

NEXO

NEXO is an AES67 network audio converter that allows sending and receiving 2 channels of audio over IP networks at level 3.

This device is integrated in the LDA EN54 family of accessories for voice alarm and public address systems. It has 2 bidirectional ACSI ports, 1 of them with redundant capacity, allowing the connection of up to 64 additional devices per unit through the ACSI v2 protocol, compatible with any LDA system, such as NEO+.



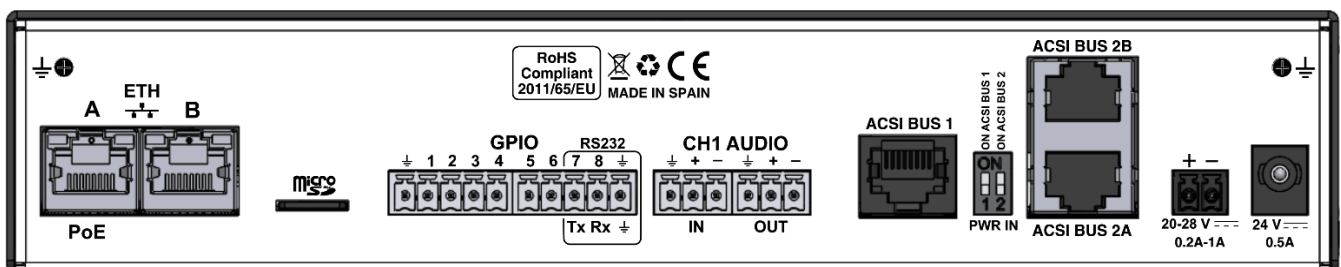
Ethernet communication is via LDA ACSI Net protocol. The new ACSINet protocol allows 16 simultaneous microphone lines. In a NEO+ System with a NEO8060+ controller, 63 extension and 16 NEXO IP Audio interfaces up to 2048 paging microphones (MPS8Z, MPS8Z+, VAP-1 fire panel or VAP1-FES fire brigade panel) can be used which are networked which each other at the same time maintain the EN 54 certification.

With a compact and versatile design, NEXO is perfectly suited for rack or desktop installations.

General features:

- AES67 high quality IP audio transmission and reception 48kHz 1ms
- ACSI v2 protocol with the capability to connect up to 32 devices on the bus
- Integrated DSP 2x2 audio channels
- ACSI Net audio channel encryption
- Analog audio input
- RS232 Interface
- 8 GPIO contacts
- LED system status indicators (Power, Fault, Failure and Emergency)
- Compatible with all LDA System

Rear view



Technical specification:

Modell	NEXO
Power Supply	100 - 240V ~ Adapter to 24VDC/0.5A included
Input EN54-4	20-28 VDC / 0,2-1A for EN54-4 charger. Euroblock 2p
Power Consumption	5W typical. Maximum 15W (ACSI Devices)
Frequency Response	20Hz-20kHz +/-0.05dB
Signal to Noise Ratio	SNR > 93dB
Distortion factor	<0.05%
DSP	Matrix 2 x 2 48kHz, 28bits - 50 MIPS
Phantom Power	24VDC input CH1
Ethernet	2 x 100Mbps/s female RJ-45 Ethernet ports with loop function. Port A with PoE PD 12W IEEE802.3at
MicroSD	1 x microSD reader
General Control (GPIO)	8 x Control I/O, 0 - 5Vdc 100Ω / RS-232 "2 GPIO minus". Euroblock 5p
Audio IP	AES67, 1ms, 48kHz, 24bits
Audio IN/OUT	1 x 1 10kΩ input / 100Ω output - 1 Vrms balanced audio. Euroblock 3p
LDA BUS ACSI	2 x ACSI ports, 1 with redundant 10kΩ capability, RJ-45 female, total 1000m / 3280.84ft
Switch	2 x power input switch to ACSI bus, one per ACSI port
USB	1 x product maintenance
Indicators	State: Power on, Fault, Failure, Emergency and USB detection
Buttons	1 x reset, 1 x function
Dimensions (W X H X D)	220.9 x 42.7 x 121.2mm / 86.96" x 16.81" x 47.71"
Operating Conditions	-5 °C to +45 °C / 23°F to 113°F 5% to 95% Relative humidity (No condensation)
Finish	Top: Material Fe - Colour Grey RAL 7016 Base: Material Al - Colour natural
Weight	0,75kg

Rev. 1.1 (240703CB)