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MALAGA HEADQUARTERS

Severo Ochoa, 31
29590 Malaga
Spain
Tel. +34 952 028 805
info@lda-audiotech.com

MADRID BRANCH OFFICE

San Rafael, 4
Oficina 37 (planta 3)
28108 Alcobendas, Madrid
Tel. +34 910 534 750
sales@lda-audiotech.com

www.lda-audiotech.com/en

one

THE MOST COMPACT AND COST-EFFECTIVE IN THE MARKET

ONE is a complete EN 54-16 certified public address, background music and voice alarm system that includes an integrated EN 54-4 battery charger in the same device.

ONE has an innovative Wall & Rack design that allows it to be mounted on both the wall and the rack, according to the needs of each project. It is specifically designed for small and medium installations.

ONE System is very easy to install and configure thanks to the Autosetup Function, saving both time and costs.

- EN 54-16, EN 54-4 and EN-60849 compliant.
- Built-in battery charger included.
- Very easy to install and configure (with autosetup function, wall or rack).
- 500 W*, 2 amplifiers, 6 zones and 6 audio sources.

*500 W according to EN 60065, equivalent to 200 Wrms

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ZONE 1
ZONE 2
ZONE 3
ZONE 4
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ZONE 6
OVERRIDE OUTPUTS
PRE-AMP OUTPUTS
ACSI IN
LINK OUT
STATUS OUTPUTS
CIE INPUT ZONES
CIE INPUT GENERAL
AUDIO IN
FUNCTION BUTTON
OPERATION LED
AMP 1
AMP 2
PROG
FRONT
CAUTION
• AVOID SHORTING TERMINALS.
• DO NOT CHARGE IN A GAS TIGHT CONTAINER.
NON-SPILLABLE
DESIGNED FOR STANDBY USE
LDA audioTech
SYS
FLT
EMG
PWR
BCK
RST
one

ONE-500

Main unit inside

1. 6 outputs/zones. Digital 6x6 audio matrix, expandable.
2. 2 class D amplifiers with two configurations for 100/70 V lines up to 500 W (total maximum*). Backup amplifier included.
3. EN 54-4 battery charger and 12 V 17 Ah battery (30 h standby + 30’ evac).
4. 3 audio inputs (BGM or mic) + 1 mixer. Noise gate and contact closure for control.
5. Paging station input up to 8 MPS-8Z multizone microphones or VAP-1 voice alarm panel.
6. Dual message player for pre-recorded messages EVAC + ALERT. Phased evacuation. 10 minutes storage for pre-recorded messages.
7. LCD display and control (access control).
8. Wall & Rack design, easy to install. Plug & Set mode for EN 54 PA/VA.
9. 8+2 GPIO ports (supervised for integration with Fire Alarm Control Panel).
10. Attenuators control.
11. 4 pre-amp outputs for external PA amplifiers connection.
12. DSP: 3/7-band input/output parametric equalizer, loudness, LDA sound enhancer, independent volume control per each input and master volume for outputs.
13. Loudspeaker lines supervision. Line terminator without return for supervision.
14. Failure detection and indication in all emergency functions. USB backup/ restore and emergency log.
15. Designed and made in Spain by LDA AUDIO TECH.

**500 W according to EN 60065, equivalent to 200 Wrms*

ONE STAND ALONE UNIT

EN 54-16
EN 54-4

– – – – LDA ACSI® paging station bus (UTP cable)	Speakers line 100V	• • • • • • • Analogue audio	Fire alarm local zones and Fire alarm general / reset

Connection for up to 10 equipment with double communication link. Up to 60 zones and speaker lines.

ONE EXPANDABLE SYSTEM

EN 54-16
EN 54-4

- - - - LDA ACSI® paging station bus (UTP cable)	UTP Cable	• • • • • • • Analogue audio	Fire alarm local zones and Fire alarm general / reset

Connection for up to 10 equipment with double communication link. Up to 60 zones and speaker lines. EVAC and ALERT local messages + Autonomous emergency power supply for each ONE unit.

General audio source · Local audio source (background music) · Local audio source with priority · General paging stations and voice alarm panel

ADVANCED FUNCTIONS WITH **ONE ACCESSORIES**

The ONE system offers to any installation, however small, all the power and flexibility of a high-performance centralized public address, background music and voice evacuation system.

EN 54 certified

BATTERY CHARGER CARD ONE-BC1

- EN 54 certified battery charger.
- For ONE-500.
- Format: license activation and update card.
- Once activated, the card becomes a key for the charger to work permanently.

WALL MOUNTING ONE-WMA

- Wall mounting kit.
- Made of high strength galvanized steel.
- Quick installation, assembly and disassembly of the ONE-500 unit.
- Includes accessories and installation hardware.

RACK MOUNTING ONE-RMA

- Rack mounting kit in 3U 19” rack cabinet.
- Allows quick installation, assembly and disassembly of the ONE-500 unit.
- Includes accessories and installation hardware.

RACK FIXED MOUNTING KIT ONE-RMA2

- Mounting kit in 2U 19” rack cabinet.
- Solid fixing base for the ONE-500 unit.
- Colour: Fe, grey RAL 7016.
- Includes accessories and installation hardware.

PUSH-TO-TALK MICROPHONE ONE-PTT

- Handheld microphone.
- Can be connected to the priority audio input.
- Powered from the ONE unit's USB port.
- Easy to install and use.

COMMUNICATION MODULES ONE-LOOP

- Add an extra communication port.
- ONE-LOOP04: up to 4 ONE units or 24 zones.
- ONE-LOOP10: up to 10 ONE units or 60 zones.
- LOOP redundant communication.
- System control and monitoring.
- Easy to install.

BATTERY EQ-246113

- 12 V and 17 Ah lead-acid battery.
- For ONE-BC1 battery charger.
- More than 30 h in standby and 30' in evacuation mode.
- Can be installed in any position except with the terminals facing down.

NEO

EXTENSION

EN 54 -16

Certificate No 0370-CPR-3260

A RELIABLE AND ROBUST SYSTEM

NEO

COMPACT SOLUTION FOR DEMANDING FACILITIES

NEO is an **EN 54-16 certified** public address (PA) and voice evacuation system designed for medium and large venues.

It is an **all-in-one compact system** with **plug-and-play** connections that reduces costs and saves time by facilitating all installation, maintenance and operating procedures in any building.

A single unit covers **up to 8 separate amplification areas**, it has configurable events and uses **Ethernet, Cobranet and Flexnet protocols** to send and receive audio from the data network without special cabling.

Rear view
AC power input 110/230 V 1
Backup power input 24 V DC 2
8 Class D amplifiers, each 120 W 3
Contact closure interface with fire detection panel 4
Line supervision and standby amplifier 5
8 24 V outputs for attenuator control 6
Microphone bus and remote panel 7
14 GPIO closures for integration 8
8 pre-amplified audio outputs 9
5 balanced analogue audio inputs 10
Triple Ethernet interface 11
RS-485 port for integrations 12
RS-485 interface with fire detection panel 13

Front view

NEO-8060

Master controller

14 Dual player for pre-recorded messages (13 hours / 99 messages / up to 10 minutes per message)

15 4.3” colour, touch-screen display

16 Built-in 7-band DSP for each input and output.

17 Digital audio matrix (40 inputs and up to 1024 zones)

18 Supervised emergency microphone

19 Monitor speaker

NEO-8060 FEATURES

1 AC POWER INPUT 110/230 V

Dual power input, additional to the mandatory 24 V power input.

2 BACKUP POWER INPUT 24 V

Connection with EN 54-4 certified battery charger.

3 8 CLASS D AMPLIFIERS 120 W

Controls up to 8 zones simultaneously with 8 x 120 W @100 V settings. Each amplifier has A+B lines to increase redundancy.

4 CONTACT CLOSURE INTERFACE WITH FIRE DETECTION PANEL

It has 12 supervised interfaces: input, output and zone.

5 LINE SUPERVISION AND STANDBY AMPLIFIER

DC, AC and ground leak through impedance (end-of-line device TFL-2). Possibility of enabling an amplifier as a backup.

6 8 24 V OUTPUTS FOR ATTENUATOR CONTROL

Automatic deactivation up to 32 volume attenuators via 8 24 V outputs and sending of priority signals.

7 MICROPHONE BUS AND REMOTE PANEL

Up to 8 remote devices on ACSI bus, both microphones and emergency panels.

8 14 GPIO CLOSURES FOR INTEGRATION

Contact closures can be configured as inputs or outputs for integration with third-party systems. Fully programmable using the events manager.

9 8 PRE-AMPLIFIED AUDIO OUTPUTS

To connect external pubic address amplifiers or other audio devices.

10 5 BALANCED ANALOGUE AUDIO INPUTS

Balanced audio inputs for BGM or LDA A1 single-zone microphones.

11 TRIPLE ETHERNET INTERFACE

Cobranet digital audio with up to 32 additional inputs, remote control, UDP and redundant connection of extensions.

12 RS-485 PORT FOR INTEGRATIONS

Sending and receiving of advanced commands for integrations by RS-485.

13 INTERFACE BY RS-485 WITH FIRE DETECTION PANEL

Exclusive port for advanced integrations with fire detection panels.

14 DUAL PLAYER OF PRE-RECORDED MESSAGES

Internal memory for audio (13 hours or 99 messages, up to 10' per message), with simultaneous execution, both manual and automatic.

15 4.3" COLOUR, TOUCH-SCREEN DISPLAY

Quick and intuitive access to the NEO system main functions.

16 BUILT-IN 7-BAND DSP FOR EACH INPUT AND OUTPUT

7-band input/output parametric equalizer, loudness, LDA sound enhancer, independent volume controls by input and output channel and parametric audio filters.

17 DIGITAL AUDIO MATRIX

Simultaneous and independent routing of any input to any output (zones) thanks to the digital matrix of 40 inputs and up to 1024 zones.

18 SUPERVISED EMERGENCY MICROPHONE

Push-to-talk (PTT) system supervised with integrated output recording.

19 MONITOR SPEAKER

To supervise any stored pre recorded messages, input or audio output.

Certificate Nº 0370-CPR-3260

OTHER FEATURES NEO-8060

· EASY INTEGRATION WITH THIRD-PARTY TECHNOLOGIES THROUGH SOFTWARE

NEO easily integrates with other devices by Ethernet commands (UDP), RS-485 serial port or GPIO contact closure thanks to the NEO Configurator software.

· ADVANCED EVENTS MANAGEMENT

With the NEO Configurator software you can create events, save them and perform different actions: programming by date and time, volume control by areas, playback by pressing the mic button, etc.

· AUDIO OVER ETHERNET

NEO sends and receives audio over Ethernet with optimal quality (48 Khz, 24 bits) and with up to 32 different inputs simultaneously.

· TOP QUALITY SOUND

Filters and parametric equalisation of 7 bands for audio inputs and outputs with digital signal processing (DSP) technology.

· SUPERVISION OF LOUDSPEAKER LINE

The NEO system continuously supervises the loudspeaker line status from its amplifiers. In order to do that, we recommend using the TFL-2 end-of-line device (impedance supervision, wihout return).

NEO
EXTENSION

EN 54 -16

Certificate Nº 0370-CPR-3260

WE REACH WHEREVER YOU NEED US TO

The LDA Audio Tech NEO system can be expanded with NEO Extension units to reach up to 1024 amplification zones with a single system. So we have more power and a versatile system that adapts to any configuration.
Simple, fast and cost-effective: a single UTP cable transmits data and audio signals and allows to connect up to 127 expansion units in one redundant ring.

NEO
EXTENSION

EN 54-16

Certificate Nº 0370-CPR-3260

TECHNICAL FEATURES OF THE NEO EXTENSION RANGE

- **Class D amplifiers for 100 V lines.**
- **Pre-amplified audio outputs** for external PA.
- **DSP, 7-band** input/output **parametric equaliser, loudness, LDA sound enhancer, independent volume control** per each input/output channel and parametric audio filters.
- **Triple Ethernet port** for Cobranet digital audio, remote control and scaling up to 1024 zones in ring mode.
- **Control for attenuators.**
- **Supervised contact closures** for integration with central fire alarm panel.

NEO EXTENSION 4250

4 channels. 500 W max. Total max.: 1000 W

- EN 54-16 Certification.
- Class D amplifiers for 100 V lines.
- Flexible power.
- 4 pre-amplified audio outputs.
- Up to 16 LDA AT6 attenuators.
- 4 contact closures zone (+1 general/reset) for integration with fire alarm control panel.

NEO EXTENSION 8250

8 x 250 W

- EN 54-16 Certification.
- 8 x 250 W class D amplifiers for 100 V lines.
- 8 pre-amplified audio outputs.
- Up to 32 LDA AT6 attenuators.
- 8 contact closures zone (+1 general/reset) for integration with fire alarm control panel.

NEO EXTENSION 4500

4 channels. 1000 W max. Total max.: 2000 W

- EN 54-16 Certification.
- Class D amplifiers for 100 V lines.
- Flexible power.
- 4 pre-amplified audio outputs.
- Up to 16 LDA AT6 attenuators.
- 4 contact closures zone (+1 general/reset) for integration with fire alarm control panel.

NEO EXTENSION 4500L

4 x 500 W @4 Ω

- EN 54-16 Certification.
- 4 x 500 W class D amplifiers for 4 Ω low impedance lines.
- 4 pre-amplified audio outputs.
- 4 analogue audio inputs.
- Up to 16 LDA AT6 attenuators.
- 4 contact closures zone (+1 general/reset) for integration with fire alarm control panel.

EASY AND HASSLE-FREE CONNECTIONS FOR ANY INSTALLATION

The NEO system by LDA Audio Tech is designed specifically for installers, engineers and integrators working on complex projects.

NEO easily and simply interacts with other third-party systems and technologies thanks to its connections, ports, triggers and native software.

NEO can be adapted to virtually any installation without additional wiring and allows for a remote centralised control.

BASIC INTEGRATION

Based on events and managed via software from the NEO Configurator.

The NEO system offers:

- Emergency contact closures (1 per zone and 4 for general use).
- 16 input/output GPIO contact closures.
- 24 V output contact closure (1 per zone).
- 2 485 serial ports.
- 1 Ethernet port.
- Other triggers: equipment status, date, time, etc.

ADVANCED INTEGRATION

At low-level, the integration of NEO is based on communication through dynamic link libraries (DLL).

It is very effective and allows systems and devices to communicate without unwanted interference during the transmission of data.

LDA supplies a low-level communication interface for the most demanding projects and applications.

NEO ACCESSORIES FOR A COMPREHENSIVE SYSTEM

The reliability of a good system depends on each component. That's why at LDA Audio Tech we focus on each and every accessory that makes NEO an authentic PA and voice evacuation center with high functionality and maximum flexibility.

ANALOGIC-DIGITAL COBRANET CONVERTER

ZES-22

- Digital audio processor, 4 inputs/outputs.
- Configurable 2x2 / 1x3 / 3x1 / 0x4 / 4x0.
- Audio via Cobranet (48 KhZ, 24 bits).
- High performance DSP.
- Adjustable sensitivity +20 dB / -10 dB.
- Phantom supply.

ACSI BUS ADAPTER

ZES-22ACSI

- Adaptation unit for digital matrix ZES-22.
- Directly coupled to the ZES-22 unit.
- Allows to connect up to 8 MPS-8Z microphones.
- Protection against short-circuit and wrong polarity.
- Server with SIME software needed.

EN 54 certified

BATTERY CHARGER EQ-241976

- EN 54-4 battery charger.
- Backup and auxiliar power supply.
- 2 x 480 W outputs, total maximum 960 W.
- Supports 1 NEO-8060 unit.

EN 54 certified

BATTERY CHARGER EQ-241977

- EN 54-4 battery charger.
- Backup and auxiliar power supply.
- 6 x 960 W outputs, total maximum 3600 W.
- Supports up to 3 NEO Extension units.

BATTERY EQ-241978

- 45 Ah @ 12 V battery for use with EQ-241976 charger.
- Absolutely maintenance-free.
- Long service life, 10 years and more than 500 recharging/discharging cycles.
- Valve-regulated plastic container as overload protection.

BATTERY EQ-241994

- 120 Ah @ 12 V battery for use with EQ-241977 charger.
- Absolutely maintenance-free.
- Long service life, 10 years and more than 500 recharging/discharging cycles.
- Valve-regulated plastic container as overload protection.

WALL CONTROLLER VCC-64

- In-wall volume and channel controller in one zone.
- Local installation via bus RS-485.
- Up to 99 channels and 0-9 volumen.
- Terminal block 4 pin.
- DIP channel selector and 2x8 character display.

POWER ADAPTER VCC-64PSK

- RJ-45 communication and power adapter for VCC-64 wall controller.
- Connection for up to 10 devices.
- Up to 200 m distance.
- Standard UTP cable.

NEO one

SHARED ACCESSORIES TO GO FURTHER

At LDA Audio Tech we work tirelessly to design public address and voice evacuation solutions that are both safe and efficient. Therefore, our range is completed with these accessories that can be used equally in NEO and ONE systems to provide them with the best features.

MICROPHONE A-1

- One-zone desktop microphone with lighting indicators.
- Microcontroller for different systems: on/off mode, PTT, RS-485, 2 wires TTL, advise tone and TTL control level.
- Local power supply and audio gain setting.

EN 54 certified

EXPANSION KEYBOARD MPS-8K

- Expansion unit for the paging microphone MPS-8Z.
- 8 programmable buttons via software for 8 different public address zones.
- Designed for an intensive use.
- Each MPS-8Z microphone can be paired with up to 7 expansion keyboards.

EN 54 certified

MULTIZONE MICROPHONE MPS-8Z

- 8 zone buttons, 1 for events and 1 for memory.
- Auto-lock and recall function.
- UTP cable connection (ACSI bus).
- Power, status, remote control and zones indicators.
- Local power supply source.

EN 54 certified

EXPANSION KEYBOARD VAP-8K

- Keyboard expansion for VAP-1 panel.
- 8 programmable buttons for paging up to additional zones.
- Each VAP-1 can equip up to 7 expansion keyboards.

EN 54 certified

VOICE ALARM PANEL VAP-1

- Voice alarm panel with event button.
- Direct access to all NEO system evacuation functions.
- UTP cable connection (ACSI bus).
- Indicators for power supply, general emergency state, remote control and notifications.
- UTP cable connection (ACSI bus).
- Local power source optional.

EN 54 certified

END OF LINE DEVICE TFL-2

- Speaker lines supervision through impedance.
- EN 54-16 certified.
- Includes a filtered capacitive load, avoiding amplifier overload.
- Stabilizes impedance measurement of NEO and ONE.
- Return cable not needed.
- Easy installation, surface mountable, small dimensions and low consumption.

BLANK BLOCK VAP-1EC

- Blank block for voice alarm panel VAP-1.
- For use with VAP-1 in 4U and 6U racks.
- Below ONE-500 when installed on

WALL-MOUNTED CABINET RACK-4ALT

- 19” and 4U wall-mounted rack cabinet for VAP-1 voice alarm panel.
- With glass front door and lock.
- Allows up to 2 VAP-8K extension units.
- Dimensions: 600 x 150 x 288 mm.

WALL-MOUNTED CABINET RACK-6ALT

- 19” and 6U wall-mounted rack cabinet for VAP-1 voice alarm panel.
- With glass front door and lock.
- Allows up to 7 VAP-8K extension units.
- Dimensions: 600 x 150 x 360 mm.

CABINET RACK-12ALT / RACK-24ALT / RACK-42ALT

- Multipurpose rack cabinets.
- Four 19” moveable profiles and acccessible side panels.
- Glass front door with lock and vent slots.
- Levelling feet or wheels.
- Dimensions: 600 x 450 x 635 mm (12U), 600 x 800 x 1255 mm (24U) and 600 x 800 x 1983 mm (42U).

PLAYER RCD-21

- CD/DVD, CDR, CDRW, MP3, WMA and FM/AM, high-speed USB and SD cards player.
- Independent outputs to play music and applications on 2 channels simultaneously.
- Independent volume control for 2 line outputs.

ATTENUATORS AT SERIES

- For high impedance lines.
- 10 volume steps, each 3 dB.
- Mounting bracket in different types of boxes.
- Manoeuvring entry for the emergency or priority system.
- Available for 12 W and 50 W.

EVERYTHING UNDER CONTROL FROM ANY LOCATION

LDA Audio Tech offers the ideal management platforms to configure and control all your systems.

NEO Control Software has been developed for remote and secure access to any NEO system integrated by one NEO-8060 unit and one or several NEO Extension units.

SIME is a software platform based on web services to manage LDA Audio Tech public address and voice evacuation systems.

It provides complete, easy and intuitive management through a touch-screen interface on a web browser. SIME is scalable and customisable to any installation.

NEO CONTROL SOFTWARE

- Central and secure control of the NEO system.
- Distribution and routing of quality audio.
- Easy to install and configure.
- Synchronised with the NEO system.
- Without the need to configure databases.
- Exclusive for one NEO system (1 NEO-8060 and NEO Extension units).

NEO CONFIGURATOR SOFTWARE

- Configuration and parametrization of NEO system.
- Events creation (trigger, condition, action).
- Can work off-line.
- Exclusive for one NEO system (1 NEO-8060 and NEO Extension units).
- Free download on LDA Support website.

SIME CONTROL

- Management and centralised supervision of the system.
- Multiplatform and remote access.
- Volume control.
- Audio routing and pre-recorded messages, with distribution to the entire network.
- Emergency functions.
- Integration with third-party technologies.
- SNMP Supervision.
- Additional modules:
  - VOIP SIP Module.
  - TTS Module.
  - Automatic Gain Control Module.
  - Failure notification by email Module.

SIME CALENDAR

- Programming and automation of events.
- Event viewer by calendar.
- Creation of playlists.
- Distribution of audio content.
- Integration with SIME Control.

SIME EVAC

- Control and centralised supervision of the system via Ethernet networks.
- Messages and zones monitoriing while evacutation using color codes.
- Emergency operation center redundancy.
- Multiplatform access.

MULTISITE INSTALLATIONS

INTEGRATED AND CENTRALISED SYSTEMS

The LDA SIME Control software allows you to monitor several distributed NEO systems in an installation with separate zones.

A single person can control the status of the entire system through a touch-screen interface in the cloud.

The reception and routing of audio through the Ethernet network can be controlled from the SIME control panel, this includes incident detection in real time.

PUBLIC ADDRESS SYSTEM AND VOICE EVACUATION ACCORDING A TS54-32

Integration with fire panel	Analogue audio inputs	Amplification output (A + B wiring)
General or by zone contact series 485 closures	*Audio balanced 2 pair shielded cable*	*2 x 1,5 mm² copper pair cable (according to power and distance)*

OPERATION LOCATION
(MAIN AND BACKUP)
COBRANET or AES67/DANTE
SIME Control
- Central control & monitoring
SIME Calendar
- Scheduling of pre-recorded messages
SIME Modules
- Automatic gain control
- Text-to-speech
- IP Voice SIP integration
BUILDING 1
Fire panel
Zones 1-8
BMS
BUILDING 2
Zone 1
Zone 2
Zone 3
Zone 4
Zone 5
Zone 6
Zone 7
Zone 8
Zones 9-16
Zones 17-20
Zones 21-28
LDA FlexNet® protocol
Standard UTP cabling
LDA ACSI® bus
Standard UTP cabling
Ethernet
Standard UTP cabling

SPEAKERS: A MODEL FOR EVERY NEED

The adequate sound pressure and intelligibility levels of an emergency system largely depends on the speakers and acoustic solutions selected.

The LDA Audio Tech range is distinguished by its wide coverage, sharpness and variety of formats and applications.

We also have an EN 54-24 certified line for voice alarm systems in fire protection.

Our directive solutions allow it to adapt to any complicated acoustic or high reverberation environment.

EN 54 certified

CH-32TN

- 3” ceiling speaker.
- Lines: 6/3/1.5/0.75 W @100 V and 3/1.5/0.75/0.375 W @70 V.
- Can be used with fire dome CH-32TNFD.
- With ceramic terminal and isolation fuse.
- IP-21 rating.

EN 54 certified

CH-42TN

- 6” ceiling speaker.
- Lines: 6/3/1.5/0.75 W @100 V and 3/1.5/0.75/0.375 W @70 V.
- Can be used with fire dome CH-42TNFD.
- With ceramic terminal and isolation fuse.
- IP-55 rating.

EN 54 certified

DS-60TN

- 5” surface speaker.
- Lines: 6/3/1.5/0.75 W @100 V and 3/1.5/0.75/0.375 W @70 V.
- Robust metal case for fire and vandalism protection.
- With ceramic terminal and isolation fuse.
- IP-21 rating.

Weatherproof

EN 54 certified

PCP-20TN

- 5” unidirectional projector.
- Lines: 20/10/5/2.5 W @100 V and 10/5/2.5/1.25 W @70 V.
- ABS V0 case, fire protected.
- High sound pressure, low distortion and wide range for frequency response.
- With ceramic terminal and isolation fuse.
- IP-55 rating.

Weatherproof

EN 54 certified

PCM-20TN

- 5” unidirectional projector.
- Lines: 20/10/5/2.5 W @100 V and 10/5/2.5/1.25 W @70 V.
- 3 mm aluminum case and steel grid.
- High sound pressure, low distortion and wide range for frequency response.
- With ceramic terminal and isolation fuse.
- IP-55 rating.

EN 54 certified

SC-95TN

- 24 W ceiling coaxial 2 ways speaker.
- Lines: 24/12/6/3 W @100 V / 4 Ω.
- Easy blending with any indoor decorations.
- Robust metal case with fire dome.
- Simple power setting and wiring.
- IP-21 rating.

Weatherproof

EN 54 certified

PCM-220TN

- Bidirectional projector.
- Lines: 20/10/5/2.5 W @100 V and 10/5/2.5/1.25 W @70 V.
- High sound pressure, low distortion and wide frequency response.
- High resistance. IP-65 rating and ultraviolet protection.

Weatherproof

EN 54 certified

PS-30TN

- Horn.
- Lines: 15/10/5 W / 8 Ω @100 V and 7.5/5/2.5 W / 8 Ω @70 V.
- Made of highly resistant ABS, stainless steel U-bracket.
- High sensitivity and directivity.
- IP-55 rating.

Weatherproof

EN 54 certified

CI-825TN

- Acoustic column.
- Lines: 40/20/10/5 W @100 V and 20/10/5/2.5 W @70 V.
- Made of resistant aluminium, support bracket with angle adjustment.
- 100 V and 70 V transformer.
- Adaptable to extreme environments, IP-66 rating and ultraviolet protection.

Weatherproof

EN 54 certified

CI-225TN

- Acoustic column.
- 70/100 V transformer.
- Made of resistant aluminium, support bracket with angle adjustment.
- Adapts to extreme environments. IP-66 rating and ultraviolet protection.

EQ-242048

- Steerable array model DC 12/2.
- High performance beam steering control.
- Self-powered with 12 full-range, two-inch drivers (24 W each).
- Controllable via smartphone or tablet.
- Maximum sensitivity. SPL: 117 dB peak.