LDA NEO8060+ 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 amplifiers, 5 audio inputs, 8x8 audio matrix (40x1024 digital), touch screen, AES67 audio, etc.
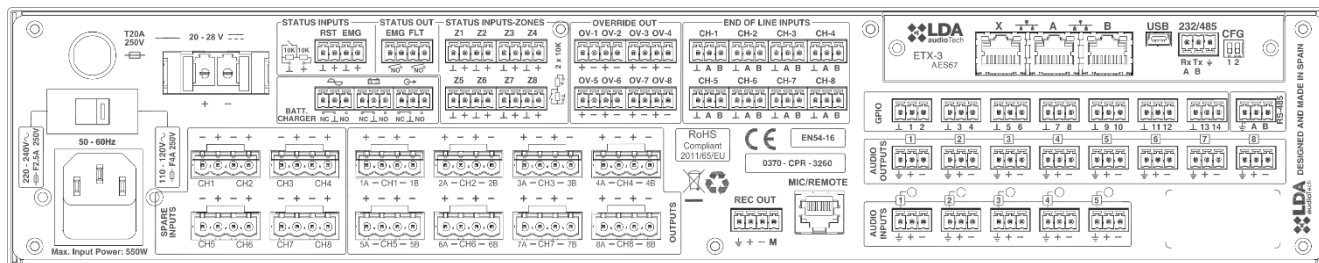
With the NEO-Configurator software (included), it is possible to configure the equipment remotely and create events to perform actions in the system triggered by conditions of: input level, UDP command, a GPIO or button from MPS-8Z and MPS-8Z+.

General features:

• Redundant controller

• 5 audio inputs.

• 8 class D amplifiers with two configurations for 100V/70V lines: 8 class D amplifiers of 120W (60Wrms) per channel.

• Audio Matrix 8x8 (digital up to 40x2014).

• 8 pre-amp outputs for external PA amplifiers connection.

• ACSI port:
    • Up to 32 ACSI MPS-8Z or VAP-1 or fire brigate panels VAP1-FES devices connected with CAT5 UTP cable.

• ACSI Net:
    • Up to 128 ACSI Net devices
    • 32x128 (up to 4096 ACSI v2 devices)
    • Up to 16 simultaneous channels

• DSP: 7-band parametric input/output equalizer, loudness, LDA sound enhancer, independent volume controls per each input and output channel and audio filters.

• Triple configurable Ethernet port: FlexNet technology integrating IP Layer 3 AES67 Digital Audio, remote control and supervision, scaling the system with NEO Extensions in loop mode (up to 1024 zones and 128 devices).

• Up to 32 multi-zone microphones connected with CAT5 UTP cable.

• 4,3" Frontal touch screen with access control.

• 4GB of internal memory for pre-recorded messages.

• Integrated emergency microphone.

• Integrated frontal loudspeaker for monitoring.

• 14 GPIO ports; 8 overrides

• Supervised Input contacts EMG, RST and 8 programmable contacts for integration with Fire Alarm Systems.

GRÄF & MEYER GMBH | RINGSTR. 1 | 66459 KIRKEL | GERMANY | T +49 6841 93493 - 0
INFO@GPLUSM.DE | WWW.GPLUSM.DE | WWW.LDA-AUDIOTECH.DE

PAGE 1/3

Rear View

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).
- Integraded spare amplifier-management - Back up amplifier connection: 7+1 (120W channels).

Technical specifications:

Model	NEO8060+
Power supply	110-120V / 220-240V~ 50/60 Hz
Power consumption	550 W max / 100 W at 1/8 output power
Frequency response	20 – 20.000 Hz +/-2 dB (70 – 20.000 Hz high-pass filter 70Hz)
Signal to noise ratio	>98 dB TYP, A-weighted
Distortion factor	<0,5% TYP -10dBv
Gain adjustment per channel	-100 dB -0 dB, 1 dB steps
DSP	Integrated. 48 kHz, 24 bits - 344 MIPS
Flexnet/ AES67	2 x FlexNet redundant (loop mode)/ Ethernet 10/100 Mbits. Female RJ-45
Audio inputs	5 x balanced audio 1 Vrms. 10 KΩ, 3 Pin, Euroblock type
LDA ACSI BUS	1 x balanced audio 1 Vrms. 10 KΩ, Female RJ-45, max distance 1000m / 3280,8ft @20~28V DC <400mA
Pre-amp audio outputs	8 x balanced audio 1 Vrms. 100 Ω, 3 Pin, Euroblock type
Rec. Audio / ctrl. Outputs	1 x balanced audio, 1 Vrms. 100 Ω / 0 – 5 VDC output 100 Ω, 4 Pin, Euroblock type
ATT control	8 x override 24 VDC, 8 x 40 mA, 2 Pin, Euroblock type (4 pin connector)
Emergency control inputs	10 x 0 – 5 VDC, monitored inputs, 2 Pin, Euroblock type (4 pin connector)
Emergency control outputs	2 x relay contact isolated output, NO, max 60 VDC 130 mA, 2 Pin Euroblock type (4 pin connector)
General control (GPIO)	14 x Control I/O, 0 - 5 V, 100 Ω, 3 Pin, Euroblock type

Virtual matrix	128 mics x 1024 zones
Amplifier	8 x 120W class D (60Wrms) 100/70 V. Min load 166 Ω/channel. Max load 840 W
Speaker outputs	16 (8 A+B class A configurable lines) x 70/100 V. 2 Pin, Euroblock type (4 pin connector)
Speaker loop input	16 (8 dual) x no voltage contact, 3 Pin, Euroblock type, for line fault detection, Isolators
Spare amplifier inputs	8 x 120 W at 70 or 100 V, 2 Pin, Euroblock Type (4 pin connector)
Protection	Over-temperature, 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)	483 mm x 88 mm x 455 mm / 19" x 3.46" x 18"
Accessory	2 x rack mounting, male Euroblock connectors, installation screws, 4 x rubber foot, 1 x power cable 2 m / 6.56 ft (EU Type), 1 x Ethernet cable 2 m / 6.56 ft

Rev. 1.0 (250527CB)

GRÄF & MEYER GMBH | RINGSTR. 1 | 66459 KIRKEL | GERMANY | T +49 6841 93493 - 0
INFO@GPLUSM.DE | WWW.GPLUSM.DE | WWW.LDA-AUDIOTECH.DE

PAGE 3/3