



# NEO

**EN 54 -16**

Certificate No. 0370-CPR-3260

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





## 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.



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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

A decorative wavy line in a light beige color, consisting of several overlapping sine waves, spans horizontally across the middle of the page.

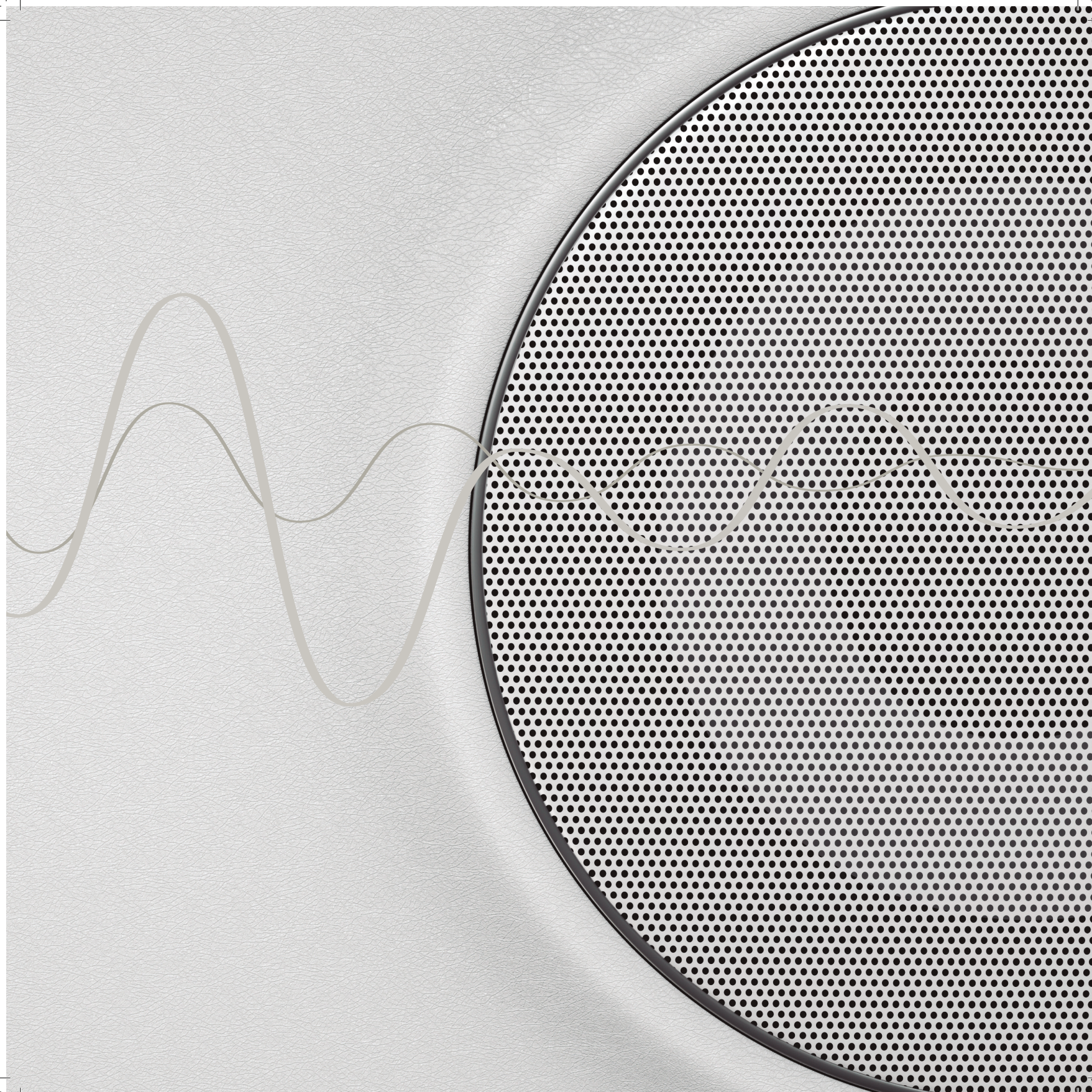
**1** Internationally  
certified

**2** Multizone  
amplification

**3** High  
connectivity

**4** Modular  
and escalable



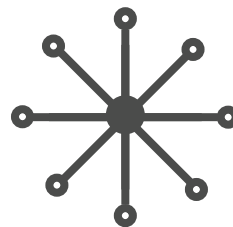






## COMPLYING WITH INTERNATIONAL STANDARDS

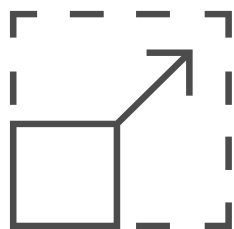
The NEO system guarantees a safe and controlled evacuation since it is designed to comply with the strictest international regulations. The main unit and its extensions adjust to the EN 54-16 standard (certificates 0370-CPR-3260 and 0370-CPR-3261) and the EN 60849 standard. They are complemented with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



## 8 AMPLIFICATION ZONES WITH ONE NEO UNIT

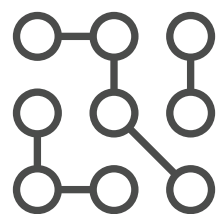
The NEO system includes 8 class D amplifiers for 8 independent audio zones, working from 8 local and 32 remote sources. The user can configure up to 8 120 W channels with line supervision, and use one of them as a back-up. NEO has a built-in dual player with 4 GB storage to record up to 99 messages and/or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





## EXPANDABLE AND SCALABLE TO REACH EVERYWHERE

NEO works with other equipments using standard Ethernet networks and universal protocols such as Cobranet, 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

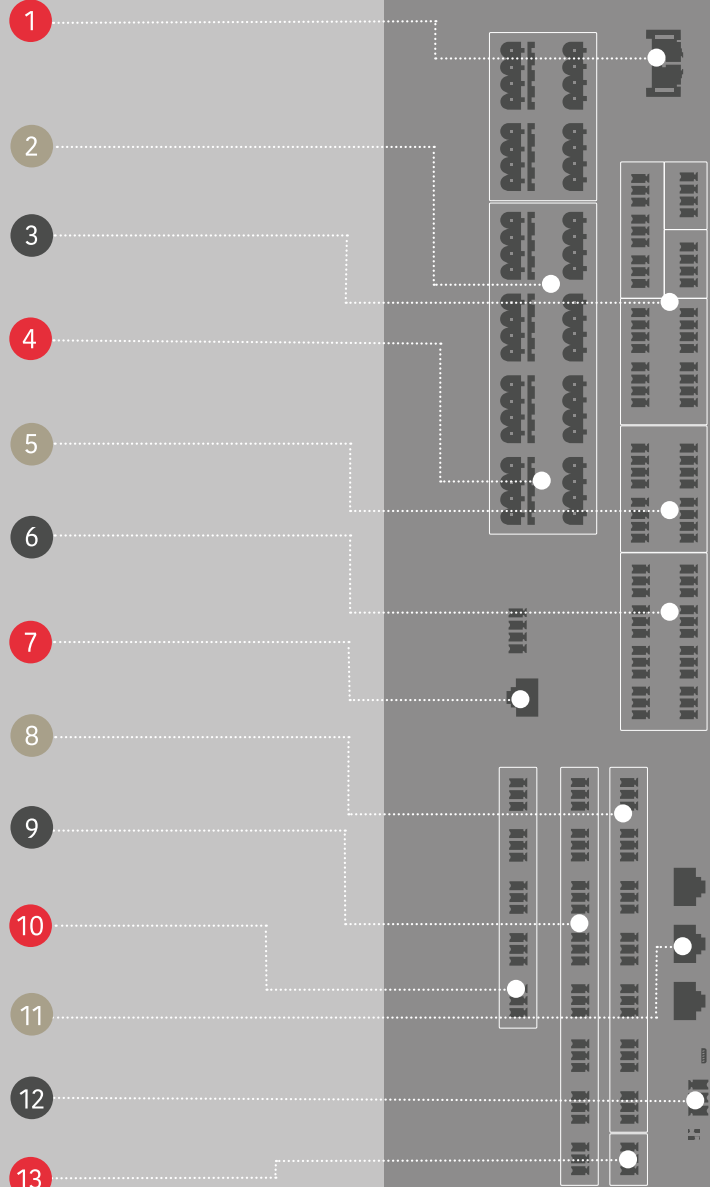
The NEO 40x1024 audio matrix can send audio out to any zone simultaneously. This allows to have different audio for every area, with digital quality provided by the DSP system for filters and parametric equalisation of 7 bands. Thanks to its modular configuration, NEO can reach up to 1024 zones in a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

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



Rear view ►

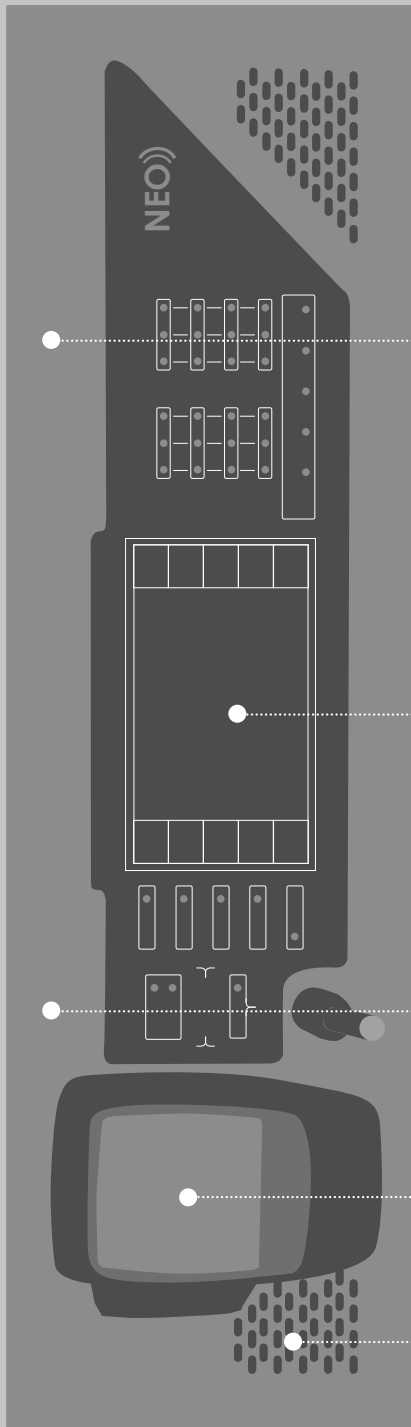
- Backup power input 24 V DC
- 8 Class D amplifiers, each 120 W
- Contact closure interface with fire detection panel
- Line supervision and standby amplifier
- 8 24 V outputs for attenuator control
- 8 EOL device inputs
- Microphone bus and remote panel
- 14 GPIO closures for integration
- 8 pre-amplified audio outputs
- 5 balanced analogue audio inputs
- Triple Ethernet interface
- RS-485 port for integrations
- 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  $\Omega$



NEO Control - PA/VA System

Zones Volume

Volume Up

Volume Down

Mute

Unmute

Zones								
ID	Name	Source	Volume	Mute	DIS	FLT	EMG	Vumeter
0001	Parking	7	-6				✓	-27
0002	Lobby	7	-10				✓	-31
0003	Meeting rooms	1	-12					-19
0004	Manager	5	-16					-55
0005	Offices	5	-8					-50
0006	Living room	3	-20			✓		-100
0007	Gym	1	-5					-14
0008	Toilets	0	-7	✓				-100

Num Zones: 8

Selected Zones: 1

Sources

Route Source

Unroute Source

Routed Zones

Volume Up

Volume Down

Mute

Unmute

ID	Name	Volume	Mute
01	CD/MP3 Player	-5	
02	AM/FM Radio	10	✓
03	BCM	-8	
04	Gym	-15	

Zone Maps

Select All

Unselect All

Planta general

Planta primera



Num Zones: 8

Selected Zones: 1

Events

Send Command

ID	Name
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DIS

FLT

EMG

2018-09-25\_12:31:15\_ Waiting for connection to system at 192.168.3.50 ...

2018-09-25\_12:31:16\_ Connected to system PA/VA System [192.168.3.50]

12



## 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**.



Press on the screen to Log in

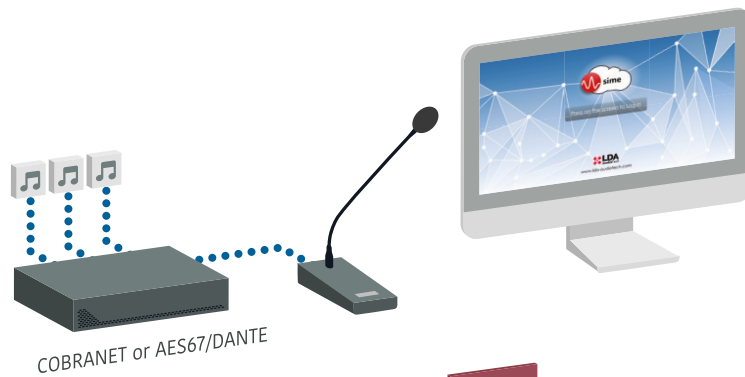


[www.lda-audiotech.com](http://www.lda-audiotech.com)



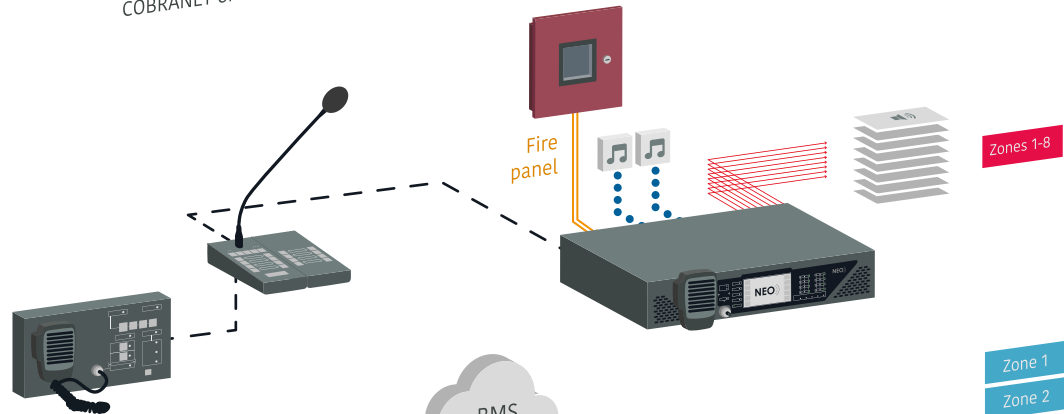


OPERATION LOCATION  
(MAIN AND BACKUP)

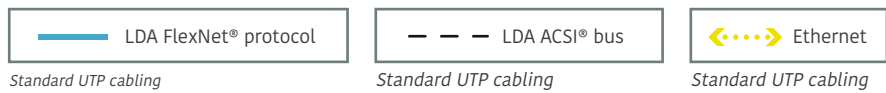
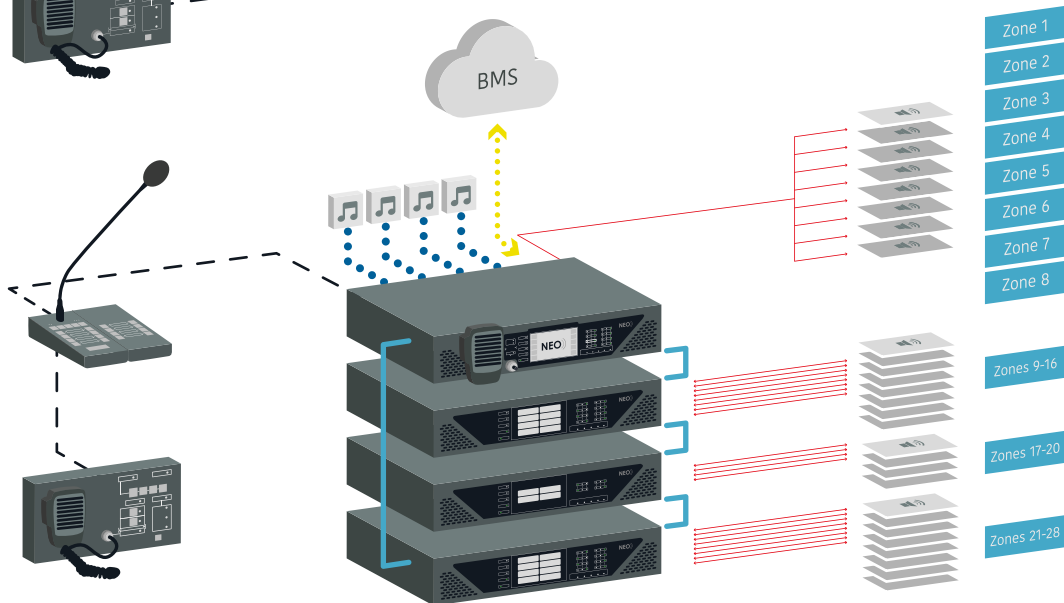


- SIME Control**  
- Central control & monitoring  
**SIME Calendar**  
- Scheduling of pre-recorded messages  
**SIME Modules**  
- Automatic gain control  
- Text-to-speech  
- IP Voice SIP integration

BUILDING 1



BUILDING 2





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.



## MICROPHONE A-1

One zone desktop microphone with lighting indicators and microcontroller.



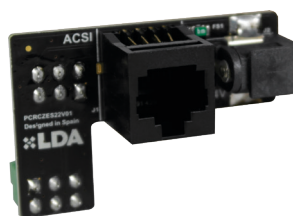
## DIGITAL MATRIX ZES-22

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



## 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.



## POWER ADAPTER VCC-64PSK

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



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## EXPANSION KEYBOARD VAP-8K

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



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## VOICE ALARM PANEL VAP-1

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



## 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))

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