

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 32 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. This enables NEXO to expand ACSI v2 devices up to 4096 units, such as microphones and emergency panels, by networking them, while maintaining EN 54 certification.

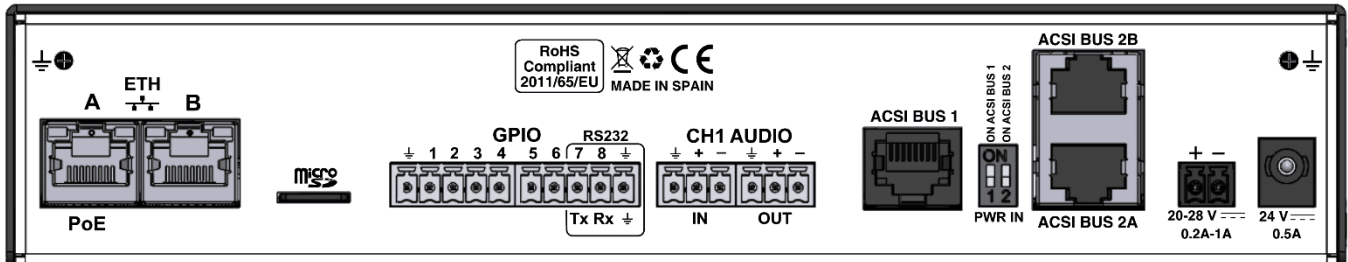
With a compact and versatile design, NEXO is perfectly suited for rack or desktop installations.



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
- LED system status indicators (Power, Fault, Failure and Emergency)
- Compatible with all LDA Systems

Rear view:



Technical Specifications:

MODEL	NEXO
Reference	LDANEXOS02
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 IEE802.3at
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 121.2 mm / 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	0,75 kg