

The background of the entire page is a high-angle, wide shot of the interior of the Oculus at the World Trade Center. The structure's iconic white, ribbed exterior is visible, curving inward to form a large, open atrium. The floor is a light-colored, polished surface where many people are walking. In the upper part of the image, a large, vertical, oval-shaped skylight allows natural light to filter into the space. The overall atmosphere is bright and modern.

# NEO

**EN 54 -16**

Certificate No. 0370-CPR-3260

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



# NEO

## VIRTUE IS IN THE MIDDLE WAY

NEO is an EN 54-16 certified public address, background music and voice alarm system, compact and all-in-one, that allows a quick installation using only one unit.

Designed for medium and large venues, NEO offers advanced functions while reducing time and costs. Its plug-and-play philosophy facilitates all installation, maintenance and operating procedures.



 MADE IN SPAIN

**EN 54 -16**

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**NEO-8060**

**MAIN UNIT 8 x 120 W**

Scalable and customizable system, EN 54 certified

Central control for up to 1024 public address and emergency zones

Maximum security and intelligibility in any situation

Easy and intuitive use both in local and remote mode

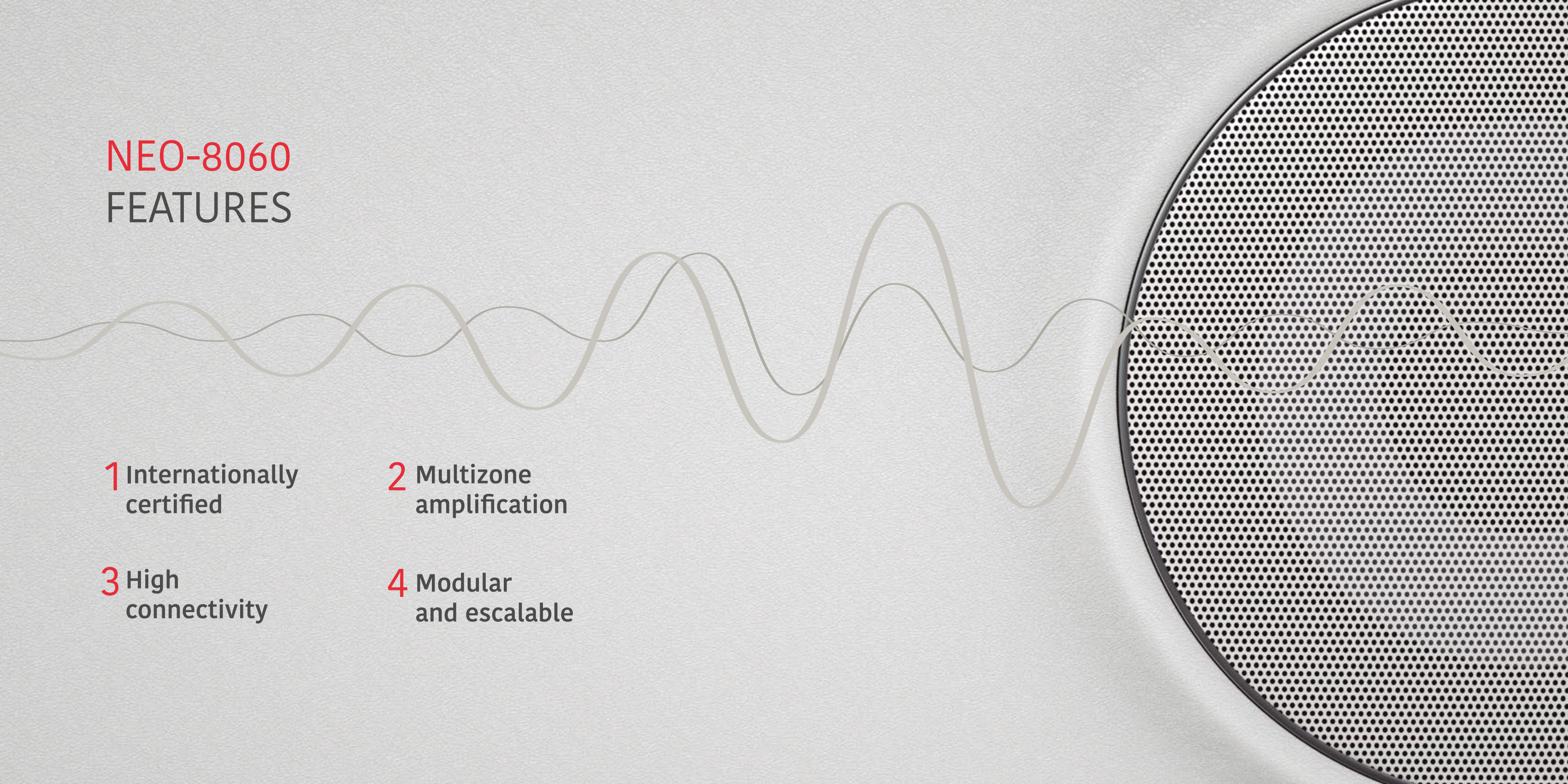
# NEO-8060 FEATURES

**1** Internationally  
certified

**2** Multizone  
amplification

**3** High  
connectivity

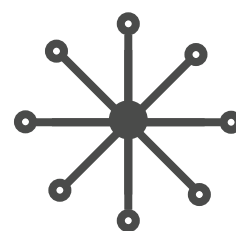
**4** Modular  
and escalable





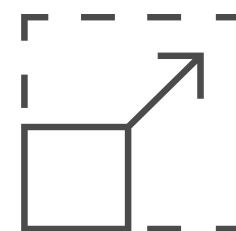
## COMPLYING WITH INTERNATIONAL STANDARDS

The NEO system guarantees a safe and controlled evacuation since it is designed to comply with the strictest international regulations. The main unit and its extensions adjust to the EN 54-16 standard (certificates 0370-CPR-3260 and 0370-CPR-3261) and the EN 60849 standard. They are complemented with EN 54-24 certified speakers and EN 54-4 certified power supply equipment.



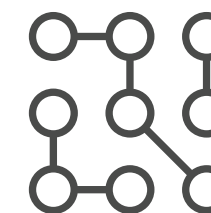
## 8 AMPLIFICATION ZONES WITH ONE NEO UNIT

The NEO system includes 8 class D amplifiers for 8 independent audio zones, working from 8 local and 32 remote sources. The user can configure up to 8 120 W channels with line supervision, and use one of them as a back-up. NEO has a built-in dual player with 4 GB storage to record up to 99 messages and/or 13 hours of audio.



## EXPANDABLE AND SCALABLE TO REACH EVERYWHERE

NEO works with other equipments using standard Ethernet networks and universal protocols such as Flexnet and RS-485. This high connectivity makes it work fine without special cabling in any installation through the data network.



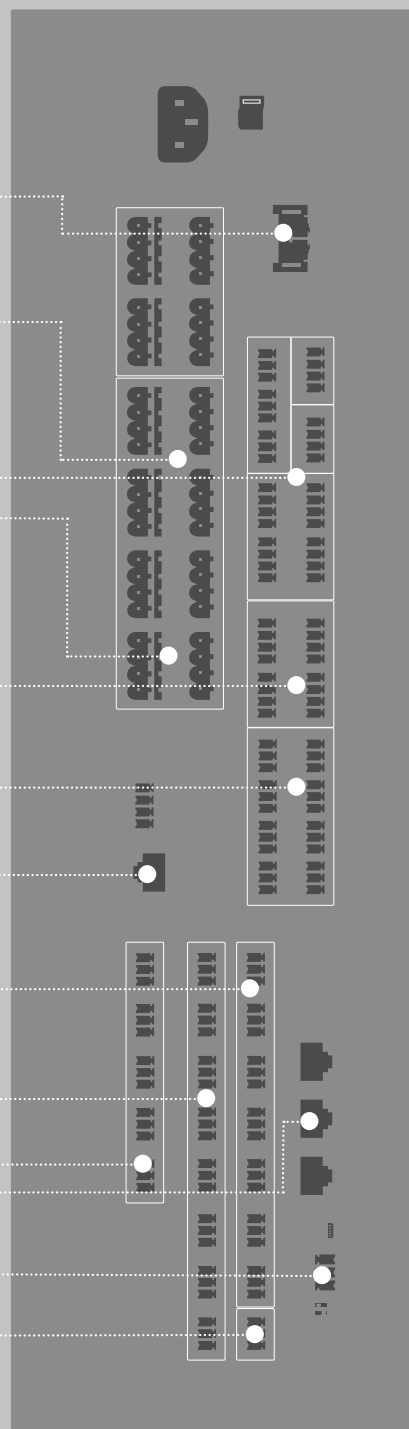
## THE MOST ADVANCED INTEGRATION

The NEO 40x1024 audio matrix can send audio out to any zone simultaneously. This allows to have different audio for every area, with digital quality provided by the DSP system for filters and parametric equalisation of 7 bands. Thanks to its modular configuration, NEO can reach up to 1024 zones in a system with 128 stations.

Discover NEO at [lda-audiotech.com/en/neo](https://lda-audiotech.com/en/neo)

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 Ethernet interface
- 12 RS-485 port for integrations
- 13 RS-485 interface with fire detection panel

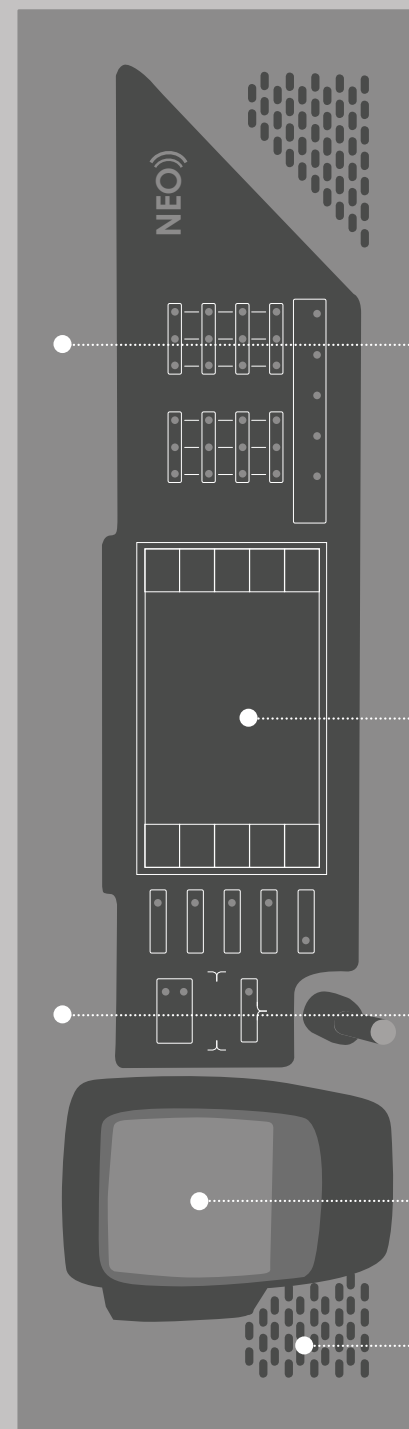


◀ Front view

# NEO-8060

Master controller

- 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 expand up to 1024 alarm zones with ease and scalability thanks to the NEO Extension units.

Through UTP wiring, Flexnet and audio over Ethernet, the NEO main unit sends the signal out to all system zones and can control them centrally.

NEO automatically recognises 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 x 250 W / 2 x 500 W



EN 54-16 certified

**NEO EXTENSION 8250E**

8 x 250 W



EN 54-16 certified

**NEO EXTENSION 4500E**

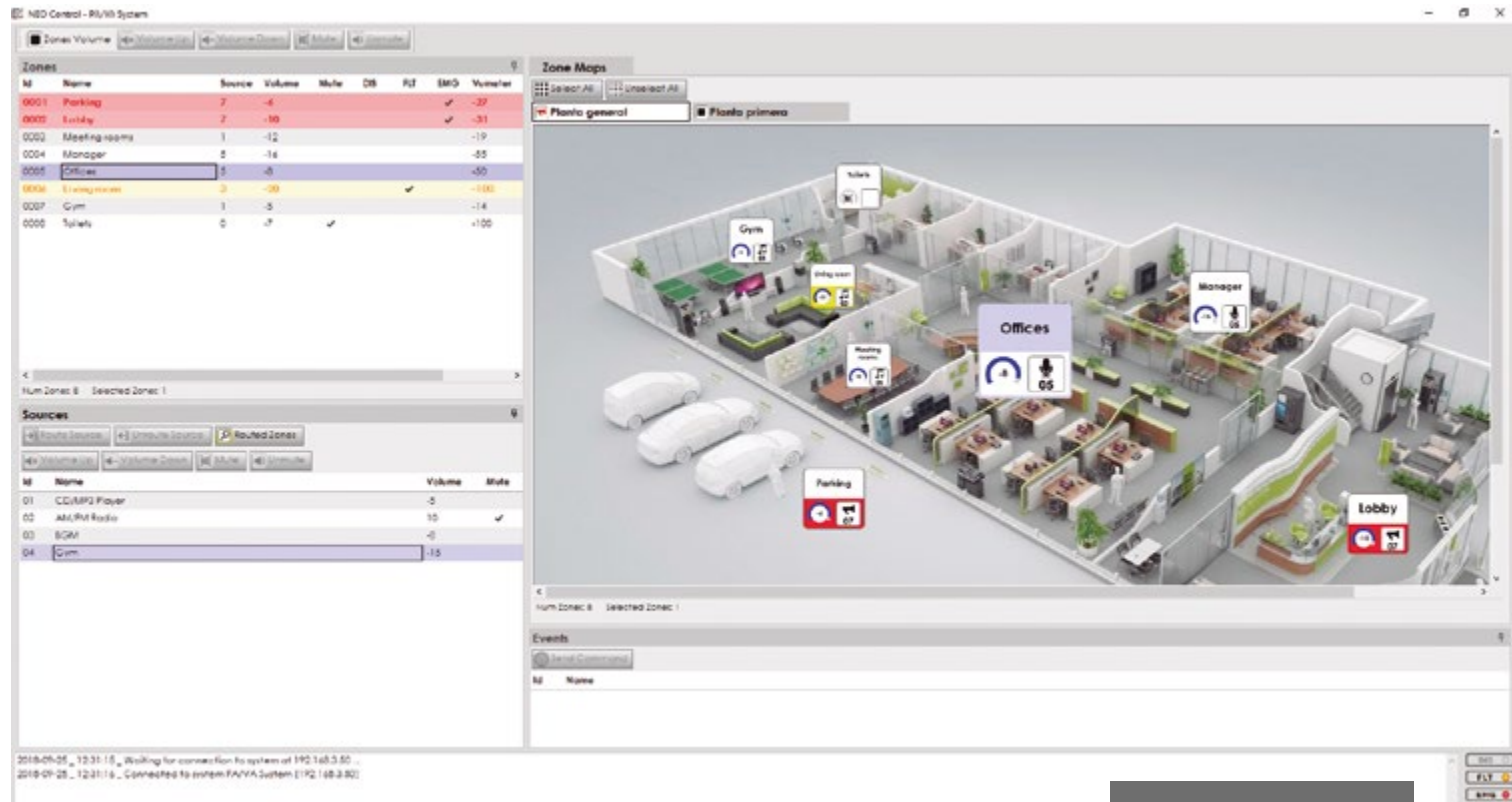
4 x 500 W / 2 x 1000 W



EN 54-16 certified

**NEO EXTENSION 4500LE**

4 x 500 W @4 Ω



## NEO CONTROL: SAFE REMOTE SUPERVISION

The whole NEO system, main unit and extensions included, can be easily managed thanks to the NEO Control auto-install software.

Without the need to configure databases, NEO Control can add the installation drawing plans and manage the system from top to bottom: volume control, audio routing, failure supervision, evacuation mode, etc.

## NEO CONFIGURATOR: MAKE THE MOST OF NEO SYSTEM

With an easy and intuitive interface, NEO Configurator allows to configure each and every NEO parameter.

Using this Windows software, any project can be managed as required down to the smallest detail, adding and assigning devices, linking systems, setting audio zones messages, launching events, etc.

# CENTRALISED AND INTUITIVE CONTROL WITH SIME

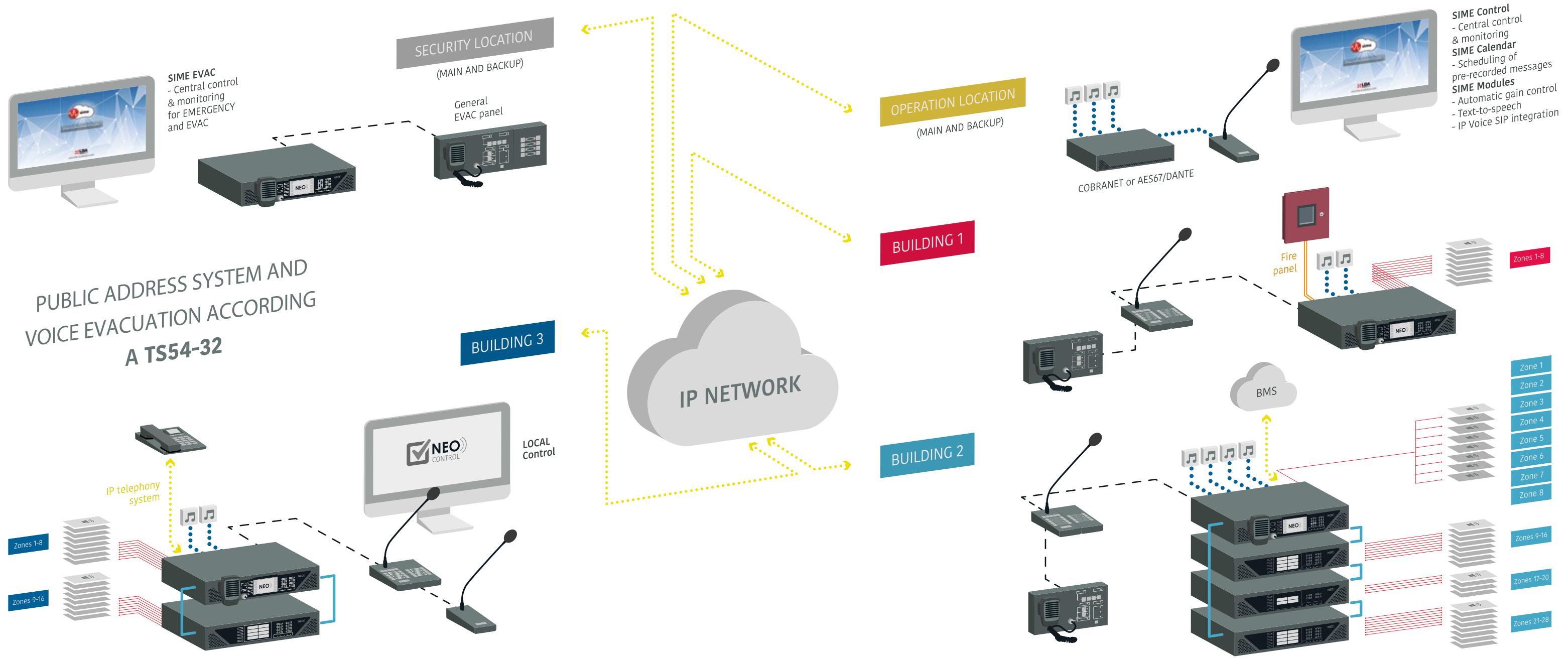


NEO system can be remotely controlled through a TCP/IP connection and using the LDA SIME Control software.

This application allows to monitor at a glance all the public address and voice alarm installation, including real-time failure detection.

This software is based on web services and works on the cloud through a touch-screen interface. SIME Control can be completely customised and expanded with the event programmer module **SIME Calendar**, the **VOIP SIP module** and the **TTS module**.





**PUBLIC ADDRESS SYSTEM AND VOICE EVACUATION ACCORDING A TS54-32**

- Integration with fire panel  
*General or by zone contact series 485 closures*
- Analogue audio inputs  
*Audio balanced 2 pair shielded cable*
- Amplification output (A + B wiring)  
*2 x 1,5 mm<sup>2</sup> copper pair cable (according to power and distance)*
- LDA FlexNet® protocol  
*Standard UTP cabling*
- LDA ACS1® bus  
*Standard UTP cabling*
- Ethernet  
*Standard UTP cabling*



# A CUSTOM-MADE SYSTEM WITH RELIABLE ACCESSORIES



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.



EN 54 certified

## END OF LINE DEVICE TFL-1

EN 54 certified EOL device to test the integrity of 70/100 V speaker lines. Requires return.



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

### 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.



### POWER ADAPTER VCC-64PSK

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

### MICROPHONE A-1

One zone desktop microphone with lighting indicators and microcontroller.



### DIGITAL MATRIX ZES-22

Digital audio processor. Analogic-digital audio converter with 4 balanced inputs/outputs.

EN 54 certified

### EXPANSION KEYBOARD VAP-8K

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



EN 54 certified

### VOICE ALARM PANEL VAP-1

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



### WALL CONTROLLER VCC-64

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



### ACSI BUS ADAPTER ZES-22ACSI

Adaptation unit for digital matrix ZES-22. It is coupled directly to the unit and allows to inject up to 8 MPS-8Z microphones.



### 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.



# LEADING TECHNOLOGY MADE IN SPAIN

For more than 40 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 50 countries to provide them with the customised solutions that they need in AV systems for security and fire protection.

Our specialised 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))

## HEADQUARTERS

Severo Ochoa, 31  
29590 Malaga  
Spain  
Tel. +34 952 028 805  
sales@lda-audiotech.com

## SPAIN

San Rafael 4 B, oficina 28  
28108 Alcobendas, Madrid  
Tel. +34 910 534 750  
lrada@lda-audiotech.com

## GERMANY

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

## COLOMBIA

Carrera 8a #99-55  
Bogota D.C.  
Tel. +57 313 568 8868  
fmocana@lda-audiotech.com

## SAUDI ARABIA

Al Nour Commercial Center.  
7th Floor  
Jeddah  
Tel. +966 53 300 3675  
sufyan@lda-audiotech.com

## QATAR

The Pearl  
Yehya Ali  
Tel. +974 3391 6539  
qatar@lda-audiotech.com

## EGYPT

El Merghany Street. 7th floor,  
Office no 44. Heliopolis, Cairo  
Ahmed Mostafa  
Tel. +20 0111 004 4960  
amostafa@lda-audiotech.com

## IVORY COAST

vtib- Zone franche Bassam  
Claude Kossigan  
Tel. + 225 07 323 152  
kossigan@lda-audiotechci.com

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

