NEO 8060

LDA NEO 8060 is a compact EN 54-16 certified PA/VA system that ensures a ensures a fast, safe and controlled emergency evacuation.

NEO represents a cost-effective voice evacuation and public address system due to its cutting-edge features, excellent audio quality and flexibility in just 2U: 8 class D amlifiers, 5 audio inputs, 7x8 audio matrix (39x1024 digital), touch screen, Cobranet audio, etc.

With the NEO-Configurator software (included), it is possible to configure the equipment remotely and create events to perform actions in the system triggered by conditions of: input level, date&time, UDP command, a GPIO or button from MPS microphone.
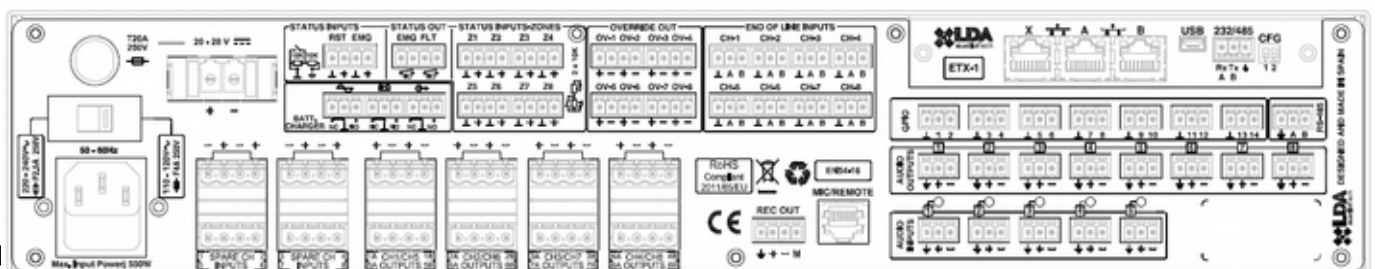
General features:

- 5 audio inputs.
- 8 class D amplifiers for 100V/70V lines, with 120W per channel.

- Audio Matrix 7x8 (digital up to 39x2014).
- 8 pre-amp outputs for external PA amplifiers connection.

- Up to 8 multi-zone microphones MPS-8Z or VAP-1 panels connected with CAT5 UTP cable.

- DSP: 7-band input/output Parametric Equalizer, loudness, LDA sound enhancer, independent volume control per each I/0 channel and audio filters.
- Triple Ethernet port: for Digital Audio Cobranet, remote control and supervision, and for escalating the system with NEO-Extensions in daisy-chain mode with Flexnet techlogy (up to 1024 zones).

- 4,3" Frontal touch screen with access control.
- 4GB of internal memory for pre-recorded messages.
- Integrated emergency microphone.
- Control for up to 32 attenuators LDA AT6.
- Integrated frontal loudspeaker for monitoring.
- 22 GPIO ports (8 supervised for integration with Fire Alarm Control Panel).

Voice Alarm/Emergency Features:

- Certified with EN 54-16 and EN 60849.
- Detection and indication of failure in all emergency functions.
- Integration with Fire Alarm Control Panels.
- Pre-recorded evacuation messages.
- Phased evacuation.
- Manual control of emergency states with access control.
- Recording output in emergency state.
- Emergency Log.
- Loudspeaker line supervision.
- A+B connection (16 lines).
- Back up amplifier conection: 7+1 (120W channels).

Rear View

NEO 8060

Technical Specifications:

Model	LDANEO8060S02
Power supply	115 / 230V~ 50/60Hz
Power consumption	550W max / 100W at 1/8 output power
Frequency response	20 - 20.000Hz +/-1dB
Signal to noise ratio	R>98dB, A-weighted
Distorsion factor	<0,05%
Gain adjustment per channel	-100dB -0dB, 1dB steps
DSP	Integrated. 48 kHz, 24 bits - 344 MIPS
FlexNet/ Cobranet	2 x FlexNet Redundant (automatic switching)/ Cobranet,Ethernet10/100Mbits. Female RJ-45
Audio Inputs	5 x Balanced audio 1Vp, 0,707Vrms. 10 KΩ, 3Pin, Euroblock Type
LDA ACSI Bus	1 x Balanced audio 1Vp, 0,707Vrms. 10 KΩ, Female RJ-45, Total 800m. / 2624,7ft
Pre-amp Audio Outputs	8 x Balanced audio 1Vp, 0,707Vrms. 100 Ω, 3Pin, Euroblock Type
Rec. Audio / Ctrl. Outputs	1 x Balanced audio, 1Vp, 0,707Vrms. 100 Ω / 0 - 5V DC output 100 Ω, 4Pin, Euroblock Type
ATT Control	8 x Override 24V DC, 8 x 40mA, 2 Pin, Euroblock Type (4 pin connector)
Emergency Control Inputs	10 x 0 - 5V DC, Monitored inputs, 2 Pin, Euroblock Type (4 pin connector)
Emergency Control Outputs	2 x Relay contact Isolated Output, NO, Max 60V DC 130mA, 2 Pin Euroblock Type (4 pin connector)
General control (GPIO)	14 x Control I/O, 0 - 5 V, 100 Ω, 3Pin, Euroblock Type
Virtual matrix	32 x 1024
Amplifier	8 x 120W Class D, 60Wrms x 8 @ 70 / 100V. Min load 166 Ω
Speaker Outputs	16 (8 dual managed lines) x 70 /100V. 2 Pin, Euroblock Type (4 pin connector)
Speaker Loop Input	16 (8 dual) x No Voltage Contact, 3 Pin, Euroblock Type.
Spare Amplifier Inputs	8 x 60Wrms at 70 or 100V, 2 Pin, Euroblock Type (4 pin connector)
Protection	Over-temperature, DC, infrasonic, short circuit, slow start-up, overload. Start-up test.
Emergency Power Input	1 x 20 - 25V DC, 20A, Fused, 2 Pin, Euroblock Type.
Emergency Power Status Inputs	3 x NO - NC, 3 Pin, Euroblock Type
Display	TFT 480x272 4,3" with Touch Panel
Operating Condition	-5 ºC to +45 ºC / 23 ºF to 113 ºF 5% to 95% Relative humidity (No condensation)
Finish	Front: Fe, Grey RAL 7016 Back: Fe, Black RAL 9005 Case: Al, Black RAL 9005
Weight	13,5 Kg / 29.76 lb
Dimensions (W x H x D)	483mm x 88mm x 455mm / 19"x 3,46" x 18"
Accessory	2 x Rack mounting, Male Euroblock connectors, installation screws, 4 x Rubber foot, 1 x Power cable 2m / 6,56ft (EU Type), 1 x Ethernet Cable 2m / 6,56ft.