PRODUCT GUIDE
COMMERCIAL
AUDIO
2021

PROEL

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EN54 EVACUATION SYSTEMS

EN54 EVACUATION SYSTEMS

AE604 🇮🇹

Wall mounted All-In-One voice alarm system compliant with **EN54-16** with testing and charge circuit compliant with **EN54-4**.
4 Zones System on redundant loudspeaker line and back up Amplifier.
Main and backup amplifier in class D "Pure Path"™.
300W @ 100V on redundant loudspeaker line (A + B). The system does not require a line end resistor.
The system ensures full power performance even with backup power.
Processing circuit by DSP; balanced and isolated background music input, isolated and balanced background music microphone input with selectable 48Vdc phantom power supply and priority activation by contact; monitored input for remote emergency call stations; front panel fitted with monitor loudspeaker, monitored emergency PPT microphone, direct sending message keys, navigation keys, large display with LCD dot matrix. Line output for active sub-woofer; audio messages stored on uSD 16bit 48kHz: 8 general purpose messages with activation from dedicated input. contacts or incorporated scheduler, 8 monitored contacts for emergency announcement activation.
4 12Vdc batteries 18Ah not included.
Main Unit Dimensions (WxHxD): 470x550x235mm
Battery Case Dimensions (WxHxD): 470x220mmx200mm
Certification EN 54-16:2008 0051-CPR-1901

AE300 🇮🇹 (order code AE300R1)

Wall mounted All-In-One voice alarm system compliant with **EN54-16** with testing and charge circuit compliant with **EN54-4**.
Main and backup amplifier in class D "Pure Path"™
300W @ 100V on redundant loudspeaker line (A + B). The system does not require a line end resistor.
The system ensures full power performance even with backup power.
Processing circuit by DSP; balanced and isolated background music input, isolated microphone input with selectable 48Vdc phantom power supply and priority activation by contact; monitored input for remote emergency call stations; front panel fitted with monitor loudspeaker, monitored emergency PPT microphone, direct sending message keys, navigation keys, large display with LCD dot matrix.
Line output for active sub-woofer; audio messages stored on uSD 16 bit 48kHz: 8 general purpose messages with activation from dedicated input contacts or incorporated scheduler, 2 monitored contacts for emergency announcement activation.
4 12Vdc batteries. 7.2Ah not included
Dimensions (WxHxD): 440x495x155mm
Certification EN 54-16:2008 0051-CPR-0514

PA DBE01 ◖◗

Fully monitored desk call station according to **EN54-16**. Software programmable "Talk" key, "Busy" and "System" LEDs, dynamic gooseneck microphone, automatic compressor, level adjustment trimmer Wiring by Rj45 connector and CAT5 Cable.

PA DBE06 ◖◗

Fully monitored desk call station according to **EN54-16**. Software programmable capacitive selection keys, "Talk" and "Busy" Keys, "System" LEDs, dynamic gooseneck microphone, automatic compressor, level adjustment trimmer Wiring by Rj45 connector and CAT5 Cable. Wiring by Rj45 connector and CAT5 Cable. Power supply from RJ45 cable or 24Vdc local adaptor.

PA DBE108 ◖◗

Fully monitored desk call station according to **EN54-16**.
10 keys dial keyboard, "Talk" and "Clear" key, 3 Evac activation keys, touch screen quarter VGA TFT display, dynamic gooseneck microphone, DSP audio processing. All keys and functions are software programmable. Wiring by Rj45 connector and CAT5 Cable.
Power supply from RJ45 cable or 24Vdc local adaptor.

PA DBE108E ◖◗

Fully monitored Ethernet desk call station according to **EN54-16**. Connects to networkable Proel Evac System.
10 keys dial keyboard, "Talk" and "Clear" key, 3 Evac activation keys, touch screen quarter VGA TFT display, dynamic gooseneck microphone, DSP audio processing. All keys and functions are software programmable. Wiring by Rj45 connector and CAT5 Cable.
Power supply from RJ45 cable or 24Vdc local adaptor.

PA DBEVF ◖◗

Fully monitored, wall-mount, red metal box, **EN54-16** Firemen's call station with handheld PTT Microphone. Fully software programmable, with status LEDs. Access to the security and fire alarm features system is granted by a key-lock. "EVAC" and "ALARM" Remote Message Activation Button.
Wiring by Rj45 connector and CAT5 Cable.
Power supply from RJ45 cable or 24Vdc local adaptor.

EN54 EVACUATION SYSTEMS

PA AEM5Z 🇮🇹

Digital Master matrix certified **EN 54-16**
Up to 5 slots for direct plug- in modules for the Amplifier/line control .
Up to 108 zones (54 with dual-line architecture for zone A/B)
LCD display with navigation knobs for the complete unit control Led
Power, Fault Warring e Voice Alarm
Front USB socket for PC interface purposes
24 Vdc power supply input
Spare amplifier input
Two RJ45 connectors for the Slave matrix connecting purposes
Two RJ45 connectors for the microphone units connecting (up to 108 microphone units)
Two contact activation messages and in/out programmable connectors
Common fault out
2 rack unit 19" Standard
Certification EN54-16:2008 0068-CPR-014

PA AES8Z 🇮🇹

EN54-16 certified slave matrix
Up to 8 directly insertable modules for amplifier/line control
Power LED
Fault Warning and Voice Alarm
24Vdc power supply input
Backup amplifier input
Four RJ45 connectors for connection to the Master matrix and subsequent Slave matrix
2 standard 19" rack units
Certification EN54-16:2008 0068-CPR-014

PA EV MCL1Z 🇮🇹

Zone module for amplifier/line control to be inserted in the Master EV PROM5Z or Slave EV PROS8Z matrix

PA EV MCL2Z 🇮🇹

Zone module for the control of the second line in the same zone amplifier, to be inserted in the Master EV PROM5Z or Slave EV PROS8Z matrix

PA AELAB 🇮🇹

NEW

Zone controller managing the amplifier and the redundant loudspeaker lines (A+B) performing continuous monitoring. The module fits into the AEM5Z Master matrix or AES8Z Slave matrix.

PA 48VDC12A

Back-up power supply control system.
Provides the back-up power supply to maintain the system in operation when there is no mains power supply.
48V input for external back-up batteries (not provided). Battery capacity 150 Ah.
The built-in charger controls the power supply circuit when the AC supply operates correctly. In case of no mains power supply, all system devices will be automatically powered by the 48VDC batteries. The system controls the power supply circuit both for the mains power supply and for battery operation by communicating the power supply status and any faults to the unit.
EN54-4 certified system230V/50Hz power supply

PA DM250/550/750

Modular Professional Power Unit: 70/100V: DM250 250W – DM550 550W – DM750 750W
Speaker short-circuit and overload protection circuit
Multi-Level Protection and Self Fault Recovery
Energy Saving Circuit
On Board DSP
LED indicators
Master Level control
Low and high tone adjustment
PA-HF Filter with rear switch
VOX threshold adjustment
MIC/Line input gain adjustment
Balanced Line Input on Euroblock terminal
Priority Mic/Line Balanced Input on RJ45 socket
Two selectable outputs at Constant voltage (70/100V) on Euroblock terminal
48Vdc emergency power supply
Dimensions (WxHxD): 116x53x367mm
Weight: 2.15Kg
Maximum 8 modules in a rack case MDA8C (3U rack 19")

PA MDAC8

8 units rack case (3U rack 19") for MDA series

PA MDACTV

8 units rack ventilated case (3U rack 19") for MDA/DMPower series

SPEAKERS FOR EN54 EVAC APPLICATIONS

SPEAKERS FOR EN54 EVAC APPLICATIONS

ARTIA
S E R I E S

PA A51TB - PA A51TW

System type: Wall Mount Speaker
Drivers: 1" tweeter, 5" woofer
Power Rating @ 8Ω (nominal): 50 W
Rated Noise Power 100h: 50 W
Power Rating @ 100V: 50 / 25 / 12.5 / 6.25 W
Power Rating @ 70V: 50 / 25 / 12.5 / 6.25 / 3.12 W
Impedance: 8 Ω (nominal)
          200 / 400 / 800 / 1.6K Ω @ 100V
          100 / 200 / 400 / 800 / 1.6K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: Rotary Switch
Frequency Response: (-10 dB) 90 - 20k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 89 / 77 dB
Max SPL (1 kHz, 1m / 4m): 106 / 94 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): 180° / 180° / 180° / 120°
Cabinet: Black (RAL 9011)/White (RAL 9016)
Material: ABS / Aluminium
Environmental Type: B (IP55C)
Operating Temperature: -25 ÷ +70 ℃ (-13 ÷ +158 °F)
Relative Humidity: < 95%
Dimensions (mm): 170 x 245 x 175 (W x H x D)
Mounting: on wall using supplied bracket
Weight (Kg): 2.3
Standard Compliance: **EN54-24:2008**

PA A51TB: Black Color
PA A51TW: White Color

PA A31TB - PA A31TW

System type: Wall Mount Speaker
Drivers: 1" tweeter, 3" woofer
Power Rating @ 8Ω (nominal): 25W
Rated Noise Power 100h: 25 W
Power Rating @ 100V: 25 / 12.5 / 6.25 / 3.12 W
Power Rating @ 70V: 25 / 12.5 / 6.25 / 3.12 / 1.56 W
Impedance: 8 Ω (nominal)
          400 / 800 / 1.6K / 3.2K Ω @ 100V
          200 / 400 / 800 / 1.6K / 3.2K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: Rotary Switch
Frequency Response: (-10 dB) 120 - 20k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 87 / 75 dB
Max SPL (1 kHz, 1m / 4m): 101 / 89 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): 180° / 120° / 120° / 90°
Cabinet: Black (RAL 9011)/White (RAL 9016)
Material: ABS / Aluminium
Environmental Type: B (IP55C)
Operating Temperature: -25 ÷ +70 ℃ (-13 ÷ +158 °F)
Relative Humidity: < 95%
Dimensions (mm): 140 x 209 x 125 (W x H x D)
Mounting: on wall using supplied bracket
Weight (Kg): 1.74
Standard Compliance: **EN54-24:2008**

PA A31TB: Black Color
PA A31TW: White Color

ARTIA
SERIES

PA AP50T

System type: Sound Projector
Drivers: 5" dual cone full range
Rated Noise Power 100h: 20 W
Power Rating @ 100V: 20 / 10 / 5 W
Power Rating @ 70V: 10 / 5 / 2.5 W
Impedance: 500 / 1K / 2K Ω @ 100V
         500 / 1K / 2K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: On terminal block
Frequency Response: (-10 dB) 100 - 12k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 90 / 78 dB
Max SPL (1 kHz, 1m / 4m): 103 / 91 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): 180° / 120° / 80° / 60°
Cabinet: White (RAL 9016)
Material: Aluminium
Environmental Type: B (IP55C)
Operating Temperature: -25 ÷ +70 °C (-13 ÷ +158 °F)
Relative Humidity: < 95%
Dimensions (mm): 140 x 140 x 195 (W x H x D)
Mounting: Brick/concrete on ceilings/wall
Weight (Kg): 2.63
Standard Compliance: **EN54-24:2008**

PA AP52T

System type: Bi-Directional Sound Projector
Drivers: 2x 5" full range
Rated Noise Power 100h: 20 W
Power Rating @ 100V: 20 / 10 / 5 W
Power Rating @ 70V: 10 / 5 / 2.5 W
Impedance: 500 / 1K / 2K Ω @ 100V
         500 / 1K / 2K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: On terminal block
Frequency Response: (-10 dB) 120 - 12k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 88 / 76 dB
Max SPL (1 kHz, 1m / 4m): 101 / 89 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): (2x) 180° / 120° / 80° / 60°
Cabinet: White (RAL 9016)
Material: Aluminium
Environmental Type: B (IP55C)
Operating Temperature: -25 ÷ +70 °C (-13 ÷ +158 °F)
Relative Humidity: < 95%
Dimensions (mm): 140 x 185 x 200 (W x H x D)
Mounting: Brick/concrete on ceilings/wall
Weight (kg): 3.45
Standard Compliance: **EN54-24:2008**

SPEAKERS FOR EN54 EVAC APPLICATIONS

ARTIA
S E R I E S

PA AH50T

System type: Hanging Speaker
Drivers: 5" dual cone full range
Rated Noise Power 100h: 20 W
Power Rating @ 100V: 20 / 10 / 5 W
Power Rating @ 70V: 10 / 5 / 2.5 W
Impedance: 500 / 1K / 2K Ω @ 100V
500 / 1K / 2K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: On terminal block
Frequency Response: (-10 dB) 100 - 12k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 90 / 78 dB
Max SPL (1 kHz, 1m / 4m): 103 / 91 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): 180° / 120° / 80° / 60°
Cabinet: White (RAL 9016)
Material: Aluminium
Environmental Type: B (IP55C)
Operating Temperature: -25 ÷ +70 °C (-13 ÷ +158 °F)
Relative Humidity: < 95%
Dimensions (mm): 140 x 140 x 195 (W x H x D)
Mounting: Suspended from ceilings
Weight (kg): 2.77
Standard Compliance: **EN54-24:2008**

PA AIW50T

System type: In-Wall Speaker
Drivers: 1" tweeter - 5" woofer
Rated Noise Power 100h: 12 W
Power Rating @ 100V: 12 / 6 / 3 W
Power Rating @ 70V: 6 / 3 / 1.5 W
Impedance: 850 / 1.7K / 3.4K Ω @ 100V
850 / 1.7K / 3.4K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: On terminal block
Frequency Response: (-10 dB) 120 - 20k Hz (on wall)
Sensitivity at 1W (1 kHz, 1m / 4m): 89 / 77 dB
Max SPL (1 kHz, 1m / 4m): 100 / 88 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): 130° / 130° / 120° / 90°
Cabinet: White (RAL 9016)
Material: ABS / Aluminium
Environmental Type: A (IP21C)
Operating Temperature: -10 ÷ +55 °C (+14 ÷ +131 °F)
Relative Humidity: < 95%
Dimensions (mm): 280 x 192 x 77 (W x H x D)
Mounting: In-wall or on surface with AIW50FRAME
Weight (kg): 1.62
Standard Compliance: **EN54-24:2008**

PA AIW50FRAME

This optional accessory allows to install the AIW50T on the surface of concrete or brick walls.

ARTIA
SERIES

PA AC61T

System type: Ceiling Speaker
Drivers: 1″ tweeter - 6″ woofer
Rated Noise Power 100h: 12 W
Power Rating @ 100V: 12 /6 / 3 W
Power Rating @ 70V: 6 / 3 / 1.5 W
Impedance: 850 / 1.7K / 3.4K Ω @ 100V
        850 / 1.7K / 3.4K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: On terminal block
Frequency Response: (-10 dB) 200 - 20k Hz (on wall)
Sensitivity at 1W (1 kHz, 1m / 4m): 95 / 83 dB
Max SPL (1 kHz, 1m / 4m): 105 / 93 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): 120° /120° / 90°/ 60°
Cabinet: White (RAL 9016)
Material: ABS / Aluminium
Environmental Type: A (IP42C)
Operating Temperature: -10 ÷ +55 °C (+14 ÷ +131 °F)
Relative Humidity: < 95%
Dimensions (mm): 186 x 114 (ø x D)
Mounting: ø 166mm cut out
Weight (kg): 1.07
Standard Compliance: **EN54-24:2008**

PA AC60T

System type: Ceiling Speaker
Drivers: 6″ dual cone full range
Rated Noise Power 100h: 12 W
Power Rating @ 100V: 12 / 6 / 3 W
Power Rating @ 70V: 6 / 3 / 1.5 W
Impedance: 850 / 1.7K / 3.4K Ω @ 100V
        850 / 1.7K / 3.4K Ω @ 70V
Connector: Ceramic Terminal Block
Power Selection: On terminal block
Frequency Response: (-10 dB) 120 - 20k Hz (on wall)
Sensitivity at 1W (1 kHz, 1m / 4m): 94 / 82 dB
Max SPL (1 kHz, 1m / 4m): 104 / 92 dB
Coverage Angle at 500 / 1k / 2k/ 4k Hz(-6dB): 120° /120° / 90°/ 45°
Cabinet: White (RAL 9016)
Material: ABS / Aluminium
Environmental Type: A (IP21C)
Operating Temperature: -10 ÷ +55 °C (+14 ÷ +131 °F)
Relative Humidity: < 95%
Dimensions (mm): 186 x 74 (ø x D)
Mounting: ø 166mm cut out
Weight (kg): 0.81
Standard Compliance: **EN54-24:2008**

SPEAKERS FOR EN54 EVAC APPLICATIONS

NEW

PA CS-6HT60BS

System Type: Horn Speaker
LF Speaker: 6.5" Waterproof PP Woofer
HF Speaker 1" Compression Driver
Rated Noise Power 100h @ 100V: 60 W
Rated Noise Power 100h @ 70V: 30 W
Power rating @ 100V: 60 / 30 / 15 / 7.5 W
Power rating @ 70V: 30 / 15 / 7.5 / 3.75 W
Impedance: 167 / 333 / 666 / 1.33k Ω
Connector: Ceramic Terminal block
Power selection: On Transformer Terminals
Measure Environment: Free Field
Frequency Response (-10 dB): 200 - 20k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 102 / 100 dB
Sensitivity at 1W (Pink Noise 6dB Crest Factor, 1m / 4m): 99 / 87 dB
Max SPL (Pink Noise 6dB Crest Factor, 1m / 4m): 114 / 102 dB
Horizontal Coverage Angle at 500 / 1k / 2k / 4k Hz (-6dB): 105° / 50° / 80° / 80°
Vertical Coverage Angle at 500 / 1k / 2k / 4k Hz (-6dB): 140° / 70° / 90° / 150°
Cabinet: White (RAL 9016)
Material: ABS
Environmental Type: B
Protection Degree: IP66
Operating Temperature: -25 ÷ +55 °C (-13 ÷ +131 °F)
Relative humidity: <95%
Dimensions (mm): 418 x 332 x 391 (W x H x D)
Mounting: on wall using supplied bracket
Weight :7.4 kg (16.3 lb)
Standard Compliance: **EN54-24:2008**

PA PHS-81T30BS

Type: Outdoor / indoor horn speaker
Drivers: Horn speaker
Power rating @ 100 V: 30 W – 15 W – 7.5 W – 3.75 W
Power rating @ 70 V: 15 W – 7.5 W – 3.75 W – 1.87
Impedance (Ohm) : 333 Ohm – 667 Ohm – 1333 Ohm – 2667 Ohm
Terminal block: Ceramic
Power selection device: Power taps on transformer
Frequency response: 340 Hz – 9 kHz
Sensitivity: 108 dB (at 1 W / 1 m)
Max SPL (sound pressure level): 123 dB (at 30 W / 1 m)
Dispersion 1 kHz / 4 kHz: Conical 60°
Cabinet :Light Grey (RAL 7035)
Material: ABS complying Anti-Fire UL 94V0
Environmental: type B
Type of application: E
Mounting Yoke bracket
Dimension Ø x D: 212 x 280 mm (8.35" x 11.02")
Weight: 2.1 kg
IP rating: (IE C 60529) IP 66
Standard Compliance: **EN54-24:2008**

AUDIO SYSTEMS

AUDIO SYSTEMS

PA MATRIX88

8 Inputs 8 Outputs audio matrix
8 music inputs (4 lines and 4 Mic/line) freely selectable in each of the 8 outputs
One local balanced input with gain control for each zone
One main microphone with selectable priority
8 Alarm contacts
One EM IN input for an external message generator with selectable priority function
8 RJ45 ports for CAT5 connection of 8 remote controls (one for each zone)
2 RJ45 ports for CAT5 connection of 2 paging consoles
Separate level controls for each zone
Display for viewing the selected input channel on each zone
Internal speaker for zone listening
230/117V~ 50/60Hz power supply
24Vdc Emergency power supply
RS485 Communication
Up to 4 matrixes that can be connected in cascade (32-zone system)
19" standard 3U rack

PA R88L

Remote Control Panel for MATRIX88 with Integrated mixer.
Allows the local volume adjustment, selection of the sound source to listen and local sound source input. It also allows you to insert a line input and a microphone input, both provided with level control, in the audio zone which it is assigned to.
CAT5 connection to MATRIX88 station.
Provide local 24Vdc power supply for distances greater than 50 metres from the station. Separate recessed box included.
MIC Input Sensitivity: 10mV
Aux Input Sensitivity: 335mV
Aux Output: 775mV
Frequency response: 50Hz-18kHz
Power consumption: 400mA
Weight: 0.153Kg
Dimensions (WxHxD): 86x146x33mm

PA R88

Remote Control Panel for MATRIX88
Allows for local volume adjustment and the selection of the sound source to be listened to.
CAT5 connection to the MATRIX88 station.
Provide local 24Vdc power supply for distances greater than 50 metres from the station.
Wall recessed box included.
Frequency response: 50Hz-18kHz
Power consumption: 400mA
Weight: 0.73Kg
Dimensions (WxHxD): 86x86x33mm

PA LOC02

Remote wall panel, fitted with two XLR microphone inputs, which works in conjunction with the MATRIX88 central unit. It allows the two connected microphones to operate in the audio zone which the remote control is assigned to. You can silence the music programme coming from the central unit (MATRIX88) with the MUTE key and allow the playback of only the signal coming from the two microphone inputs. For each microphone input, the panel allows for the separate adjustment of volumes and tone levels. The connection between the panel and matrix is made using a UTP CAT5 cable, which is also used to power the panel by means of the matrix up to a distance of 50 metres; greater distances may require local additional power supply (+24Vdc). LOC02 has a dedicated recessed wall metal box.
MIC Input Sensitivity: 10mV
Frequency response: 50Hz-18kHz
Signal-to-Noise Ratio: MIC ≥65 dB - BGM ≥75 dB
Power consumption: 400mA
Weight: 0.161Kg
Dimensions (WxHxD): 86x146x33mm

PA RBOX1

Metal box for wall mounting R88 module

PA RBOX2

Metal box for wall mounting R88L and LOC2 modules

PA BM8X8

Digital Microphone Base for MATRIX88 announcements
SPL (1W/m): 4mV/Pa
Frequency response: 150Hz-8kHz
Power Supply: 24Vdc
300 mm cardioid gooseneck
Output connector: RJ45
Dimensions (WxHxD): 232x61x131mm
Weight: 0.95 kg

PA EXBM8X8

Expansion unit for BM8X8 paging console. If you wish to expand a system to 16-24-32 zones, the BM8X8 call console must be fitted with 16-24-32 zone selection buttons for the paging operations. Note: The BM8X8 can be connected with a maximum of 3 EXBM8X8 modules, in cascade.

AUDIO SYSTEMS

PA ZONE8 ◗◗

8-Zone Voice/Music management system
5 switched music inputs (Tape-CD-Tuner-AUX1-AUX2)
Total level control of the call stations
Music signal level control.
ON/OFF controls to activate music on the zones
LED light of zone occupied by the microphone call
Priority input for emergency alert microphone.
Command to activate two-tone siren according to DIN33404
Line output for possible total recording of events.
6 RJ45 inputs for CAT5 connection of the microphone stations (max 18 micro bases).
Audio output on the 8 zones presettable at 100V or 0dB depending on the configuration used.
24Vdc bypass command available for each zone for local volume attenuators.
3 audio inputs with automatic activation (VOX) respectively for: automatic/additional free input telephone calls/messages.
230 V~ - 24Vdc power supply for emergency.
ZONE8 uses 3 operating configurations:

- A   With unique amplifier - Call in the relevant zone/Music present in the zones only with system in stand-by.
- B   With two amplifiers - Call in the relevant zone/ Music always present even in the zones not concerned by the call.
- C   With eight or more amplifiers - Call in the relevant zone/Music always present in the zones not concerned by the call. Large installation system.

PA BM01 ◗◗

Digital Microphone Base for general announcements
Makes the microphone call only in general mode. ALL key to engage the zones in general mode, TALK key to make the speakerphone announcements with the relative activation LED lights.

PA BM04 ◗◗

Digital Microphone Base for 4-zone announcements
Makes the microphone call on the individual zones or in general mode. ALL key to engage the zones in general mode, TALK key to make the speakerphone announcements with relative activation LED lights. Additional four/eight/sixteen keys to select the microphone call on as many zones. The zone activation is highlighted by its LED.

CONFERENCE SYSTEMS

CONFERENCE SYSTEMS

WCS1000RXV2

The WCS1000 system is the Proel solution for all debate or conference applications in small, medium or large structures in which the use of a wired system is not convenient or feasible. Thanks to the 256 supported bases and the wide WCS1000 transmission range, it is the ideal choice to ensure full freedom of use and extreme simplicity and rapidity of installation with no wiring.
WS1000RX Main receiving unit
PLL UHF - 5 active channels (1 president - 4 delegate)
Three operating modes: FIFO, LIMIT MODE, PRESIDENT
Two rack units
Dimensions (WxHxD): 485x85x355mm
Weight: 7 kg

WCS1000CV2

President microphone station for WCS1000 series wireless conference system
Base with removable and rechargeable batteries via the WCS1000CH charging case
PLL UHF Transmitter
One-way condenser microphone
Priority key
Three function keys
Microphone on button
Power supply: 3 x 1.5V batteries
RF coverage: 50 metres
Frequency range: 610-670MHz
16 selectable channels
Dimensions (HxWxD): 58x178x115mm
Weight: 0.7 kg

WCS1000DV2

Delegate microphone station for WCS1000 series wireless conference system
Base with removable batteries and rechargeable via the WCS1000CH charging case
PLL UHF Transmitter
One-way condenser microphone
Three function keys
Microphone on button
Power supply: 3 x 1.5V batteries
RF coverage: 50 metres
Frequency range: 610-670MHz
16 selectable channels
Dimensions (HxWxD): 58x178x115mm
Weight: 0.7 kg

WCS1000CHV2

Battery charger case for WCS1000 system.
Ability to recharge 8 microphone stations.
Consumption: 100W
Maximum charge current: 700mA
Charge time: approx. 10 hours
Dimensions (HxWxD): 175x620x370mm
Weight: 5 kg
Portable with handle

PA DWSKIT

Wireless Discussion system composed of DWS receiving unit with four BMW wireless bases and battery charger.
Dual Display
Navigation keys
Level control of each individual microphone base
Infrared technology for setting the operating frequency
Mixed balanced and unbalanced output
Individual outputs for each channel
Channelled frequency mode or Tuning
Separate Squelch control for each individual Band
Wireless console with display and light ring to indicate the operational condition
Capacity: 50/60m
Metal case with 1 standard 19" rack unit
Two frequency ranges available: a: 610÷670 MHz

PA CONFD

Conference and discussion system made in digital technology in compliance with IEC914 and ISO Standards.
Power supply and direct control of 64 microphone units
President base with priority
Three modes of operation of interventions: FREE MODE, LIMIT MODE and FIFO MODE
One MICRO and one LINE Input for external units
TAPE outputs for recording and LINE for room amplification (balanced and unbalanced)
Possibility of inserting an audio processor in the chain
Microphone SPL (1W/m) level control
Unit monitor loudspeaker level control

PA BMCD

President microphone unit with "SPEAK" key, "PRIORITY" key and LED light of electret condenser microphone activated functions mounted on flexible stem with light ring, built-in monitoring loudspeaker with volume control, headphone jack. 2m Long Y-connector cable provided.
Base Dimensions (WxHxD): 235x54x110mm
Gooseneck length: 390mm
Weight: 1.15 kg

PA BMDD

Delegate microphone unit with "SPEAK" key and LED light of electret condenser microphone activated functions mounted on flexible stem with light ring, built-in monitoring loudspeaker with volume control, headphone jack. 2m Long Y-connector cable provided.
Base Dimensions (WxHxD): 235x54x110mm
Gooseneck length: 390mm
Weight: 1.15 kg

CONFERENCE SYSTEMS

PA EXCONFD

Expansion unit for CONFD system. Each expansion unit can be connected with a maximum of 60 bases spread over 6 lines (never exceed 30 units per line). Using four expansion units, the system can control up to a maximum of 254.

PA CVMF13

MALE-FEMALE 13 m 8-Pin extension cable

PA CVMF6

MALE-FEMALE 6 m 8-Pin extension cable

PA CVMF3

MALE-FEMALE 3 m 8-Pin extension cable

PA CVMM3

MALE-MALE 3 m 8-Pin extension cable

PORTABLE SYSTEMS

PORTABLE SYSTEMS

PA MEG25

ABS handheld / shoulder belt megaphone
Power: 25W
Power Supply: 8x C type batteries not supplied
Autonomy: approx. 15 hours
Dimensions: Ø230 - H350mm
Weight: 1.65 kg

AMPLIFIERS

AMPLIFIERS

PA AMP35E

Compact amplifier: 35W, 4/Ω–70/100V
Speakers overload and short-circuit protection circuit • Led start-up indicator
Main level control (Master)
Separated Level Controls for 1÷2 and AUX inputs
Bass and Treble tone adjustment
2 MIC / MIC Phantom 48V / LINE inputs balanced on Euroblock terminals
1 AUX Line RCA Input • MIC 1 Input with priority function
4 outputs, two at constant impedance (8/4Ω) and two at constant voltage (70/100V)
Power Supply 100-120V~ 50/60Hz (select 115V) or 220-240V~ 50/60Hz (select 230V)
Weight 4.3 Kg

PA AMP60E

Compact amplifier: 60W, 4/Ω–70/100V
Speakers overload and short-circuit protection circuit • Led start-up indicator
Main level control (Master)
Separated Level Controls for 1÷2 and AUX inputs
Bass and Treble tone adjustment
2 MIC / MIC Phantom 48V / LINE inputs balanced on Euroblock terminals
1 AUX Line RCA Input • MIC 1 Input with priority function
4 outputs, two at constant impedance (8/4Ω) and two at constant voltage (70/100V)
Power Supply 100-120V~ 50/60Hz (select 115V) or 220-240V~ 50/60Hz (select 230V)
Weight 5.3 Kg

PA AMP160XL

Professional mixer amplifier 160W - 70/100V- 4Ω
Speaker short-circuit and overload protection circuit
LED power indicator
LED level indicator
Master volume control
Separate level controls for inputs 1÷5
Low and high tone adjustment
Lit knobs
4 MIC/MIC Phantom 24/LINE balanced inputs on Euroblock terminal
3 AUX switchable inputs from front selector
1÷4 Inputs with VOX priority function / Contact on other inputs (selectable by dip-switch)
MAIN - IN/OUT function
3 outputs, one of which at constant 4Ω impedance and two at constant voltage (70/100V)
Independent CHIME function for each input (routing)
REC OUT output on RCA
Balanced line level output on Euroblock terminal
230/117V~ 50/60Hz autoswitch power supply
Fins to fasten to a provided 1U 19" rack
Dimensions (WxHxD): 439x44x300 mm
483x44x300 mm - 1U 19" rack

PA AMP03VR

Compact amplifier 30W, outputs 4/8/16Ω - 100V
MP3 file recorder/player module
Two MIC inputs
One PHONO/AUX input switchable by selector
LED power indicator
Master volume control
Separate MIC1 and MIC2 microphone volume controls
AUX volume control
Low and high tone adjustment
Screw for earth connection
Four outputs, three of which at constant voltage (100V/70V/25V) and one at constant impedance (4W)
MIC1 input priority function
Optional vehicle kit with amplifier fixing bracket and fused power cable
Power supply: 230/117V~ 50-60Hz, 12Vdc
Weight: 4.5 Kg

PA AMP240V4

Four-zone mixer amplifier for 240W overall power.
Four output zones at 100V selectable independently through a front keyboard
Constant impedance outputs (4W) and constant voltage outputs (25, 70, 100 V)
Four MIC/LINE inputs with combo XLR/Jack 6.3mm
24V Phantom power supply on 4 MIC inputs
MIC1 input with vocal activation priority function - VOX
One PRE-OUT output
One AMP-IN input
One RCA input
One LINE OUT output
Output level indication LED range
Hold On and Monitor Outputs
LED peak signal indicator
Input LED signal presence indicator for telephone station call
Low and high tone adjustment Master output volume control
Volume control for each zone
Five independent controls for input signals (INPUT 1÷INPUT 5)
Screw for earth connection
Rear power supply selector 230/117 V~
Power supply: 230/117 V~ 50-60 Hz 24 Vdc
Fins to fasten to a provided 19" 2U rack
Dimensions (WxHxD): 420x 88x340mm
                             483x88x340mm - 19" 2U rack
Weight: 11.8 kg

AMPLIFIERS

PA AUP160D

Professional power unit 160W - 70/100V- 4Ω
Speaker short-circuit and overload protection circuit
LED power indicator
LED level indicator
Master volume control
Low and high tone adjustment
Lit knobs
Balanced LINE input on Euroblock terminal
Balanced LINE output on Euroblock terminal
3 outputs, one of which at constant 4Ω impedance and two at constant voltage (70/100V)
230/117V~ 50/60Hz autoswitch power supply
Fins to fasten to a provided 1U 19″ rack
Dimensions (WxHxD): 439x44x300mm
                              483x44x300mm - 1U 19″ rack

PA AUP240R

Professional power unit, 240W, 8Ω and 50/70/100V outputs
Inputs for one or more BM101 pre-amplified microphone bases with VOX priority function
Additional priority contact command
Connectors for Line signal input
Input for telephone station call
Low and High tone control
Master control
Constant impedance (8Ω) and constant voltage (50/70/100V) outputs
Additional outputs 100V and 24Vdc present only with Paging function
PA-HF filter inserted at the rear
Ground-lift rear selector
230/117Vca 50/60Hz power supply selector
24Vdc emergency power supply
Dimensions (WxHxD): 483x88x300mm - 19″ 2U rack
Weight: 13 kg

PA AUP4125S

4-channel power unit without transformers
Power 4x125W. 4/8Ω 70/100V Outputs
4 constant impedance outputs (4Ω)
4 constant voltage outputs (70/100V) made electronically without the use of output transformers
One balanced input for each channel
One priority balanced input with independent level control for each channel
Independent master control for each channel.
Low and High tone control independent over the 4 channels
Rear insertion independent PA-HF filter for each channel
LED protection indicator
LED signal presence indicator
LED operating mode indicator (4 Ω/70V/100V)
Switching power supply in SMPS technology (switch mode power supply)
Fins to fasten to a provided 19″ 2U rack
Power Consumption: 1000VA
Power supply: 230V~ / 117V~ 50-60Hz
Dimensions (WxHxD): 434 x 88.5x425mm – 19″ 2U rack
Weight: 9.75 kg

PA AUP4250S

4-channel power unit without transformers.
Power 4x250W. 4/8Ω 70/100V Outputs
4 constant impedance outputs (4Ω)
4 constant voltage outputs (70/100V) made electronically without the use of output transformers
One balanced input for each channel
One priority balanced input with independent level control for each channel
Independent master control for each channel.
Low and High tone control independent over the 4 channels
Rear insertion independent PA-HF filter for each channel
LED protection indicator
LED signal presence indicator
LED operating mode indicator (4 Ω/70V/100V)
Switching power supply in SMPS technology
(switch mode power supply) Fins to fasten to a 19″ 2U rack
Power Consumption: 2000VA
Power supply: 230V~ / 117V~ 50-60 Hz
Dimensions (WxHxD): 434x88.5x425mm – 19″ 2U rack
Weight: 10.35 kg

PRE-AMPLIFIERS, MIXER AND PROCESSORS

PRE-AMPLIFIERS, MIXER AND PROCESSORS

PA AMIX54Z

Stereo Matrix/Mixer with 5 line/micro inputs with addressable multimedia module (Tuner FM - MP3 reader)
Five mic/line inputs on balanced COMBO and RCA Stereo
Independent gain control over input channels 1~5 by means of a rear trimmer
Phantom +48V that can be deselected for each input
LED CLIP indicator for each channel input
INPUT1 priority function over the other inputs that can be disabled
Dip-switch (INPUT1~5) to assign the input to the outputs
Independent volume controls (INPUT1~5)
Four balanced stereo zones/outputs on Euroblock terminals
Four signal presence indicators on the outputs
Stereo/Mono selector on each output
Independent volume controls for the four zone outputs
MP3 multimedia player with FM radio freely addressable on the output zones
Ground Lift
Power supply selector 230/117V~ 50/60Hz
Dimensions (WxHxD): 483x44.4x200mm - 19" 1U rack
Weight: 3.4 kg

PA AMIX63

Analogue mixer to mix microphone/line signals, 6 Micro XLR inputs, 3 RCA Line inputs
High-quality design and manufacturing accuracy
Six balanced COMBO mic/line inputs
Three unbalanced RCA stereo line inputs
Line/mic with phantom/mic input type selectors
LED input signal indicators for each channel
Adjustable MIC 1 priority function on the other inpute
Independent gain controls for channels 1~9
Two balanced XLR outputs (Left and Right)
Balanced mono output
RCA type stereo REC output (Left and Right)
LED output signal level indicators (Left and Right)
MASTER volume control
Tone controls
Emergency power terminals (24 V DC)
Power supply selector 230V~ 50/60Hz
(AMIX63V117 117V~ 50/60Hz)
Dimensions (WxHxD): 483x44x195mm 19" 1U rack
Weight: 2.9 kg

PA FSHIFTER

Antilarsen processor
Balanced line input on XLR connector
Unbalanced line input on RCA connector
Balanced line output on XLR connector
Unbalanced line output on RCA connector
LED indication of operating mode
Switch power supply 117/230V~ 50/60Hz
Dimensions (WxHxD): 483x44x195mm - 19" 1U Rack
Weight: 32 kg

AUDIO SOURCE AND RECEIVERS

AUDIO SOURCES AND RECEIVERS

PA SOURCE

CD-USB/MP3 Reader with AM/FM tuner
USB port for MP3 file reading on pen drive
TUNER OUT
Outputs levels: CD/MP3 OUT: 1.2V
TUNER OUT: 1.2V
Controls: CD/MP3 READER CONTROLS
RADIO TUNER CONTROLS
Frequency response:
      CD: 20Hz - 20kHz (-3dB)
       RADIO: 100Hz - 12kHz (-3dB)
Signal/Noise ratio: CD: > 75dB
RADIO: > 65dB
Power supply: 230V~ 50/60Hz (SOURCEUS 117V~ 50/60Hz)
Input/Output connectors: CD/MP3 OUT: 1x RCA L/R
TUNER OUT: 1x RCA L/R
Dimensions (WxHxD): 482x44x250mm - 19" 1U rack
Weight: 3.5 kg

PA ATMP160XL

Combo receiver 160W - 70/100V- 4Ω
USB/SD MMC, BLUETOOTH integrated multimedia module and
Digital AM/FM tuner
Speaker short-circuit and overload protection circuit
LED power indicator
LED level indicator
Master volume control
Separate level controls for inputs 1÷5
Low and high tone adjustment
Lit knobs
4 MIC/MIC Phantom 24/LINE balanced inputs on Euroblock terminal
3 AUX switchable inputs from front selector
1÷4 Inputs with VOX priority function / Contact on other inputs
(selectable by dip-switch)
MAIN - IN/OUT function
3 outputs, one of which at constant 4Ω impedance and two at
constant voltage (70/100V)
Independent CHIME function for each input (routing)
REC OUT output on RCA
Balanced line level output on Euroblock terminal
230/117V~ 50/60Hz autoswitch power supply
Fins to fasten to a provided 19" 2U rack
Dimensions (WxHxD): 439x88x300mm
                483x88 x300mm - 19" 2U rack

SOUND SPEAKERS

SOUND SPEAKERS

PA PR10PL

ABS sound projector
Loudspeaker: Full range
Power: 10/5/2.5W @ 100V
Frequency response: 160Hz-16kHz (-10dB)
SPL (1W/m): 91dB
SPL MAX (Pmax @ 1m): 101dB
Coverage angle 1kHz/4kHz (-6dB): 130°/85°
Colour: White (RAL 9010)
Dimensions: Ø138-H190mm
Weight: 1.9 kg
U-type bracket included
Protection rating: IP55

PA PR10PLB

ABS sound projector
Loudspeaker: Full range
Power: 10/5/2.5W @ 100V
Frequency response: 160Hz-16kHz (-10dB)
SPL (1W/m): 91dB
SPL MAX (Pmax @ 1m): 101dB
Coverage angle 1kHz/4kHz (-6dB): 130°/85°
Colour: Black
Dimensions: Ø138-H190mm
Weight: 1.9 kg
U-type bracket included
Protection rating: IP55

PA PR30PL

ABS waterproof sound projector
Loudspeaker: 5" Full range
Power: 30/15/7.5/3.5/1.5W @ 100V 8Ω
Frequency response: 125Hz-15kHz
SPL (1W/m): 101dB
SPL MAX (Pmax @ 1m): 110 dB
Coverage angle 1kHz/4kHz (-6dB): 130°/90°
Colour: White
Dimensions: Ø178-H200mm
Weight: 2.1 kg
U-type bracket included
Protection rating: IP56

PA HSPL30

Music-type ABS waterproof wide-band Hi-Fi horn
Loudspeaker: Full range
Power: 30/15W @ 100V
Frequency response: 120Hz-15kHz (-10dB)
SPL (1W/m): 98dB
SPL MAX (Pmax @ 1m): 113dB
Coverage angle 1kHz/4kHz (-6dB):
    H: 110°/80°
    V: 90°/80°
Dimensions (WxHxD): 366x172x272mm
U type bracket included
Protection rating: IP56

PA WS04

ABS wall speaker
Loudspeaker: 6' Full range
Power: 10/5W @ 100V
Frequency response: 110Hz-13kHz (-10dB)
SPL (1W/m): 91dB
SPL MAX (Pmax @ 1m): 101dB
Coverage angle 1kHz/4kHz (-6dB): 110º/85º
Colour: White (RAL 9010)
Dimensions (WxHxD): 240x345x101mm
Weight: 1.6 kg
Fixing system by screw

XE65CTX

2-way square wall/ceiling mount speaker in ABS
Loudspeaker: W: 6.5" - T: 1"
Power: 40/20/5/2W @ 100V/70V
        45W @ 8Ω
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 87dB
SPL MAX (Pmax @ 1m): 103dB
Coverage angle 1kHz/4kHz (-6dB): 145°/80°
Colour: White (RAL 9010)
Dimensions (WxHxD): 200x200x77mm
Weight: 1.7 kg
Assembly: Ceiling/wall recessed
Mounting hole (WxH): 176x176mm
Available in pairs (single price)

PA COVER6X

Metal box for XE65CTX

SOUND SPEAKERS

XE51CT

ABS ceiling recessed speaker
Loudspeaker: 5" Full range
Power: 10/5/2.5W @ 100V
Frequency response: 100Hz-20kHz (-10dB)
SPL (1W/m): 90dB
SPL MAX (Pmax @ 1m): 100 dB
Coverage angle 1kHz/4kHz (-6dB): 130°/100°
Colour: White (RAL 9010)
Dimensions (WxHxD): Ø191.5-H78mm
Weight: 1 kg
Assembly: ceiling recessed
Mounting hole: Ø165mm
Available in pairs (single price)

PA COVERCS

Metal box for XE51CT

PA CSE06T

Metal ceiling speaker
Loudspeaker: 5" Full range
Power: 6/3W @ 100V
Frequency response: 110Hz-15kHz (-10dB)
SPL (1W/m): 90dB
SPL MAX (Pmax @ 1m): 98dB
Coverage angle 1kHz/4kHz (-6dB): 150°/95°
Colour: White (RAL 9010)
Dimensions: Ø204-H85mm
Weight: 0.7 kg
Assembly: ceiling recessed
Mounting hole: Ø175mm

XE65CT

ABS 2-way hi-fi ceiling recessed speaker
Loudspeaker: W: 6.5" - T: 1"
Power: 20/10/5/2.5W @ 100V
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 87dB
SPL MAX (Pmax @ 1m): 100 dB
Coverage angle 1kHz/4kHz (-6dB): 130°/80°
Colour: White (RAL 9010)
Dimensions: Ø204-H85mm
Weight: 1.2 kg
Assembly: ceiling recessed
Mounting hole: Ø179mm
Available in pairs (single price)

PA CS30HSL

ABS two-way hi-fi ceiling recessed speaker and magnetic metal grid.
Loudspeaker: W: 6"T: ¾"
Power taps: 30/15/7.5W @ 100V
Frequency response: 60Hz -20KHz
SPL(1W/m): 89 dB
SPL MAX (Pmax @ 1m): 105 dB
Coverage Angle 1KHz/4KHz (-6dB):130°/120°
Construction materials ABS/Iron
Colour: White (RAL 9010)
Dimensions: (Ø x D) 232 x 90 mm
Weight:1.85Kg
Recess Hole: 210mm

PA CS6TALEN

Steel recessed speaker with anti flame steel cover, ceramic terminal board and thermal fuse
Loudspeaker: 6.5" Full range
Power: 12/6/3W @ 100V
Frequency response: 100Hz-20kHz (-10dB)
SPL (1W/m): 90dB
SPL MAX (Pmax @ 1m): 100 dB
Coverage angle 1kHz/4kHz (-6dB): 150°/95°
Colour: White (RAL 9010)
Dimensions: Ø220-H150mm
Weight: 1.6 kg
Assembly: Ceiling recessed
Mounting hole: Ø205mm

PA CSB10

ABS Ceiling speaker
Loudspeaker: 5" Full range
Power: 10/5/2.5W @ 100V-70V
Frequency response: 110Hz - 15kHz (-10 dB)
SPL (1W/m): 92dB
SPL MAX (Pmax @ 1m): 102dB
Coverage angle 1kHz/4kHz (-6dB): 160°/95°
Colour: White (RAL 9010)
Dimensions (WxHxD): Ø184-H162.5mm
Weight: 1.7 kg
4.5 metre suspension cable
Protection rating: IP44

SOUND SPEAKERS

PA CO30S5 🇮🇹

Aluminium high directivity column speaker
Loudspeaker: 5x3"¼
Power: 7.5/15/30 W - 100V
Frequency response: 200Hz-19kHz (-10dB)
SPL (1W/m): 93dB
SPL MAX (Pmax @ 1m): 108dB
Coverage angle 1kHz/4kHz (-6dB): V:70°/20° H:160°/120°
Colour: White
Dimensions (WxHxD): 91x544x88mm
Weight: 3.5 kg

PA CO60S10 🇮🇹

Aluminium high directivity column speaker
Loudspeaker: 10x3"¼
Power: 15/30/60 W @ 100V
Frequency response: 180Hz-18kHz (-10dB)
SPL (1W/m): 93dB
SPL MAX (Pmax @ 1m): 111dB
Coverage angle 1kHz/4kHz (-6dB): V:40°/20° H:160°/120°
Colour: White
Dimensions (WxHxD): 91x94 x88mm
Weight: 6.2 kg

PA SC1

Wall bracket for CO series column speakers

PA CO120S15 🇮🇹

Aluminium high directivity column speaker
Loudspeaker: 10x3"¼
Power: 60/120W
@ 100V Frequency response 170Hz-17kHz (-10dB)
SPL (1W/m): 94dB
SPL MAX (Pmax @ 1m): 115dB
Coverage angle 1kHz/4kHz (-6dB): V:30°/20° H:160°/120°
Colour: White
Dimensions (WxHxD): 91x1339x88mm
Weight: 8.9 kg
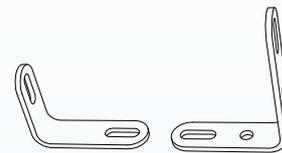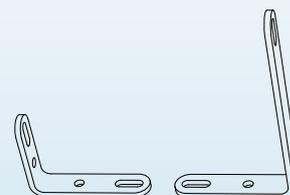
PA SC2

Wall bracket for CO series column speakers

PA CO4006

Aluminium high directivity column speaker
Loudspeaker: W: 6x2" - T: 1"
Power: 40/20/10W @ 100V
Frequency response: 180Hz-18kHz (-10dB)
SPL (1W/m): 91dB
SPL MAX (Pmax @ 1m): 107 dB
Coverage angle 1kHz/4kHz (-6dB): V:40°/30° H:170°/140°
Colour: White
Swivel bracket
Dimensions (WxHxD): 67x505x65mm
Weight: 2.2 kg

PA CO4012

Aluminium high directivity column speaker
Loudspeaker: W:12x2" - T: 1"
Power: 40/20/10W @ 100V
Frequency response: 180Hz-18kHz (-10dB)
SPL (1W/m): 93dB
SPL MAX (Pmax @ 1m): 109 dB
Coverage angle 1kHz/4kHz (-6dB): V:30°/25° H:170°/150°
Colour: White
Swivel bracket
Dimensions (WxHxD): 67x828x65mm
Weight: 3.5 kg

SOUND SPEAKERS

PA HS15AL

Aluminium horn speaker
Power: 15/10/5/3/1W @ 100V
Frequency response: 280Hz-12.5kHz (-10dB)
SPL (1W/m): 108dB
SPL MAX (Pmax @ 1m): 120dB
Coverage angle 1kHz/4kHz (-6dB): 90°/60°
Colour: Grey
Dimensions: Ø212.5x229.5mm
Weight: 1.4 kg
U-type bracket included
Protection rating: IP55

PA HS30AL

Aluminium horn speaker
Power: 30/15/10/5/3/1W @ 100V
Frequency response: 250Hz-16kHz (-10dB)
SPL (1W/m): 109dB
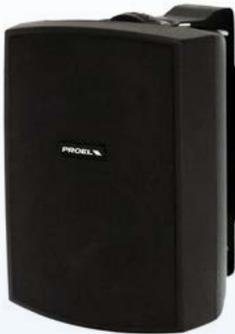SPL MAX (Pmax @ 1m): 124dB
Coverage angle 1kHz/4kHz (-6dB): 90°/60°
Colour: Grey
Dimensions: Ø259x261mm
Weight: 1.8 kg
U-type bracket included
Protection rating: IP55

PA H16R

Long range aluminium round horn, without driver Anti UV
treatment
To be used combined with HD60T driver
Coverage angle 1kHz/4kHz (-6dB): 80à/65°
Aluminium body
Colour: Grey
Dimensions: Ø407x325mm
Weight: 1.5 kg
U-type bracket included
Protection rating: IP66

PA HD60T

Waterproof driver unit for "H" series horns
Power: 60/40/20W @ 100V
Frequency response: 200Hz-6kHz (-10dB)
SPL (1W/m): 115dB
SPL MAX (Pmax @ 1m): 133dB
Colour: Grey
Weight: 1.4 kg
Protection rating: IP55

PA HS30

ABS horn speaker
Power: 30/15/10/5/3/1W @ 100V
Frequency response: 250Hz-16kHz (-10dB)
SPL (1W/m): 109dB
SPL MAX (Pmax @ 1m): 124dB
Coverage angle 1kHz/4kHz (-6dB): 95°/65°
Colour: White (RAL 9010)
Dimensions (WxHxD): 287x208x257.5mm
Weight: 1.7 kg
U-type bracket included
Protection rating: IP55

PA STONE

Stone-shape speaker
Loudspeaker: Two-way coaxial W:6.5" - T:1.5"
Power: 15/7.5W @ 100V - 7.5/3.8W @ 70V
Frequency response: 120Hz -15kHz (-10dB)
SPL (1W/m): 95dB
SPL MAX (Pmax @ 1m): 108dB
Coverage angle 1kHz/4kHz (-6dB): 250°/250°
ABS body
Colour: Light grey stone
Dimensions (WxHxD): 259x265x349mm
Weight: 4.3 kg
Protection rating: IP 55

PA FGS20

Hi-Fi garden speaker
Loudspeaker: Two-way coaxial
Power: 30/15/7.5W @ 100V
Frequency response: 80Hz-12kHz (-10dB)
SPL (1W/m): 97dB
SPL MAX (Pmax @ 1m):110dB
Coverage angle 1kHz/4kHz (-6dB): 360°/360°
ABS body
Colour: Green
Dimensions (WxHxD): 280x400x280mm
Weight: 1.8 kg
Protection rating: IP55

SOUND SPEAKERS

XE35TB

Two-way monitor speaker
Loudspeaker: W: 3.5"T: 1"
Power: 15/7.5/4/2/1W @ 100/70V
        30W @ 8Ω
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 85 dB
SPL MAX (Pmax @ 1m): 97 dB
Coverage angle 1kHz/4kHz (-6dB): 150°/100°
ABS body
Colour: Black
Dimensions (WxHxD): 130x198x130mm
Weight: 1.8 kg
U-type bracket included
Available in pairs (single price)

XE55TB

Two-way monitor speaker
Loudspeaker: W: 5"- T: 1"
Power: 30/10/5/2/1W @ 100/70V
        60W @ 8Ω
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 87dB
SPL MAX (Pmax @ 1m): 101dB
Coverage angle 1kHz/4kHz (-6dB): 140°/90°
ABS body
Colour: Black
Dimensions (WxHxD): 181x240x172mm
Weight: 3 kg
U-type bracket included
Available in pairs (single price)

XE65TB

Two-way monitor speaker
Loudspeaker: W: 6.5"- T: 1"
Power: 40/20/10/5/2W @ 100/70V
        60W @ 8Ω
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 87dB
SPL MAX (Pmax @ 1m): 103dB
Coverage angle 1kHz/4kHz (-6dB): 140°/90°
ABS body
Colour: Black
Dimensions (WxHxD): 217x288x204mm
Weight: 4.2 kg
U-type bracket included
Available in pairs (single price)

PA SNBK

Adjustable wall swivel connection for Monitor line.
Colour Black. Standard package: 2pcs

XE35TW

Two-way monitor speaker
Loudspeaker: W: 3.5″ - T: 1″
Power: 15/7.5/4/2/1W @ 100/70V
           30W @ 8Ω
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 85dB
SPL MAX (Pmax @ 1m): 97 dB
Coverage angle 1kHz/4kHz (-6dB): 150°/100°
ABS body
Colour: White
Dimensions (WxHxD): 130x198x130mm
Weight: 1.8 kg
U-type bracket included
Available in pairs (single price)

XE55TW

Two-way monitor speaker
Loudspeaker: W: 5″ - T: 1″
Power: 30/10/5/2/1W @ 100/70V
           60W @ 8Ω
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 87dB
SPL MAX (Pmax @ 1m): 101dB
Coverage angle 1kHz/4kHz (-6dB): 140°/90°
ABS body
Colour: White
Dimensions (WxHxD): 181x240x172mm
Weight: 3 kg
U-type bracket included
Available in pairs (single price)

XE65TW

Two-way monitor speaker
Loudspeaker: W: 6.5″ - T: 1″
Power: 40/20/10/5/2W @ 100/70V
           60W @ 8Ω
Frequency response: 70Hz-20kHz (-10dB)
SPL (1W/m): 87dB
SPL MAX (Pmax @ 1m): 103dB
Coverage angle 1kHz/4kHz (-6dB): 140°/90°
ABS body
Colour: White
Dimensions (WxHxD): 217x288x204mm
Weight: 4.2 kg
U-type bracket included
Available in pairs (single price)

PA SNWH

Adjustable wall swivel connection for Monitor line.
Colour White. Standard package: 2pcs

LNE SYSTEMS

LNE SYSTEMS

DS112P 🇮🇹   € 1.285,00

LNE SYSTEM Low Noise Emission
Two-way high directivity System MTM circular configuration
Input power rating (continuous): 300W (8Ω)
Input power rating (peak): 600W (8Ω)
Impedance: 8Ω
Frequency response: 110Hz-16kHz (-3dB), 80Hz-18kHz (-10dB)
SPL MAX (Pmax @ 1m): 124dB
Low frequencies: 12 x 3.5"
High frequencies: 1 x 1" compression driver
Coverage angle: <78°
Colour: Standard RAL 9007
Colour Custom: (RAL CODE) Minimum 20 pcs
Weight: 9 kg
Dimensions: Ø510-H208mm
Protection rating: IP55
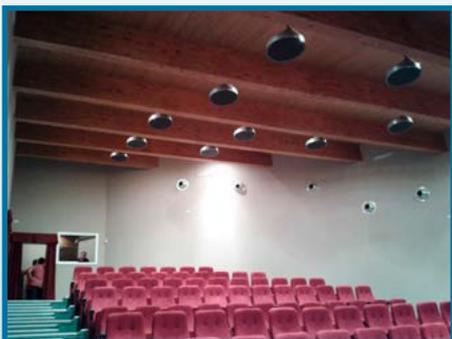
MICROPHONES

MICROPHONES

PA BM101 🇮🇹

General announcement active call station with automatic compressor, dynamic microphone, programmable talk button (PTT or ON/OFF), level output adjustment trimmer, chime level trimmer, selectable 2 or 3 tone chime and smart priority management. Power supply from RJ45 cable or 24Vdc local adaptor.

PA BM102 🇮🇹

General announcement call station with dynamic microphone, Push to talk button and priority output contact (Normally Open).

PA BMG2

Table microphone base, with gooseneck microphone with light ring
Sensitivity: -40dB ± 2dB / 100Ω ±30%
Frequency response: 40Hz-20kHz (-3dB)
Power supply: Phantom 48Vdc Batteries 3V (2x AA)
Gooseneck length: 445 mm
Switch: ON-OFF
Connector: XLR
Dimensions (WxHxD): 115x140x30mm
Weight: 0.7 kg

PA MIC62W

Boundary condenser microphone
table or wall low profile
Condenser capsule
One-way
Frequency response: 60Hz-16kHz
Sensitivity: -36±3dB @ 1kHz
Impedance: 200Ω±30% - @1kHz
Voltage: 9V~52Vdc
Cable length: 4.56m
Weight: 0.250Kg (without cable)
Dimensions (WxHxD): 75x20x100mm
Colour: White

PA MG400

One-way electret gooseneck microphone
Sensitivity: 7mV/Pa
Impedance: 200Ω balanced
Frequency response: 150Hz18kHz (-3dB)
Phantom power supply: 12-52Vdc
Gooseneck length: 400mm
Connector: XLR
Dimensions: H400mm

PA MG500

One-way, electret gooseneck microphone
Sensitivity: 7mV/Pa
Impedance: 200Ω balanced
Frequency response: 150Hz-18kHz (-3dB)
Phantom power supply: 12-52Vdc
Gooseneck length: 500mm
Connector: XLR
Dimensions: H500mm

PA BM103T

Microphone base for gooseneck MG300/400/500,
connectors XLR-3P. BISTABLE ON/OFF KEY

PA BMS4

Metal base, table mounting by screws, XLR connector

PA UHFSPLITAL

Active UHF antenna active distributor
Working frequency: 600-740MHz
Power Supply: 110-230V~ 50/60Hz - 12Vdc adapter
Dimensions (WxHxD): 482x44x200mm
Weight: 1.7 kg

RACK AND ACCESSORIES

RACK AND ACCESSORIES

STUDIORKXL08

19" Standard 8 Unit professional Rack container, matt black painted steel, 4 castors
Dimensions (WxHxD): 560x467x580mm
Weight: 17,9 Kg

PXCOVER08N

Plexiglass door for 8-unit STUDIORKXL

STUDIORKXL12

19" Standard 12 Unit professional Rack container, matt black painted steel, 4 castors
Dimensions (WxHxD): 560x646x580mm
Peso: 21,7 Kg

PXCOVER12N

Plexiglass door for 12-unit STUDIORKXL

STUDIORKXL36

19" Standard 36 Unit professional Rack container, matt black painted steel, 4 castors
Dimensions (WxHxD): 560x1718x580mm Peso: 39 Kg

PXCOVER36N

Plexiglass door for 36-unit STUDIORKXL

PA STF1

Bracket for heavy apparatus racks using purposes (AUP120/240/480/AUP4125/4250s etc.). Suitable for STUDIORKXL series rack

FSR2260

19" Standard 22 Unit professional Rack container, matt black painted steel, with openable door, sides and back, 4 castors. Top with fan unit with thermostat.
Dimensions (WxHxD): 600x1093x600mm

FSR2760

19" Standard 27 Unit professional Rack container, matt black painted steel, with openable door, sides and back, 4 castors. Top with fan unit with thermostat.
Dimensions (WxHxD): 600x1313x600mm

FSR3260

19" Standard 32 Unit professional Rack container, matt black painted steel, with openable door, sides and back, 4 castors. Top with fan unit with thermostat.
Dimensions (WxHxD): 600x1533x600mm

FSR3760

19" Standard 37 Unit professional Rack container, matt black painted steel, with openable door, sides and back, 4 castors. Top with fan unit with thermostat.
Dimensions (WxHxD): 600x1753x600mm

FSR4260

19" Standard 42 Unit professional Rack container, matt black painted steel, with openable door, sides and back, 4 castors. Top with fan unit with thermostat.
Dimensions (WxHxD): 600x2000x600mm

FSRSHELF02

19' rack metal sliding shelf to be used on the new FSR rack cabinets only Matt black finish

RACK AND ACCESSORIES

PA ACC 🇮🇹

50A Circuit breaker main switch 19" Rack panel with 6 VDE sockets. 1 Modular unit height.

SDC308R

1U horizontal feeding bar made of aluminium profile and flame retardant thermoplastic parts. Features n.8 x 16A 230V 2P +G. Schuko outlet with red lighting switch; 2.5 m length 3 x 1.5 mm2 power cable and 16A 2P + G Schuko plug (230V, CE 73/23). Max capacity: 3500W. Equipped with universal metal fins, for mounting on 19"rack cabinets.

RK3L

3-unit 19" rack blank panel

RK4L

4-unit 19" rack blank panel

RK1L

1-unit 19" rack blank panel

RK2L

2-unit 19" rack blank panel

RK1NV

19" 1 rack unit ventilation panel

RK2NV

19" 2 rack unit ventilation panel

RK4N

19" 1U Rack Panel
4 Plug mounting holes for XLR/SPEAKON panel

RK6N

19" 1U Rack Panel
6 Plug mounting holes for XLR/RCA/SPEAKON panel

RK8N

19" 1U Rack Panel
8 Plug mounting holes for XLR/RCA/SPEAKON panel

RK12N

19" 1U Rack Panel
12 Plug mounting holes for XLR/RCA/SPEAKON panel

RK2VP

2-unit back protection Rack panel
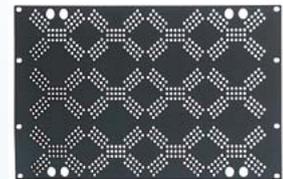
RK6VP

6-unit back protection Rack panel
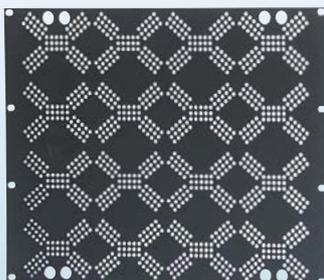
RK8VP

8-unit back protection Rack panel

RACK AND ACCESSORIES

ADRK2AZ

19" 2U rack assembly shelf/adapter

ADRK3AZ

19" 3U rack assembly shelf/adapter

ADRK3CR

Lockable 19" 3U rack metal drawer

ADRK4CR

Lockable 19" 4U rack metal drawer

VOLUME CONTROLS

VOLUME CONTROLS

PA TRV12A

Recessed volume attenuator for 100V lines. 12W transformer on European square box. With 24Vdc bypass relay.

PA TRV50A

Recessed volume attenuator for 100V lines. 50W transformer on European square box. With 24Vdc bypass relay.

PA TRV6B

Recessed volume attenuator for 100V lines. 6W transformer on 503 box. With 24Vdc bypass relay.

PA TRV30B

Recessed volume attenuator for 100V lines. 30W transformer on 503 box. With 24Vdc bypass relay.

PA TRV60B

Recessed volume attenuator for 100V lines. 60W transformer on 503 box. With 24Vdc bypass relay.

PA TRV120B

Recessed volume attenuator for 100V lines. 120W transformer on 503 box. With 24Vdc bypass relay.

PA TR50ST

Stereo volume attenuator for 4/8/16Ω speakers, 12 positions, 2x50W maximum power handling, dedicated box for flush mounting.

LINE TRANSFORMERS

LINE TRANSFORMERS
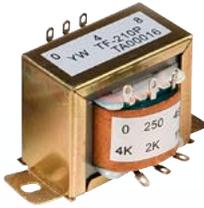
PA TR40

Audio transformer: 100V-24/12/6/3/1.5W
Primary impedance: 416-816-1660-3300-6600Ω
Secondary impedance: 8-4Ω

PA TR100

Audio transformer: 100V-40/20/10/5/2.5W
Primary impedance: 250-490-1000-2000-4000Ω
Secondary impedance: 8-4Ω

PA MATCHBOX 🇮🇹

Universal audio adapter and decoupler with isolation transformer.
LINE/LINE - 100V/LINE

ALPHABETICAL INDEX

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NOTE

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