
Krea
2027 CATALOGUE



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# EN54 EVACUATION SYSTEMS

# EN54 EVACUATION SYSTEMS



## KR-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



## KR-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



## KR-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.



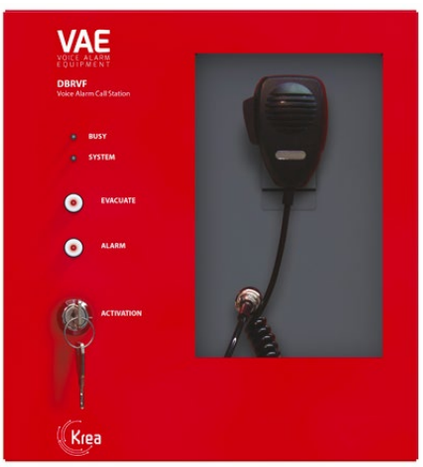
## KR-DBE06

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.



## KR-DBE108E

Fully monitored Ethernet desk call station according to **EN54-16**. Connects to networkable Krea 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 via local 24 VDC power adapter.




## KR-DBEVFR1

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.


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# SPEAKERS FOR EN54 EVAC APPLICATIONS

# SPEAKERS FOR EN54 EVAC APPLICATIONS

## ARTIA SERIES





### KR-A51TB - KR-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 °C (-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**
**KR-A51TB:** Black Color
**KR-A51TW:** White Color

### KR-A31TB - KR-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 °C (-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**
**KR-A31TB:** Black Color
**KR-A31TW:** White Color

# ARTIA SERIES





## KR-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**

## KR-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 SERIES





### KR-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**

### KR-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**



### KR-AIW50FRAME

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

# ARTIA SERIES



## KR-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) 160 - 20k Hz (on wall)
Sensitivity at 1W (1 kHz, 1m / 4m): 96,3 / 84,3 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**



## KR-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

ARTIA SERIES





## KR-ACO12T

System Type: Column Speaker
Drivers: 1" tweeter - 12x2" woofer
Rated Noise Power 100h: 40 W
Power rating @ 100V: 40 / 20 / 10 W
Power rating @ 70V: 20 / 10 / 5 W
Impedance: 250 / 500 / 1K Ω @ 100V
250 / 500 / 1K Ω @ 70V
Connector: Ceramic Terminal block
Power selection: On Terminal Block
Frequency Response (-10 dB): 180 - 18k Hz
Sensitivity at 1W (Pink, 1m / 4m): 87 / 75 dB
Max SPL (Pink, 1m / 4m): 103 / 91 dB
Coverage Angle at 500 / 1k / 2k / 4k Hz (-6dB):
H 180° / 180° / 180° / 120°
V 120° / 60° / 30° / 30°
Cabinet: White (RAL 9016)
Material: Aluminium
Environmental Type: A (IP44C)
Operating Temperature: -10 ÷ +55 °C (+14 ÷ +131 °F)
Relative humidity: <95%
Dimensions (mm): 78 x 828 x 66 (W x H x D)
Mounting: on wall using supplied bracket
Weight: 3.5 kg (7.71 lb)
Standard Compliance:**EN54-24:2008**

## KR-WS50EN

System Type: Wall / Ceiling Speaker
Drivers: 5" woofer
Rated Noise Power 100h: 6 W
Power rating @ 100V: 6 / 3 / 1.5 / 0.75 W
Power rating @ 70V: 6 / 3 / 1.5 / 0.75 / 0.375 W
Impedance: 1.7K / 3.4K / 6.7K / 13K Ω @ 100V
850 / 1.7K / 3.4K / 6.7K / 13K Ω @ 70V
Connector: Ceramic Terminal Block
Power selection: On Transformer Terminal
Measure Environment: Free field on standard baffle
Frequency Response (-10 dB): 170 - 10k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 93 / 81 dB
Sensitivity at 1W (Pink Noise 6dB Crest Factor, 1m / 4m): 90 / 78 dB
Max SPL (Pink Noise 6dB Crest Factor, 1m / 4m): 97 / 85 dB
Coverage Angle at 500 / 1k / 2k / 4k Hz (-6dB):
Hor.: 130° / 120° / 100° / 70°
Vert: 130° / 120° / 100° / 70°
Cabinet. White (RAL 9016)
Material: ABS / Aluminium
Environmental Type: A
Protection Degree: IP21C
Operating Temperature: -10 ÷ +40 °C (+14 ÷ +104 °F)
Relative humidity: < 95%
Dimensions (mm): 265 x 165 x 77 (W x H x D)
Mounting: Wall / Ceiling
Weight: 0.96 kg (2.12 lb)
Standard Compliance: **EN54-24:2008**

# ARTIA SERIES





## KR-AHS30T

System Type: Horn Speaker
Drivers: 1.4" compression driver
Power Rating @ 8Ω (nominal): 30 W
Rated Noise Power 100h: 30 W
Power rating @ 100V: 30 / 15 / 7.5 / 3.75 W
Power rating @ 70V: 30 / 15 / 7.5 / 3.75 / 1.9 W
Impedance: 8 Ω
333 / 666 / 1.33k / 2.67k Ω @ 100V
163 / 333 / 666 / 1.33k / 2.67k Ω @ 70V
Connector: Ceramic Terminal block
Power selection: Rotary Switch
Frequency Response (-10 dB): 290 - 11k Hz
Sensitivity at 1W (Pink, 1m / 4m): 104 / 92 dB
Max SPL (Pink, 1m / 4m): 119 / 107 dB
Coverage Angle at 500 / 1k / 2k / 4k Hz (-6dB): 180° / 100° / 80° / 45°
Cabinet: White (RAL 9016)
Material: ABS
Environmental Type: B (IP55C)
Operating Temperature: -25 ÷ +70 °C (-13 ÷ +158 °F)
Relative humidity: <95%
Dimensions (mm): 285 x 280 x 205 (W x H x D)
Mounting: on wall using supplied bracket
Weight: 1.9 kg (4.18 lb)
Certification: **EN54-24:2008**

## KR-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**


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# INTERCOMS

# INTERCOMS



## KR-INCOM2

Intercom System for glass counter
Inputs: 2 x MIC
Output: 1x LINE, 1x REC, 1x SPEAKER
Speakers: 2 x 1.5" 4 ohm 3W
Controls: 1 external speakers level – 1 internal speakers level
1 external mic gain – 1 internal mic gain
Frequency Response 300Hz – 10kHz (-3dB)
Power Supply: 12 Vdc 500 mA by Adapter Power Supply 100-240 V~ 50/60 Hz (supplied)
Dimensions (W x H x D): Main base: 110 x 41 x 135 mm
Mic Gooseneck: Ø 13 x 365 mm External unit: Ø 171 x 18 mm
Construction: ABS - Aluminium
Weight: 0.7 Kg (complete system)



# CONFERENCE SYSTEMS

# CONFERENCE SYSTEMS



## KR-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



## KR-CONFDR

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 level control
Unit monitor loudspeaker level control
Integrated audio recording and playback module with Bluetooth connectivity
MALE-FEMALE 13m 8-Pin extension cable supplied



## KR-DCM

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 and OLED Display.
2m+1,5m Long Y-connector cable provided.
Base Dimensions (WxHxD): 210x52 x138mm
Gooseneck length: 420mm
Weight: 0.7 kg



## KR-DDM

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 and OLED Display.
2m+1,5m Long Y-connector cable provided.
Base Dimensions (WxHxD): 210x52 x138mm
Gooseneck length: 420mm
Weight: 0.7 kg



## KR-CVMF13

MALE-FEMALE 13 m 8-Pin extension cable.



## KR-CVMF6

MALE-FEMALE 6 m 8-Pin extension cable.



## KR-CVMF3

MALE-FEMALE 3 m 8-Pin extension cable.



## KR-CVMM3

MALE-MALE 3 m 8-Pin extension cable.





# AMPLIFIERS

# AMPLIFIERS



## KR-ATMP240Z6XL

240W 6-Zone Mixer Amplifier with Media Player equipped with USB input, Bluetooth connection, WiFi interface and remote control
Zone paging function through dedicated KR-RM6 microphone base (optional)
Overload and short circuit protection for eachspeaker outputs
LED power indicator
LED audio level indicator
Master level control
Separated Level Controls for 1÷6 zones and AUX inputs
Bass and Treble tone adjustment
MediaPlayer equipped with remote control
N° 4 MIC / MIC Phantom 48V / LINE inputsbalanced on Euroblock terminals
N° 2 AUX inputs switchable by front selector
Inputs 1 ÷ 4 with independent priority function(VOX / Contact) on the other inputs selectable by dipswitch 1 ÷ 4
Main power output 4Ω / 70 / 100V on Euroblockterminal
N° 6 zone outputs at 100V on Euroblock terminal.
N° 6 zone outputs at line level balanced onEuroblock terminal
Independent CHIME function for each input(routing)
REC OUT on RCA.
230 / 115 V~ 50 / 60 Hz power supply via voltageselector
19" 2U rack adapters included



## KR-ATMP480Z6XL

480W 6-Zone Mixer Amplifier with Media Player equipped with USB input, Bluetooth connection, WiFi interface and remote control
Zone paging function through dedicated KR-RM6 microphone base (optional)
Overload and short circuit protection for eachspeaker outputs
LED power indicator
LED audio level indicator
Master level control
Separated Level Controls for 1÷6 zones and AUX inputs
Bass and Treble tone adjustment
MediaPlayer equipped with remote control
N° 4 MIC / MIC Phantom 48V / LINE inputsbalanced on Euroblock terminals
N° 2 AUX inputs switchable by front selector
Inputs 1 ÷ 4 with independent priority function(VOX / Contact) on the other inputs selectable by dipswitch 1 ÷ 4
Main power output 4Ω / 70 / 100V on Euroblockterminal
N° 6 zone outputs at 100V on Euroblock terminal.
N° 6 zone outputs at line level balanced onEuroblock terminal
Independent CHIME function for each input(routing)
REC OUT on RCA.
230 / 115 V~ 50 / 60 Hz power supply via voltageselector
19" 2U rack adapters included



## KR-RM6

Paging Base for announcement on 4 zones, designed to be used with the ATMP240ZXL amplifier. It can make a microphone call on single zones, on a group of zones or on all zones.
ALL key for selecting all zones at the same time
Zone keys for selecting each single zone or groups of zones
TALK key for making the announcement
LED indicators
CHIME key to activate / deactivate the attention tone



## KR-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




## KR-ATMP30

Compact amplifier: 35W, 4/Ω–70/100V
Media player with USB MP3, Bluetooth and FM radio.
Current limiting, over current and thermal protection circuits.
Led start-up and level indicator.
Main level control (Master).
Separated Level Controls for 1÷2 and CH3 Aux/Media player inputs.
Bass and Treble tone adjustment.
2 MIC / MIC Phantom 24V / LINE inputs balanced on Euroblock terminals.
1 AUX Line RCA/Minijack Input.
MIC 1 Input with priority function.
3 outputs,one at constant impedance (4 Ω) and two at constant voltage (70 / 100 V).




## KR-ATMP60

Compact amplifier: 60W, 4/Ω–70/100V
Media player with USB MP3, Bluetooth and FM radio.
Current limiting, over current and thermal protection circuits.
Led start-up and level indicator.
Main level control (Master).
Separated Level Controls for 1÷2 and CH3 Aux/Media player inputs.
Bass and Treble tone adjustment.
2 MIC / MIC Phantom 24V / LINE inputs balanced on Euroblock terminals.
1 AUX Line RCA/Minijack Input.
MIC 1 Input with priority function.
3 outputs,one at constant impedance (4 Ω) and two at constant voltage (70 / 100 V)

# AMPLIFIERS



## KR-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



## KR-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



## KR-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





## KR-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

## KR-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



# SOUND SPEAKERS

# SOUND SPEAKERS



## KR-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



## KR-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



## KR-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



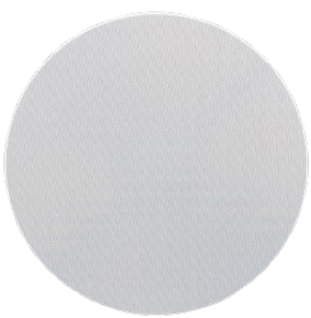
## KR-CSE06T

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



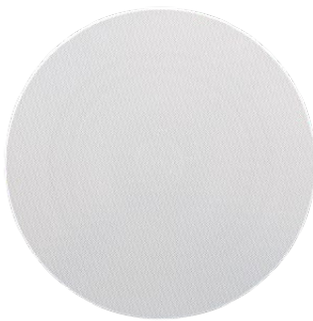
## KR-CS602WIFI

Stereo system consisting of two premium 2-way 6.5" ceiling speakers, one active and one passive.
6.5" Kevlar low frequency driver with rubber suspension.
1" pivoting aluminum dome tweeter with EOS waveguide design.
LF amplifier 50W @4ohm x2, HF amplifier 15W @8ohm x2.
Streaming music via ETHERNET network (WIFI and WIRED) with no distance limitation or thru BLUETOOTH 5.0 up to 15 meters.
High quality music streaming with sample rate decoding up to 192kHz, 24bit.
Supports streaming source from online services, smart device memory, NAS, BLUETOOTH and line in.
Spotify, Airplay, Qplay, DLNA, UPnP streaming protocols supported, 3rd party app compatible.
Multiroom and multizone streaming enabled by multiple units connected in the same network.
Free iOS and Android app available with global online update for new features.
Spotify, Deezer, Tidal, Qobuz, iHeartRadio, TuneIn, Napster online streaming services integrated to use in the app.
PC streaming from iTunes.
Analogue input for connecting external audio devices.
EQ adjustment via app.



## KR-CSF61

Ceiling Speaker
Speakers: 6" woofer - 1" tweeter
Power @ 100V: 15 / 7.5 / 3.75 W
Power @ 70V: 40 / 20 / 10 / 5 / 2.5 W
Impedance: 250 / 500 / 1K / 2K Ω @ 100V
125 / 250 / 500 / 1K / 2K Ω @ 70V
Frequency Response (-10 dB): 60 - 20k Hz
SPL (1W/m): 89 ±3 dB
MAX SPL (Pmax @ 1m): 105 ±3 dB
Coverage Angle @ 1k / 4k Hz (-6 dB): 160° / 60°
Finish: White (RAL 9010)
Material: ABS / Steel
Dimensions (mm): 234 x 87 mm (Φ x H)
Mounting: Ceiling mount (cut-out Φ 215 mm)
Weight: 1.69 kg



## KR-CSF61HF

Ceiling Speaker
Speakers: 6" woofer - 1" tweeter
Rated Power @ 8 Ω: 30 W
Power @ 100V: 30 / 15 / 7.5 / 3.75 W
Power @ 70V: 30 / 15 / 7.5 / 3.75 / 1.9 W
Impedance: 8 Ω (nominal)
333 / 666 / 1333 / 2666 Ω @ 100V
163 / 333 / 666 / 1333 / 2666 Ω @ 70V
Connector: Push terminals for wires
Power Selection: Rotary selector
Frequency Response (-10 dB): 90 - 20k Hz
Sensitivity @ 1 W (1 kHz, 1m / 4m): 90 / 78 dB
Maximum SPL (Pink Noise, 6 dB Crest Factor, 1m / 4m): 105 / 93 dB
Coverage Angle @ 1k / 4k Hz (-6 dB): 180° / 40°
Finish: White (RAL 9016)
Material: ABS / Steel
Environment Type: A
Ingress Protection: IP21C
Dimensions (mm): 234 x 153 (Φ x H)
Mounting: Ceiling mount (cut-out Φ 215 mm)
Weight: 2.35 kg

# SOUND SPEAKERS



## KR-CS8SUB

50W @ 100V Ceiling Subwoofe
Driver: 8" woofer
Power Rating @ 8 Ω: 50 W
Rated Noise Power 100h: 100 W
Power rating @ 100V: 50 W
Impedance:
8 Ω (nominale)
200Ω @ 100V
Connector: Wire Push Terminal Block
Power selection: Rotary Switch
Measure Environment: Half Space on standard baffle
Frequency Response (-6 dB): 80 - 220 Hz
Sensitivity at 1W (100 Hz, 1m / 4m): 91 / 79 dB
Sensitivity at 1W (Pink Noise 6dB Crest Factor, 1m / 4m): 88 / 76 dB
Max SPL (Pink Noise 6dB Crest Factor, 1m / 4m): 108 / 96 dB
Coverage Angle at 100 Hz (-6dB)
Horiz.: 180°
Vert: 180°
Cabinet: White (RAL 9016)
Material: ABS / Iron
Environmental Type: A
Protection Degree: IP21C
Operating Temperature: -10 ÷ +40 °C (+14 ÷ +104 °F)
Relative humidity: < 95%
Dimensions (mm): 285 x 190 (Φ x H)
Mounting: Ceiling (250 mm / 9.8" hole)
Weight: 3.7 kg



## KR-CS81HF

Ceiling Speaker
Drivers: 8" woofer - 1" tweeter
Power Rating @ 8 Ω (nominal): 40 W
Rated Noise Power 100h: 40 W
Power rating @ 100V: 40 / 20 / 10 / 5 W
Power rating @ 70V: 40 / 20 / 10 / 5 / 2.5 W
Impedance: 8 Ω (nominal): 250 / 500 / 1K / 2K Ω @ 100V
125 / 250 / 500 / 1K / 2K Ω @ 70V
Connector: Wire Push Terminal Block
Power selection: Rotary Switch
Frequency Response (-10 dB): 80 - 22k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 90 / 78 dB
Sensitivity at 1W (Pink Noise 6dB Crest Factor, 1m / 4m): 87 / 75 dB
Max SPL (Pink Noise 6dB Crest Factor, 1m / 4m): 105 / 93 dB
Coverage Angle at 500 / 1k / 2k / 4k Hz (-6dB):
Hor.: 130° / 120° / 100° / 70°
Vert: 130° / 120° / 100° / 70°
Cabinet: White (RAL 9016)
Material: ABS / Iron
Environmental Type: A
Protection Degree: IP21C
Operating Temperature: -10 ÷ +40 °C (+14 ÷ +104 °F)
Relative humidity: < 95%
Dimensions (mm): 280 x 190 (Φ x H)
Mounting: Ceiling (250 mm / 9.8" hole)
Weight: 2.8 kg (6.17 lb)



## KR-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



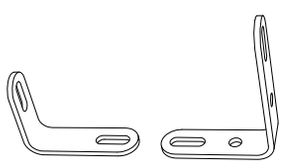
## KR-CO120S15

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



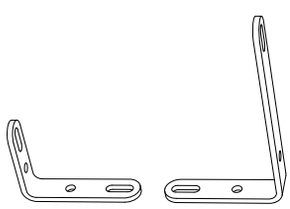
## KR-CO60S10

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



## KR-SC1

Wall bracket for CO series column speakers



## KR-SC2

Wall bracket for CO series column speakers

# SOUND SPEAKERS



## KR-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



## KR-HS30T

ABS horn speaker
Power: 30/15/7.5/3.75W @ 100V
Frequency response: 300Hz-6kHz (-10dB)
SPL (1W/m): 104dB
SPL MAX (Pmax @ 1m): 119dB
Coverage angle 1kHz/4kHz (-6dB): H:113°/33° -
V: 105° / 22°
Colour: White (RAL9010)
Dimensions (WxHxD): 285 x 205 x 285mm
Weight: 2.1Kg
U-type bracket included
Protection rating: IP55





## KR-GS62

Outdoor Speaker
Drivers: 6" woofer - 0.75" tweeter
Rated Noise Power 100h: 30 W
Power rating @ 100V: 30 / 15 W
Power rating @ 70V: 15 / 7.5 / W
Impedance: 333 / 667 Ω @ 100V
333 / 667 Ω @ 70V
Power selection: On Wires
Frequency Response (-10 dB): 95 - 13k Hz
Sensitivity at 1W (1 kHz, 1m / 4m): 82 / 70 dB
Sensitivity at 1W (Pink Noise 6dB Crest Factor, 1m / 4m): 79 / 67 dB
Max SPL (Pink Noise 6dB Crest Factor, 1m / 4m):96 / 84 dB
Coverage Angle: Hor.: 360° - Vert: 180°
Cabinet: Dark Brown (RAL 8022)
Material: Glass Fiber Reinforced Plastic / Aluminium
Environmental Type: B
Protection Degree: IP56C
Operating Temperature: -25 ÷ +70 °C (-13 ÷ +158 °F)
Relative humidity: < 100%
Dimensions (mm): 270 x 320 (Φ x H)
Mounting: Garden Ground Floor
Weight: 5.4 kg (11.9 lb)



## KR-STONE30

Stone-shape speaker
Loudspeaker: Two-way coaxial W:6.5" - T: ¾"
Power: 30/15W @ 100V - 15/7.5W @ 70V
Frequency Response (-10 dB): 95Hz -13.5kHz
Sensitivity at 1W (1 kHz, 1m/4m): 88 / 76dB
Max SPL (Pink Noise 6dB Crest Factor, 1m/4m): 102/90dB
Material Glass Fiber Reinforced Plastic / Aluminium
Colour: Brown
Dimensions (WxHxD): 255x245x230mm
Weight: 3.5kg
Protection rating: IP 56



# SOUND SPEAKERS



## KR-MWS41W

Two-way monitor speaker
Loudspeaker: W: 4″T: ½″
Power: 20/10W @ 100 - 10/5W@70V
20W @ 16Ω
Frequency response: 110Hz-20kHz (-10dB)
SPL (1W/m): 83 dB
SPL MAX (Pmax @ 1m): 96 dB
Coverage angle 1kHz/4kHz (-6dB): 180°/40°
ABS body
Colour: White
Dimensions (WxHxD): 132x132x126mm
Weight: 1.5 kg
Bracket included



## KR-MWS41B

Two-way monitor speaker
Loudspeaker: W: 4″T: ½″
Power: 20/10W @ 100 - 10/5W@70V
20W @ 16Ω
Frequency response: 110Hz-20kHz (-10dB)
SPL (1W/m): 83 dB
SPL MAX (Pmax @ 1m): 96 dB
Coverage angle 1kHz/4kHz (-6dB): 180°/40°
ABS body
Colour: Black
Dimensions (WxHxD): 132x132x126mm
Weight: 1.5 kg
Bracket included



## KR-ST810

SUBWOOFER
Drivers : W: 8″ con radiatore passivo da 10″
Power: 60/30/15W @ 100 – 30/15/7.5W@70V
60W @ 8Ω
Frequency Response: 35Hz-200Hz (-10dB)
SPL (1W/m): 88dB
SPL MAX (Pmax @ 1m): 106dB
Cabinet : High-density MDF
Color: Black
Dimensions (WxHxD): 590x375x160 mm
Weight: 9.8kg
Wall mounting





# MICROPHONES

# MICROPHONES



## KR-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.



## KR-BM102

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



## KR-BM1

Desktop microphone base with gooseneck microphone and LED ring
Sensitivity: -40 dB ±2 dB / 100 Ω ±30%
Frequency response: 20 Hz – 18 kHz (-3 dB)
Power supply: 48 V DC phantom power or 3 V battery (2 × 1.5 V AAA)
Gooseneck length: 410 mm
Switch: ON/OFF
Connector: XLR
Dimensions (W × H × D): 114 × 37 × 140 mm
Weight: 0.7 kg



## KR-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



## KR-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



## KR-BMT

Microphone base for gooseneck MG400/500,
connectors XLR-3P. BISTABLE ON/OFF KEY





# AUDIO SOURCES

# AUDIO SOURCES



## KR-S50PRO+

High-end wireless stereo preamplifier for audio streaming with Wi-Fi, ETHERNET and BLUETOOTH 5.0, featuring an ESS Sabre DAC and high-resolution audio support up to 24-bit / 192 kHz. Supports AirPlay, DLNA, UPnP, Spotify Connect and Qplay, as well as major online streaming services and playback from USB, NAS and local network sources.
Compatible with BLUETOOTH aptX HD and a wide range of audio formats, including FLAC, WAV, ALAC, APE, AAC and MP3. Features analog RCA and digital SPDIF inputs, RCA, SUBWOOFER, optical SPDIF and coaxial SPDIF outputs. MULTIROOM / MULTIZONE function allows synchronized playback across multiple units connected to the same network.
Control via the 4STREAM app for iOS and Android, IR remote control and integrated OLED display.




# VOLUME CONTROLS

# VOLUME CONTROLS



## KR-TRV30B

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



## KR-TRV120B

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



## KR-TRV60B

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



# RACK AND ACCESSORIES

# RACK AND ACCESSORIES



## KR-RACK

Professional Rack Cabinet, 19" standard, made of black-painted steel. Complete with front door, removable side panels and rear panel, designed to facilitate the installation and maintenance of equipment.
Top equipped with a fan unit to ensure adequate ventilation and base fitted with 4 swivel castors.
Protection rating IP30.

**KR-RACK22**: Dimensions (W×H×D): 600×1168×600 mm (22 rack units)
**KR-RACK32**: Dimensions (W×H×D): 600×1610×600 mm (32 rack units)
**KR-RACK42**: Dimensions (W×H×D): 600×2055×600 mm (42 rack units)



## KR-PN1

1-unit 19" rack blank panel



## KR-PN2

2-unit 19" rack blank panel



## KR-PN3

3-unit 19" rack blank panel



## KR-PN4

4-unit 19" rack blank panel



## KR-PN1V

19" 1 rack unit ventilation panel



## KR-PA8S

19" Rack Power Strip – 1U
19" rack-mount power strip equipped with 8 rear **Schuko sockets** and a double-pole switch with illuminated indicator. Only 54 mm deep, with a 2 m power cable. The mounting brackets can be reversed to accommodate different installation requirements. Black finish, 1U height.




## KR-MATCHBOX

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



# GAS DETECTION

## GAS DETECTORS




### KR-DT2

The KR-DT2 series detectors are manufactured in an aluminium metal housing that provides IP65 protection. Temperatures ranging from -20°C to +60°C. The KR-DT2 series detectors utilise a microprocessor unit capable of processing gas concentration data and performing dynamic calibration to ensure accurate detection.
The power supply is between 12 VDC and 24 VDC. On the front are the detector status indications via LEDs: alarm, power and communication presence and failure.
Two different versions are available for interfacing KR-DT2 series detectors:
KR-DT2-A equipped with analogue output type 4÷20 mA;
KR-DT2-I with RS485 digital output and Modbus RTU communication protocol.
The KR-DT2 series detectors can detect a wide range of explosive/flammable (e.g. Methane, LPG, ...), toxic (e.g. Carbon Monoxide, ...) or asphyxiating gases (e.g. Nitrogen, Helium, Carbon Dioxide, ...). Depending on the gas to be detected, the sensors used can be of the catalytic, electrochemical cell, infrared or semiconductor type.




### KR-DT5

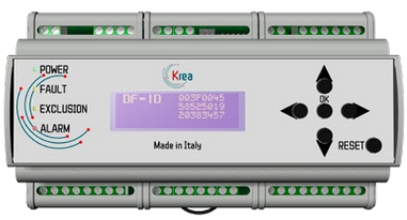
The KR-DT5 gas detector is a highly accurate device that can detect gases such as methane, carbon dioxide, and LPG. It is easy to use and provides quick and accurate readings, making it an ideal tool for safety professionals.
One of the key features of the KR-DT5 gas detector is its advanced sensor technology. The device uses advanced sensors that are highly sensitive to gases and can detect even low levels of gas in the air.
Overall, KR-DT5 gas detector is a highly reliable and effective tool for detecting gas in a wide range of industrial settings. With its advanced sensor technology and durable construction, it is a must-have tool for any safety professional.
The KR-DT5 series detectors are devices made with a robust polycarbonate enclosure, with IP65 protection degree. Temperature can vary from -20°C to +60°C. KR-DT5 series detectors use a microprocessor unit capable of processing gas concentration data and performing a dynamic calibration that ensures accurate detection. The power supply can be 110~230VAC or 12~24VDC connecting the appropriate input connector. Both the voltage ranges are accepted to leave to the user the maximum flexibility for the installation.
The output of the detector is a power relay free of voltage SPDT and capable of actuating inductive loads like solenoid valves.
The intervention threshold is fixed at 10% of the L.F.L. (Lower Flammable Limit).
The sensing element is a catalytic type and can be easily replaced at the end of the functioning period.
KR-DT5 series detectors are also equipped with an internal buzzer.




## KR-DTH

The KR-DTH sensor is an electronic device designed for the detection of Methane or LPG gas in domestic environments.
The KR-DTH sensor is used in various contexts, such as domestic settings, kitchens, workplaces, holiday homes (bed and breakfasts), restaurants, industrial facilities, and, in general, in all environments where flammable gases are used.
When the presence of combustible gases exceeds the safety standard, the gas detector emits an audible alarm signal.
Thanks to continuous monitoring, the KR-DTH sensor detects natural gas (main component: methane), LPG (main components: propane and butane), and urban coal gas (alkanes, olefins, arenes). It emits an alarm signal accompanied by a red indicator light once the gas concentration exceeds 10% LEL.
The device is EN 50270 compliance.
A clean output contact, for optional connection to external devices (e.g. solenoid valves, alarm systems), allows the interruption of the gas supply in the event of a detected gas leak.
The KR-DTH sensor is powered directly by the 230 Vac mains supply.
A solid and durable wall mounting system is provided to ensure stable and secure installation.
The housing is made of ABS plastic and is easy to clean.

# GAS CONTROL UNITS




## KR-CT1

The KR-CT1 is a detection unit designed for all those applications where the control and monitoring of environments to be protected from the presence of toxic or flammable gases is required.
The KR-CT1 is equipped with 8 input channels of the 4-20 mA type, to which as many gas detectors can be connected.
The control unit has 1 fault relay output and 3 alarm outputs (as per EN50545-1).
The backlit graphic display interfaces with the user the gas concentrations measured by the detectors and the alarm thresholds of each detector. Programming the control unit is done through the use of 6 navigation buttons and a user menu. There are also 4 LEDs on the front panel for immediate display of the control panel status.
The KR-CT1 is constructed and assembled inside a standard 9 module container, intended for DIN rail mounting. The power supply of the control unit is via an external power supply.




## KR-CT2

The KR-CT2 is a detection unit designed for all those applications where the control and monitoring of environments to be protected from the presence of toxic or flammable gases is required.
The KR-CT2 is equipped with a RS485 bus that can connect up to 32 gas detectors.
The control unit has 1 fault relay output and 3 alarm outputs (as per EN50545-1).
The backlit graphic display interfaces with the user the gas concentrations measured by the detectors and the alarm thresholds of each detector. Programming the control unit is done through the use of 6 navigation buttons and a user menu.
There are also 6 LEDs on the front panel for immediate display of the control panel status.
The KR-CT2 is constructed and assembled inside a standard 9-module container, intended for DIN-rail mounting. The power supply of the control unit is via an external power supply.





# FIRE DETECTION ACCESSORIES

# FIRE DETECTION ACCESSORIES




## PHOENIX

PHOENIX – Fire Communicator is a multi-path digital communicator (LAN/GSM/GPRS 2G/4G LTE) designed to receive alarm and fault signals from fire detection control panels and transmit them to manned monitoring centers or to designated individual recipients responsible for supervising a specific system.
The device is powered by an external power source (provided it is EN 54-4 certified) and operates within a supply range of 9 Vdc to 28 Vdc. It features 8 inputs (balanced or digital) and 8 outputs (4 relay outputs and 4 open-collector outputs), all available on terminal blocks and individually configurable, ensuring compatibility with all fire detection control panels lacking an integrated telephone communicator.
The evaluation of both hardware and software characteristics of the communicator, the dual alarm transmission paths via the Internet ("Primary and Backup" using Ethernet and/or GPRS/4G), as well as the adoption of standard communication protocols such as "SIA IP" (DC09 – DC05), are intended to achieve product certification in accordance with EN 54-21, the European standard governing alarm and fault signal transmission systems for continuously unmonitored fire protection installations.
PHOENIX – Fire Communicator will be available with the board housed inside a plastic enclosure, with the antenna mounted externally.
The device allows selection of transmission destinations, enabling flexibility across various installation scenarios. This makes the communicator highly versatile: it can connect to certified, continuously staffed (24/7) monitoring centers, where data routing can be directed to two different IP addresses with a configurable polling interval based on the required security level.
It is also possible to notify alarms via SMS messages sent to up to 6 different recipients.
Additionally, with the optional voice module for recording editable voice messages, PHOENIX – Fire Communicator can function as a GSM voice dialer, programmed to notify alarms and faults reported by the control panel to individual recipients through telephone calls with preconfigured voice messages transmitted by the modem, again to up to 6 different phone numbers.

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# NOTES

# NOTES

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