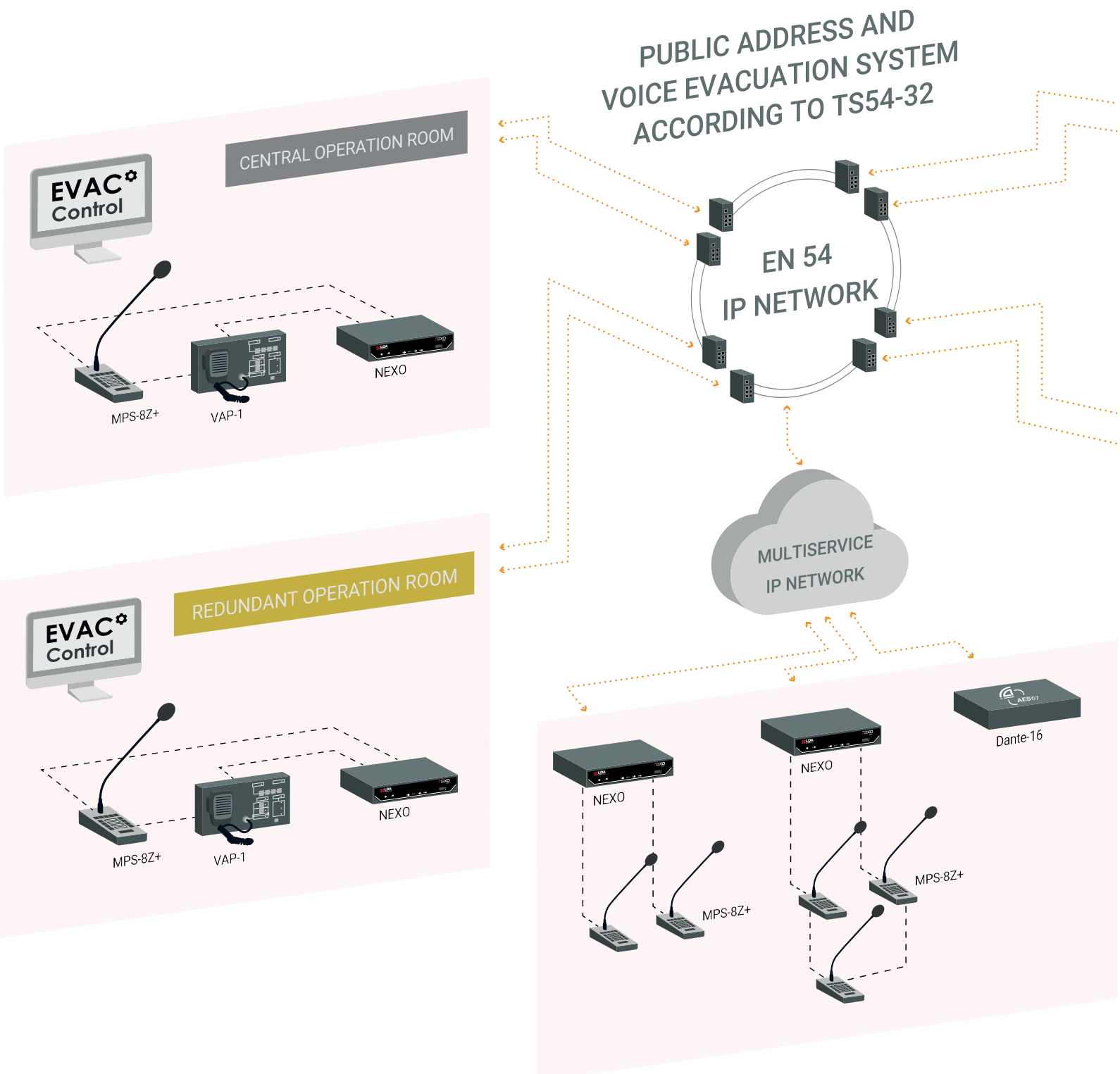
EVAC CLOUD

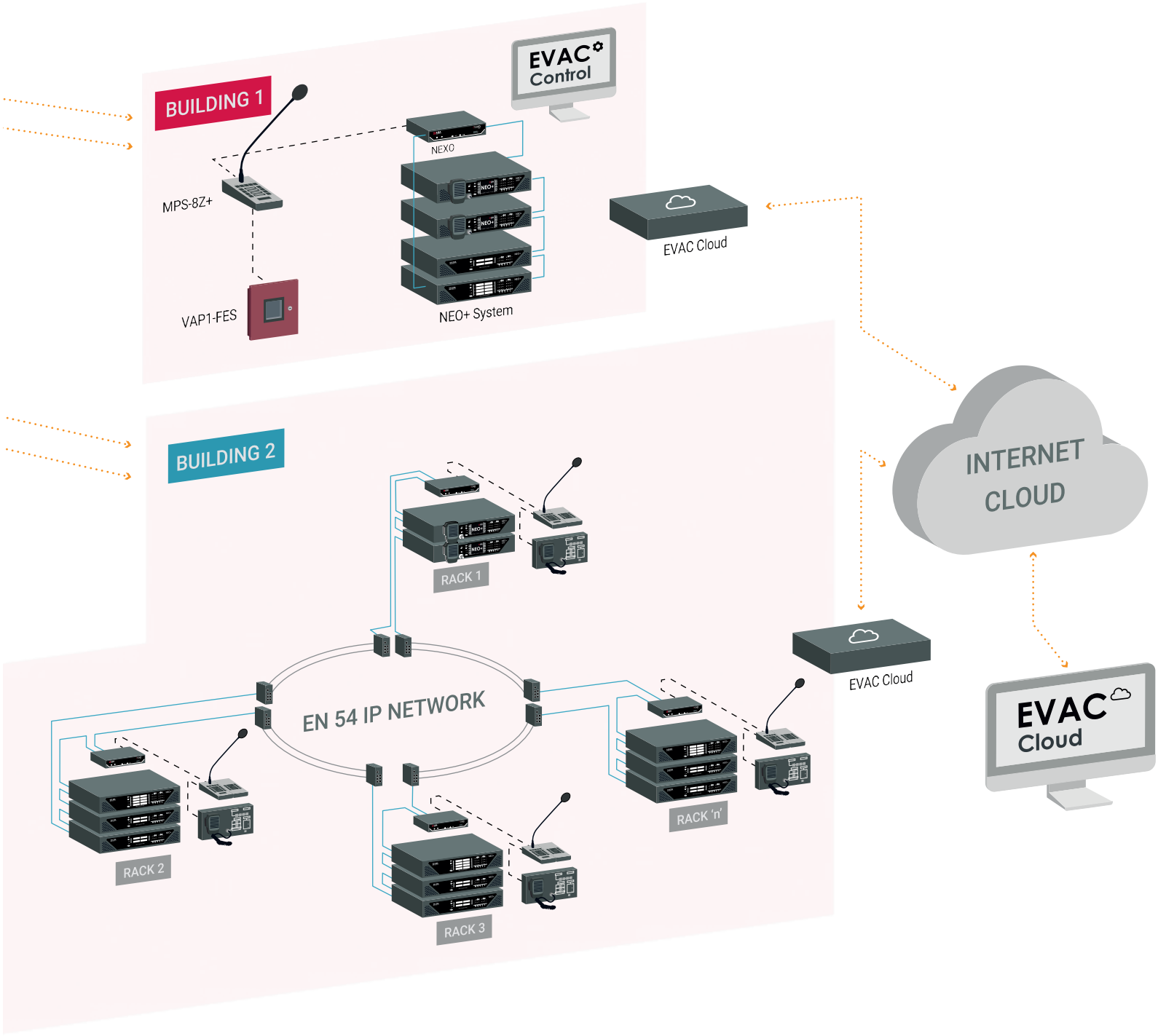
EN 54 REMOTE CONNECTION AND SUPERVISION

EVAC Control enables EN 54 remote monitoring and connection for alarm management in NEO+ and NEO systems. The platform offers secure remote access for advanced configuration functions through NEO Configurator using an eCore device.

Renewable subscription

The EVAC Cloud platform provides access to remote control services through a yearly renewable subscription.


PUBLIC ADDRESS AND
VOICE EVACUATION SYSTEM
ACCORDING TO TS54-32
CENTRAL OPERATION ROOM
EVAC Control
MPS-8Z+
VAP-1
NEXO
EN 54
IP NETWORK
MULTISERVICE
IP NETWORK
REDUNDANT OPERATION ROOM
EVAC Control
MPS-8Z+
VAP-1
NEXO
NEXO
MPS-8Z+
NEXO
MPS-8Z+
Dante-16

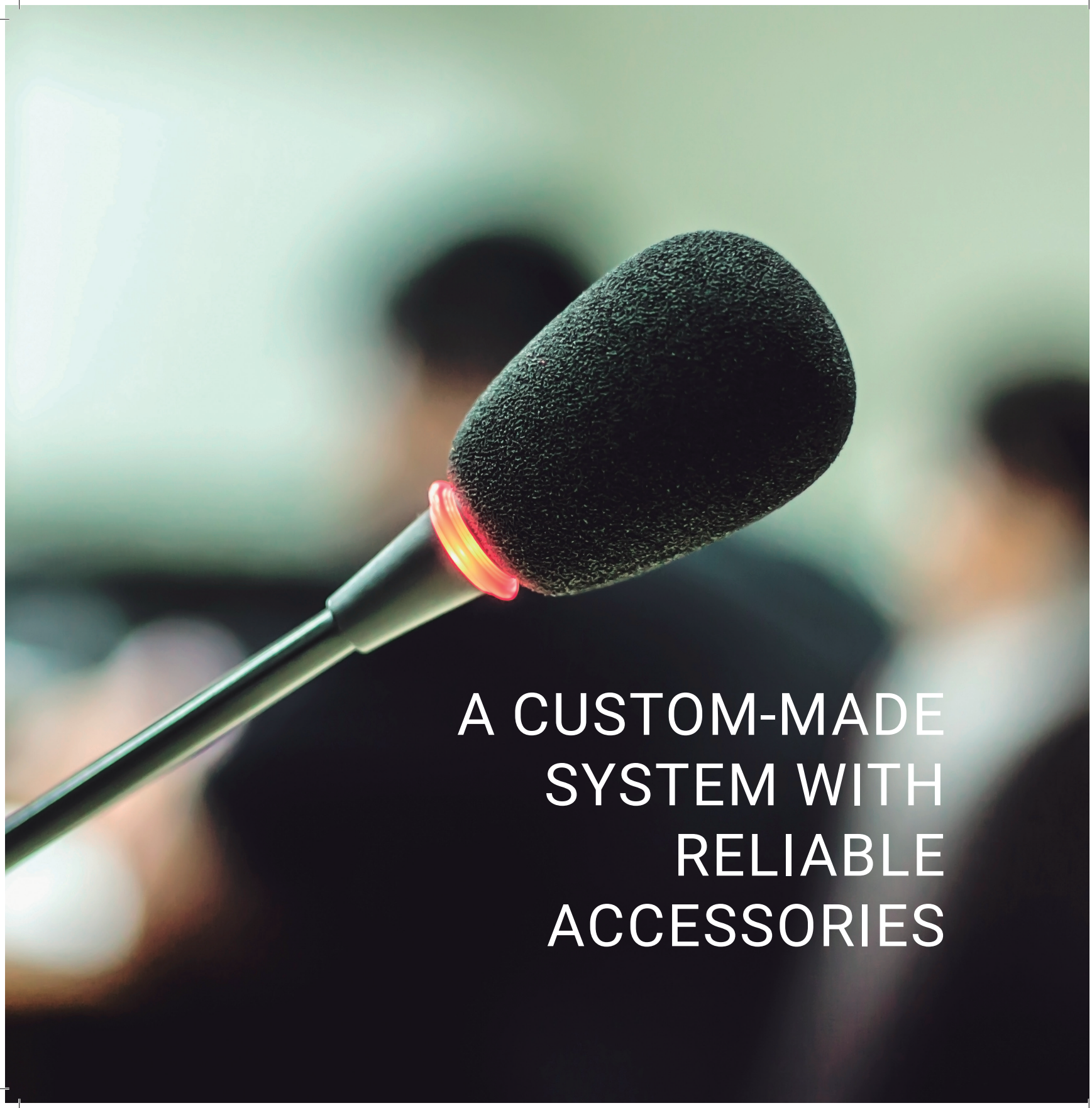


IP protocol
Standard UTP cabling

IP protocol
Fiber cabling

LDA ACSI® bus
Standard UTP cabling

LDA Flexnet® protocol
Standard UTP cabling


A CUSTOM-MADE
SYSTEM WITH
RELIABLE
ACCESSORIES

EN 54 certified

AES67 CONVERTER NEXO

AES67 network audio converter and ACSI v2 bus controller for connecting up to 64 MPS-8Z or VAP-1 devices.

EN 54 certified

EN 54 NETWORK SWITCH SWT4E-2F

Allows the configuration of IP communication networks between LDA Audio Tech EN 54 devices.

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DANTE-AES67 CONVERTER DANTE-16

Dante-AES67 digital audio converter, includes LDA eCore device to convert up to 16 channels of digital audio.

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INTEGRATION INTERFACE DIRECT LINK

Device for integrating fire detection systems and NEO+ and NEO systems. Allows native communication of alarms and emergency management.

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MICROPHONE MPS-8Z+

Paging station with ACSI v2 protocol to connect up to 32 devices in one bus.

EN 54 certified

EXPANSION KEYBOARD MPS-8K+

EN 54 certified expansion unit for MPS-8Z paging station with 8 programmable buttons in ACSI v2 protocol.

EN 54 certified

MICROPHONE MPS-8Z

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

EN 54 certified

EXPANSION KEYBOARD MPS-8K

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

MICROPHONE A-1

One zone desktop microphone
with lighting indicators
and microcontroller.

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.

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FIRE BRIGADE CONTROL PANEL VAP1-FES

EN 54 voice alarm panel with advanced functionalities and status monitoring by zones. General control unit with emergency microphone. Includes red wall cabinet model EQ-242057.

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FIRE CONTROL PANEL AND KEYBOARD VAP1-FES 7Z

EN 54 voice alarm panel with advanced functionalities and status monitoring by zones. General control unit with emergency microphone and 7-zone expansion keyboard. Includes red wall cabinet model EQ-242057.

EN 54 certified

7 ZONES EXPANSION VAP1-FES ERW 7Z

Panel with 7-zone expansion keyboard for use with VAP1-FES and VAP1-FES 7Z. With advanced functionalities and status monitoring by zones. Includes red wall cabinet model EQ-242057.

EN 54 certified

14 ZONES EXPANSION VAP1-FES ERW 14Z

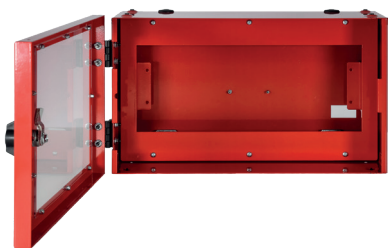
Panel with 14-zone expansion keyboard for use with VAP1-FES and VAP1-FES 7Z. With advanced functionalities and status monitoring by zones. Includes red wall cabinet model EQ-242057.

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.



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

END OF LINE DEVICE TFL-2

EN 54 certified EOL device to test the integrity of 70/100 V speaker lines with impedance measurements.

EN 54 certified

BATTERY CHARGER EQ-241976

EN 54-4 charger with 2 outputs (480 W each) and 960 W maximum power.

EN 54 certified

BATTERY CHARGER EQ-241977

EN 54-4 charger with 6 outputs (960 W each) and 3600 W maximum power.

BATTERY EQ-241978

45 Ah and 12 V battery for EQ-241976 charger.

BATTERY EQ-241994

120 Ah and 12 V battery for EQ-241977 charger.

IMPEDANCE ATTENUATORS AT SERIES

Attenuators for high impedance lines, with models covering power ratings from 6 W @70 V to 50 W @100 V. Includes surface mounting box model MC-20EC.

MULTISOURCE PLAYER RCD-21R

All-in-one player for multiple audio sources. Includes CD/DVD, CDR, CDRW, MP3, WMA and FM/AM, Hi-Speed USB and SD cards.

WALL CONTROLLER VCC-64

Controller for channels (up to 99 programmable) and volume (0-9 levels) with RS-485 bus connection.

POWER ADAPTER VCC-64PSK

RJ-45 communication and power supply adapter to connect up to 10 VCC-64 wall controllers.

LEADING TECHNOLOGY MADE IN SPAIN

For more than 45 years, LDA Audio Tech has been designing and manufacturing the most advanced sound equipments for public address, background music and voice alarm systems from its headquarters in Málaga (Spain).

We work with installers, integrators and distributors in more than 60 countries to provide them with the customized solutions that they need in audio systems for security and fire protection.

Our specialized engineering and technical team works constantly to stay up-to-date with the latest technology. That is why we are active participants in the international committees that establish the regulations about voice evacuation, at the same time as we are offering training to all our partners worldwide.

LDA Audio Tech guarantees a solid structure and a committed team for any large-scale project anywhere in the world.

NEO+

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