

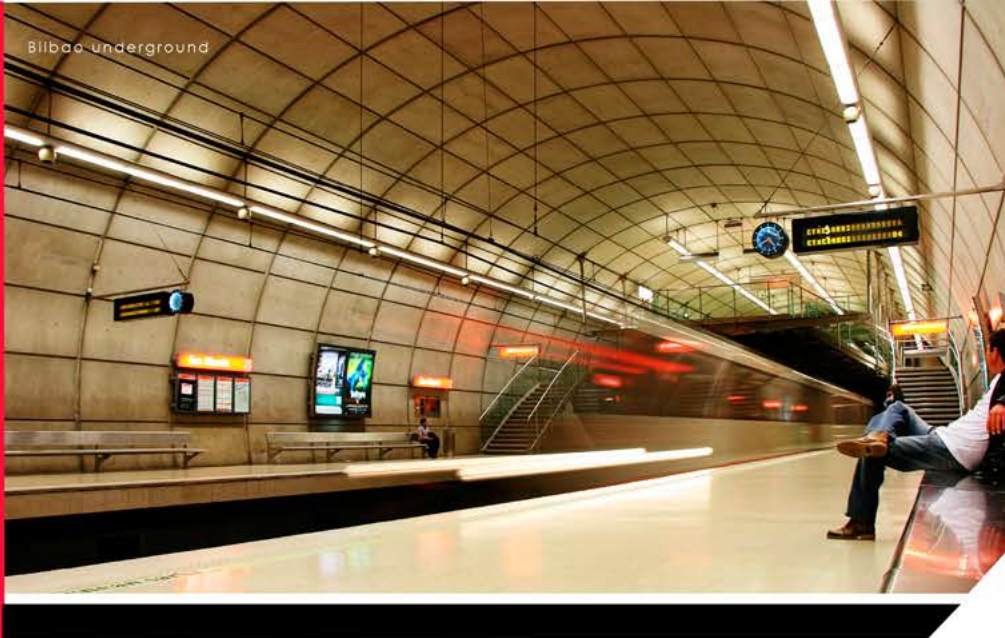


NEO

Compact Public Address and Voice Alarm System

EN 54-16





The new system NEO is especially designed to fulfill the most stringent requirements of the EN 54-16 and the EN 60849 safety standards.

NEO is a state of the art, reliable and robust voice alarm system (VA) that ensures an outstanding performance in the most demanding situations.

Its versatility makes it as well a cost-effective and powerful Public Address (PA) and Background Music System (BGM) suitable for small and medium venues with full scalability to meet the needs of any installation regardless its size.

VOICE ALARM SYSTEM



PUBLIC ADDRESS SYSTEM



BACKGROUND MUSIC SYSTEM

◆ Meets and exceeds the latest safety standards

NEO offers supreme performance and reliability. Created with the most rigorous scheme designs, NEO has specific functions for a complete monitoring of the system, loudspeakers lines and microphones surveillance, backup amplifier automatic switchover, direct management of pre-recorded messages and a front panel with full indicators and manual controls.

Safety above all: In case of emergency evacuation the background music will be automatically switched off per zone to activate priority inputs such as the pre-recorded emergency messages. At the same time, the fireman microphone integrated in the system's front panel or in an outdoor panel, can be rapidly routed to the chosen zones so that authorized personnel could perform a directed evacuation.

EN 54-16

EN 60849

◆ Easy installation, configuration and integration

NEO is made under the plug & play philosophy and works over Ethernet standard networks, using protocols such as CobraNet, TCP/IP and FlexNET without the need for special wiring.

NEO can also be easily integrated with other systems (video and audio intercoms, IP telephony, digital signage systems, etc.) reducing costs, time and efforts.



◆ A more robust system with FlexNET

The FlexNET communication protocol, created exclusively in LDA, represents an improvement in Voice Alarm systems robustness.

With FlexNET every NEO intelligently communicates with the rest of the systems connected to it and no matter what happens, there will always be a NEO in control of the whole VA system.

◆ Easily scalable

NEO is suitable for any installation size, whether is a small local system or a big complex multi-zone system.

Thanks to its unique modular design, limitations from outdated systems are over, because with NEO, we can have unlimited inputs and unlimited

◆ Real zone differentiation

NEO offers a real differentiation of zones, allowing audio to be distributed in a personalized and optimized way to each area. In this manner, background music, commercial messages, warnings or any other desired input will reach just the right zones, without disturbing the others.

City of Arts and Science (Valencia)



Museo del Prado (Madrid)



Magic Box Sport Centre (Madrid)



Seville Underground

◆ Guaranteed professional audio quality and intelligibility

NEO is at the same time, a professional audio system with an integrated DSP and 24 bits digital audio output per channel, assuring audio quality in any zone.

NEO also incorporates the LDA Dynamic Sound Adjust technology which allows a dynamic volume adjustment in order to always have an intelligible and clear sound.

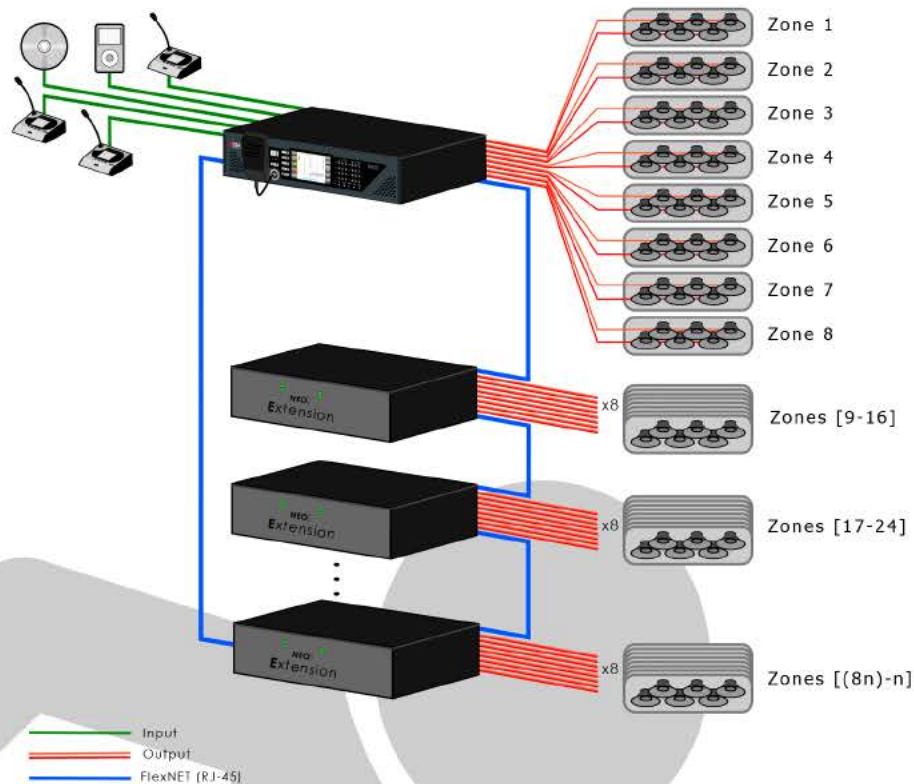
Bilbao Underground



For example: In a train station where there is a high noise level, the message will always be heard with a few dB over the ambient noise, without being too loud or too weak.

Moreover, if a message is broadcasted just when the train arrives, and the system detects that the message could not have been intelligible, the message will be repeated automatically after a few seconds.

System Example



The system NEO 8060 offers 5 input sources and 8 duplicated outputs to ensure line redundancy (8 output channels x 120W of max power on 100V or 70V lines).

An easy scalability of the solution is achieved by NEO Extension amplifiers, which allow flexibility to increase the number of output channels (amplified independent zones) to fulfill the needs of any installation. Since NEO architecture allows each input source to be directly routed to one or several desired outputs, we have real and independent amplified zones.

NEO can work independently, just with NEO systems and NEO Extension systems connected in cascade with FlexNET technology, for installations that require many zones with medium or low amplification power for each zone; or totally integrated with LDA SIME and SONORA through an Ethernet network, for installations that have the need of even more powerful amplification zones.



◆ Management, control and monitoring in the cloud

NEO can include the user-friendly IT platform SIME, to easily manage, monitor and control the full system and its components remotely (using a tablet, smartphone or PC). With SIME, anybody with the appropriate access level can operate the whole system in an intuitive way.

Among its many features, SIME offers scheduling of automatic messages, allowing announcements to be heard always at the right time and place.



◆ Made with the quality and reliability of LDA Audio Tech

Our commitment to cutting-edge technologies, makes innovation an essential part of our products. We care about quality and innovation, to such a degree that our vast R&D team exclusively designs every single component, from the printed circuit boards to the software, and our Quality Assurance team controls the whole production cycle to always offer a level of quality and reliability not found anywhere else.



Madrid Barajas Airport



LDA Audio Tech is a leader firm in professional audio solutions and has more than 35 years of experience offering innovation, quality and trust to partners and clients from all around the world.

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