TRANSPORTATION FACILITIES

CATALOG 2024 | v.2

KGEAR
Smart Audio Solutions

K-ARRAY
Unique Audio Solutions

TRANSPORTATION FACILITIES

POLE822TG

PATENT PENDING

Pole mount, bi-directional/dipole passive speaker with symmetrical dispersion, featuring two opposite horizontal 8x2" cone-drivers with "Pure Array Technology", with a selectable horizontal beam for maximum lateral sound attenuation.

The speaker is housed in a sturdy protective aluminum round body that includes the mounting bracket, and a built-in transformer working at 100V / 70V taps and symmetrical dispersion.

In the vocal frequency range, the speaker assures a narrow horizontal coverage (10°) and wide vertical axis dispersion (90°) on both sides. IP66 rating.


GENERAL

Type: Passive dipole Symmetrical loudspeaker
Trasducer: (8+8) x 2" ferrite magnet woofers (dipole line array emission)
Frequency Response[1]: 160Hz – 20 kHz (-10dB)
Max SPL[2]: 114 dB (peak)
Transformer Taps: 60W / 30W / 15W (100V) - 30W / 15W / 7,5W (70V)
Rated Power: 2 x 120W
Connectors: screw terminals
Vocal Coverage[3]: Dipole V. 90° I H. 10°

PHYSICAL OVERVIEW

IP Rating: IP66
Dimensions (WxLxH): 638 x 621 x 83 mm (25.1 x 24.4 x 3.3 in)
Weight: 3,5 kg (7.7 lb)
Material: Stainless Steel/ABS
Color: Grey/Black

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

SPL [dB]
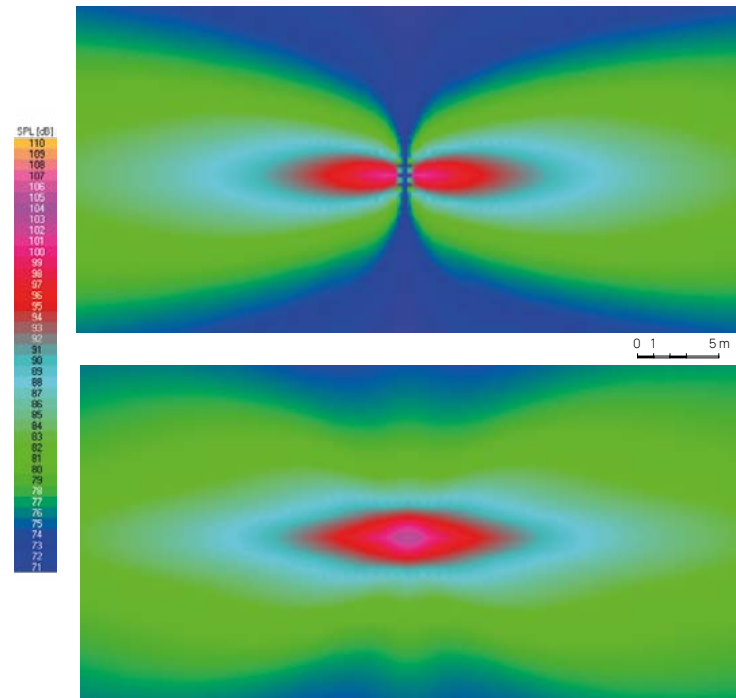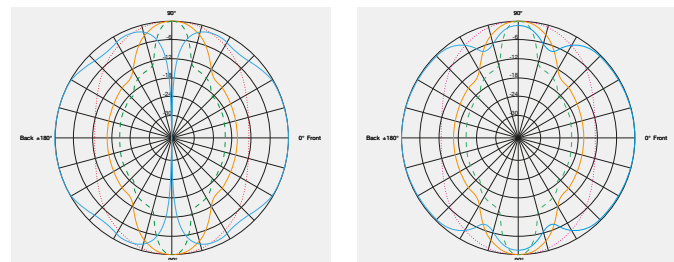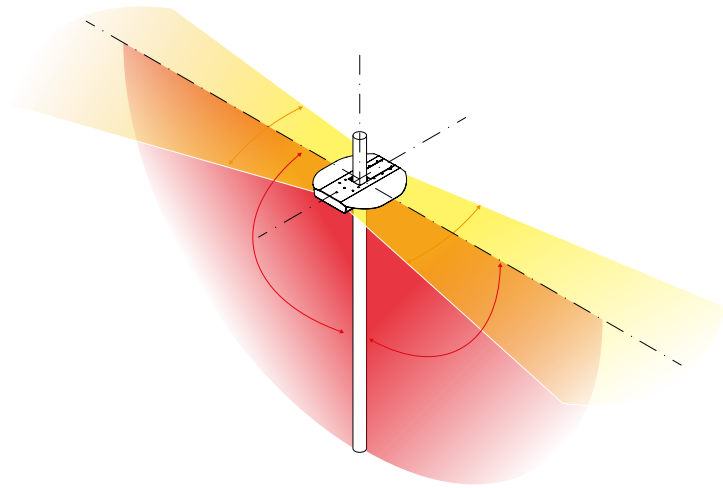
POLE

POLE422TG

PATENT PENDING

Pole mount, bi-directional/dipole passive speaker with symmetrical dispersion, featuring two opposite horizontal 4x2" cone-drivers with "Pure Array Technology", with a horizontal beam for maximum lateral sound attenuation.

The speaker is housed in a sturdy protective aluminum round body that includes the mounting bracket, and a built-in transformer working at 100V / 70V tap and symmetrical dispersion.

In the vocal frequency range, the speaker assures a narrow horizontal coverage (15°) and wide vertical axis dispersion (90°) on both sides.
IP66 rating.

GENERAL

Type: Passive dipole Symmetrical loudspeaker
Trasducer: (4+4)x 2" ferrite magnet woofers (dipole line array emission)
Frequency Response[1]: 160Hz – 20 kHz (-10dB)
Max SPL[2]: 107 dB (peak)
Transformer Taps: 32W (100V) - 16W (70V)
Rated Power: 2 x 64W
Connectors: screw terminals
Vocal Coverage[3]: Dipole V. 90° I H. 15°

PHYSICAL OVERVIEW

IP Rating: IP66
Dimensions (WxLxH): 491x352x83 mm (25.1x24.4x3.3 in)
Weight: 3,5 kg (7.7 lb)
Material: Stainless Steel/ABS
Color: Grey/Black

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

500 Hz

2000 Hz

1000 Hz
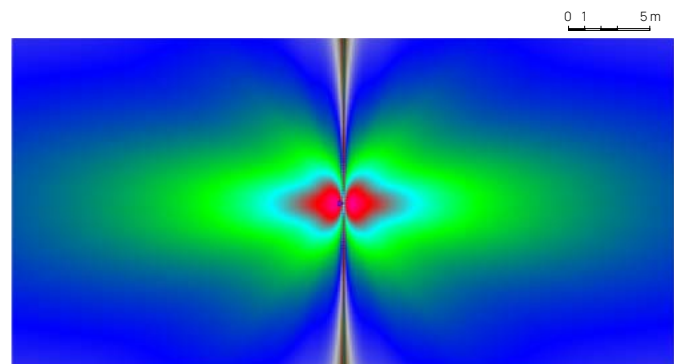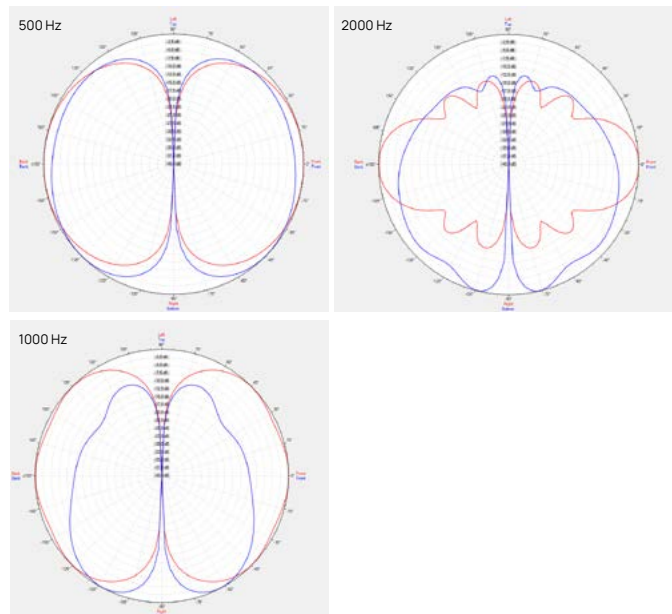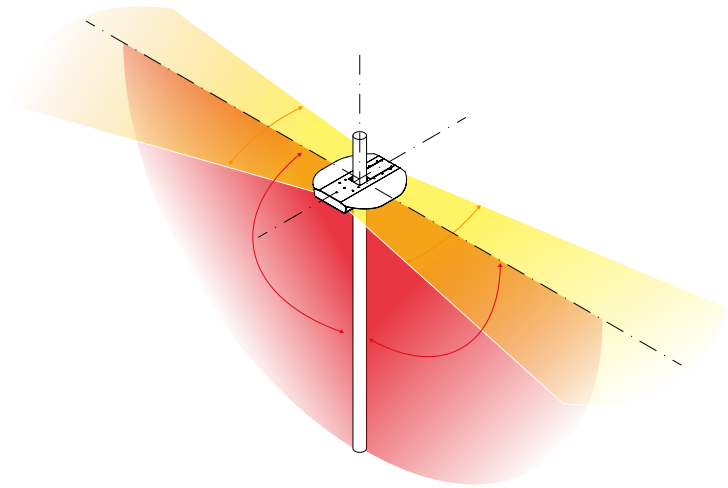
POLE

POLE82HTB I

POLE82HTW I

Pole mount, down-firing passive speaker, featuring one horizontal 8x2" cone-drivers with "Pure Array Technology" with protective housing structure and mounting bracket.
In the vocal frequency range, the speaker allows a 120° by 15° coverage. High pass filter at 160Hz. IP rating 66. Available in black or white.

GENERAL
Type: Pole mount, down firing passive speaker
Trasducer: 8 x 2" ferrite magnet woofers
Frequency Response[1]: 160 Hz – 20 kHz (-10 dB)
Max SPL[2]: 114 dB (peak)
Transformer Taps: 32W / 16W / 8 W/ 4W (100V) - 16W / 8W / 4W / 2W (70 V)
Rated Power: 128W
Connectors: screw terminals
Vocal Coverage[3]: V. 90° I H. 15°

PHYSICAL OVERVIEW
IP Rating: IP66
Dimensions (WxLxH): 200 x 640 x 73 mm (7.87 x 25.19 x 2.87 in)
Weight: 5 kg (7.7 lb)
Material: ABS
Color: Black/White

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

POLE

9

CEIL42TB

CEIL82TB
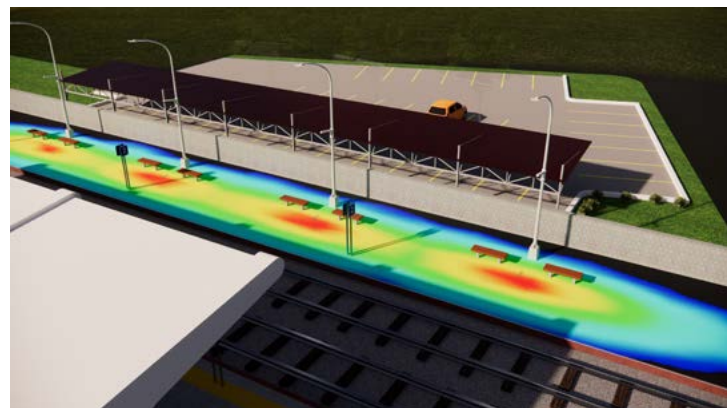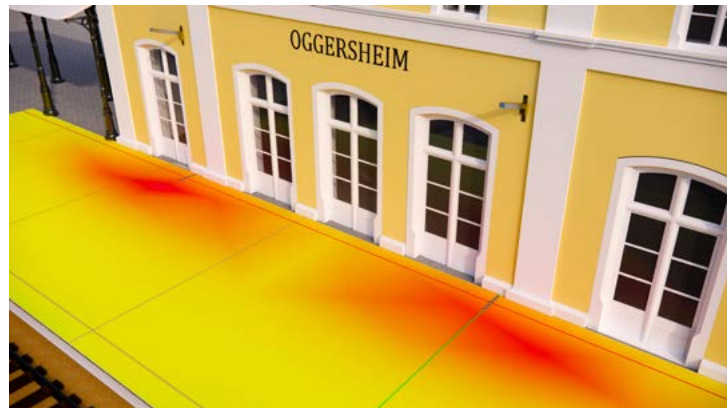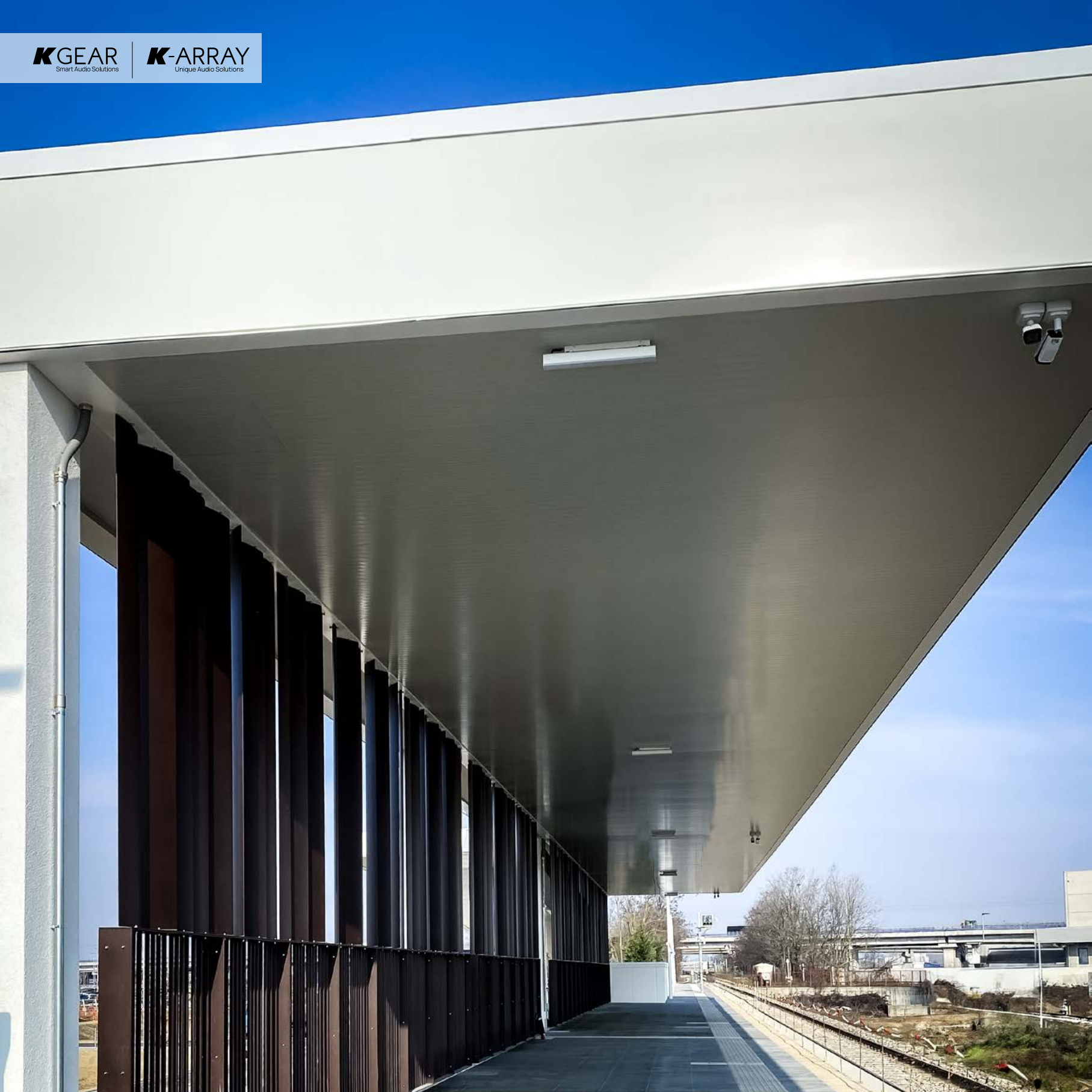
CEIL42TW

CEIL82TW

Ceiling passive speaker of 4x2" cone drivers featuring "Pure Array Technology" with quick mount ceiling bracket and a built-in 100V / 70V transformer. In the vocal frequency range, the speaker assures coverage of 90° x 25°.

IP rating 55. Available in black or white.

Ceiling passive speaker of 8x2" cone drivers featuring one "Pure Array Technology" with quick mount ceiling bracket and a built-in 100V / 70V transformer. In the vocal frequency range, the speaker assures coverage of 90° x 15°.

IP rating 55. Available in black or white.

GENERAL

Type: Passive loudspeaker with Transformer
Trasducer: 4 x 2" ferrite magnet woofer
Frequency Response[1]: 160 Hz - 20 kHz (-6dB)
Max SPL[2]: 102 dB
Transformer Taps: 16W / 8W / 4W / 2W (100V) - 8W / 4W / 2W / 1W (70V)
Rated Power: 64W
Connectors: 1x Phoenix connector (5-pin Euroblock)
Vocal Coverage[3]: V.25° I H.90°

PHYSICAL OVERVIEW

IP Rating: IP55 with G-IPCAP2 accessory included
Dimensions (WxLxH): 60 x 300 x 72 mm (2.40 x 13.40 x 4.00 in)
Weight: 1.3 kg (2.87 lb)
Material: ABS / Stainless Steel
Color: Black - White (WALL42TB-WALL42TW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Vocal coverage is an average coverage measured over a range between 200 Hz and 8kHz

GENERAL

Type: Passive line array loudspeaker with transformer
Trasducer: 8 x 2" ferrite magnet woofer
Frequency Response[1]: 150 Hz - 20 kHz (-6dB)
Max SPL[2]: 109 dB Peak
Transformer Taps: 32W / 16W / 8W / 4W (100V) - 16W / 8W / 4W / 2W (70V)
Rated Power: 128W
Connectors: 1 x Phoenix 1,5/5-ST-3,81 compatible (5 -pin euroblock)
Vocal Coverage[3]: V.15° I H.90°

PHYSICAL OVERVIEW

IP Rating: IP55 with G-IPCAP2 accessory included
Dimensions (WxLxH): 60 x 604 x 100 mm (2.36 x 23.80 x 4.00 in)
Weight: 2,8 kg (6.17 lb)
Material: ABS / Stainless Steel
Color: Black - White (WALL82TB-WALL82TW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

CEILING

WALL42TB   WALL42TW

Passive speaker of 4x2" cone drivers featuring "Pure Array Technology".
for either wall or ceiling mount including two L brackets.
Built-in 100V / 70V transformer.
In the vocal frequency range, the speaker assures coverage of 25° x 90°.
IP rating 55. Available in black or white.

GENERAL
Type: Passive loudspeaker with Transformer
Trasducer: 4 x 2" ferrite magnet woofer
Frequency Response[1]: 160 Hz - 20 kHz (-6dB)
Max SPL[2]: 102 dB
Transformer Taps: 16W / 8W / 4W / 2W (100V) - 8W / 4W / 2W / 1W (70V)
Rated Power: 64W
Connectors: 1 x Phoenix connector (5-pin Euroblock)
Vocal Coverage[3]: V.25° I H.90°

PHYSICAL OVERVIEW
IP Rating: IP55 with G-IPCAP2 accessory included
Dimensions: 60 x 340 x 66 mm (2,4 x 13,4 x 2,6 in)
            (brackets not included in the measures)
Weight: 1.3 kg (2.87 lb)
Material: ABS
Color: Black - White (WALL42TB-WALL42TW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Vocal coverage is an average coverage measured over a range between 200 Hz and 8kHz

WALL82TB   WALL82TW

WALL162TB   WALL162TW

Passive speaker of 8x2" cone drivers featuring "Pure Array Technology".
for either wall or ceiling mount including two L brackets.
Built-in 100V / 70V transformer.
In the vocal frequency range, the speaker assures coverage of 15° x 90°.
IP rating 55. Available in black or white.

Passive speaker of 16x2" cone drivers featuring "Pure Array Technology".
for either wall or ceiling mount including two L brackets
Built-in 100V / 70V transformer.
In the vocal frequency range, the speaker assures coverage of 7° x 90°.
IP rating 55. Available in black or white.

GENERAL
Type: Passive line array loudspeaker with transformer
Trasducer: 8 x 2" ferrite magnet woofer
Frequency Response[1]: 150 Hz - 20 kHz (-6dB)
Max SPL[2]: 109 dB Peak
Transformer Taps: 32W / 16W / 8W / 4W (100V) - 16W / 8W / 4W / 2W (70V)
Rated Power: 128W
Connectors: 1 x Phoenix 1,5/5-ST-3,81 compatible (5 -pin euroblock)
Vocal Coverage[3]: V.15 I H.90°

PHYSICAL OVERVIEW
IP Rating: IP55 with G-IPCAP2 accessory included
Dimensions: 60 x 600 x 65 mm (2.4 x 23.62 x 2.56 in)
             (brackets not included in the measures)
Weight: 2.2 kg (4.85 lb)
Material: ABS
Color: Black - White (WALL82TB-WALL82TW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Vocal coverage is an average coverage measured over a range between 200 Hz and 8kHz

GENERAL
Type: Passive line array loudspeaker with transformer
Trasducer: 16 x 2" ferrite magnet woofer
Frequency Response[1]: 135 Hz - 20 kHz (-6dB)
Max SPL[2]: 115 dB Peak
Transformer Taps: 64W / 32W / 16W / 8W (100V) - 32W / 16W / 8W / 4W (70V)
Rated Power: 256W
Connectors: 1 x Phoenix connector (5-pin Euroblock)
Vocal Coverage[3]: V.7 I H.90°
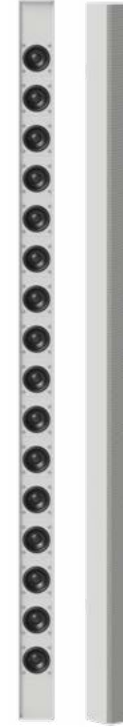
PHYSICAL OVERVIEW
IP Rating: IP55 with G-IPCAP2 accessory included
Dimensions: 60 x 1200 x 66 mm (2,40 x 47,24 x 2,60 in)
             (brackets not included in the measures)
Weight: 4.2 kg (9.25 lb)
Material: ABS
Color: Black - White (WALL162TB-WALL162TW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Vocal coverage is an average coverage measured over a range between 200 Hz and 8kHz

WALL

WALL822TB

WALL822TW

PATENT
PENDING

Wall mount bi-directional / dipole passive system of two unmovable-tilt horizontal speakers with 8x2" cone-drivers feat. "Pure Array Technology" in asymmetrical dispersion. Selectable horizontal beam for maximum lateral sound attenuation. Built-in transformer working at 100V / 70V. Wall-bracket included. In the vocal frequency range, the speaker assures a wide horizontal coverage (90°) and wide vertical axis dispersion (10°) on both sides.
IP rating 55. Available in black or white.

GENERAL

Type: Passive dipole/bidirectional asymmetrical speaker
Trasducer: (8+8) x 2" ferrite magnet (dipole line array emission)
Frequency Response[1]: 160 Hz – 20 kHz (-10 dB)
Max SPL[2]: 114 dB (peak)
Transformer Taps: 60 W / 30 W / 15 W (100V) - 30 W / 15 W / 7,5 W (70 V)
Rated Power: 2 x 120W
Connectors: screw terminals
Vocal Coverage[3]: Dipole V. 10° I H.90°

PHYSICAL OVERVIEW

IP Rating: IP55
Dimensions (WxLxH): 600 x 600 x 104 mm (2.4 x 23.62 x 2.56 in)
Weight: 4.6 kg (10.14 lbs)
Material: ABS / Stainless Steel
Color: Black - White (WALL822TB - WALL822TW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz
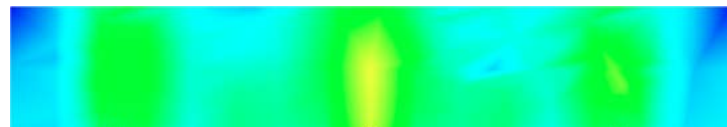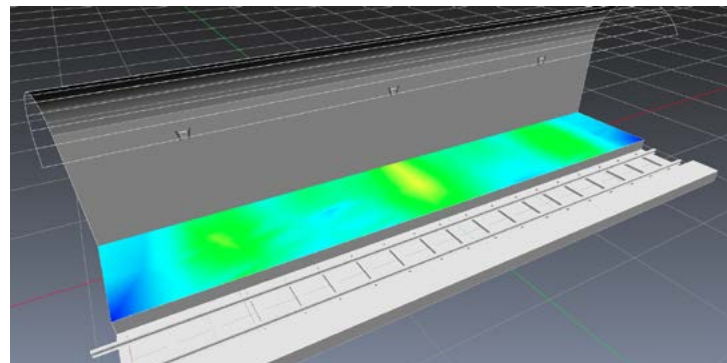
WALL

H2525TG
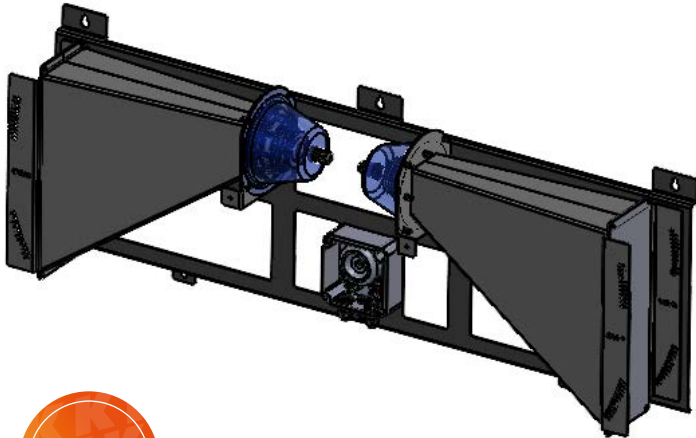
The WALLH2525TG is a high-power speaker with two opposing 2.5" asymmetric horns, ideal for long-distance vocal coverage in challenging environments like tunnels. It features a durable aluminum body, easy-install bracket, and a 100V/70V transformer with selectable power settings.

With 18° horizontal and 35° vertical asymmetric dispersion, the horns can be tilted downward or upward in 1° increments, with up to 5 adjustments to ensure precise coverage. Rated IP66, dustproof and weather-resistant. The frequency response from 500 Hz to 9200 Hz ensures clear and intelligible vocal reproduction.

GENERAL   Preliminary

Type: dipole/bidirectional asymmetrical speaker
Trasducer: neodimiun driver 2x 2.5"
Frequency Response[1]: 500 Hz – 9200 Hz (-10 dB)
Max SPL[2]: 130 dB (peak)
Transformer Taps: 120 W / 60 W / 30 W taps (100V) - 60 W / 30 W / 15 W taps (70 V)
Rated Power: 2 x 240W
Connectors: screw terminals
Vocal Coverage[3]: Dipole V. 35° (+/- 5° up/down step 1°) I H. 18°

PHYSICAL OVERVIEW

Dimensions (WxLxH): 176 x 1150 x 412 mm (6,29 x 45,27 x 16,22 in)
Weight: 5.5 kg (12.12 lb)
Material: Aluminum
Color: Gray
IP rating: IP66

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Vocal coverage is an average coverage measured over a range between 200 Hz and 8kHz

WALL

ACT42B   ACT42W

Active speaker for either wall or ceiling mount including two L brackets, featuring "Pure Array Technology" of 4x2" cone drivers and a built-in 25 W power amplifier.
In the vocal frequency range the speaker assures a coverage of 90° x 25°. Available in black or white.

GENERAL
Type: Active
Power handling: 25 Watt
Trasducer: 4 x 2" ferrite magnet woofers
Frequency Response[1]: 160 Hz – 20 kHz (-10 dB)
Max SPL[2]: 105 dB (peak)
Vocal Coverage[3]: V. 25° I H. 90°

PHYSICAL OVERVIEW
Power: external 24V
Dimensions (WxLxH): 60 x 340 x 66 mm (2,4 x 13,4 x 2,6 in)
Weight: 1,9 kg (4.2 lb)
Material: ABS
Color: Black (ACT42B) I White (ACT42W)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Vocal coverage is an average coverage measured over a range between 200 Hz and 8kHz

ACTIVE

SPROJ5TW

One-way, sound projector in ABS, featuring onboard transformer working at 100V / 70V. Water resistant 5" woofer. Waterproof cable gland. Aluminum grille. Stainless steel bracket. IP rating 55. Available in white.

GENERAL
Type: one-way passive sound projector with built-in transformer
Trasducer: 5" ferrite magnet woofer
Frequency Response[1]: 130 Hz - 17 kHz (-10dB)
Max SPL[2]: 104 dB (peak)
Transformer Taps: 10W / 5W / 2,5W (100V) - 5W / 2,5W / 1,25W (70V)
Rated Power: 20W
Connectors: screw terminals
Coverage[3]: 130° conical
Impedance: 8Ω/70V - 100V with impedance selector switch

PHYSICAL OVERVIEW
IP Rating: IP65
Dimensions: 162 x 138 x 204 mm (6,3 x 5,4 x 8 in)
Weight: 1.7 kg (3.96 lb)
Material: ABS
Color: White - SPROJ5TW

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

SPROJ52TW bi-directional

Two-way sound projector in aluminum, featuring built-in 100V / 70V.
2x water resistant 5" woofers. Waterproof cable gland. Aluminum grille. Stainless steel bracket.
IP rating 55. Available in white.

GENERAL
Type:two-way passive sound projector with built-in transformer
Trasducer: 2 x 5" ferrite magnet woofers
Frequency Response[1]:130 Hz - 17 kHz (-10dB)
Max SPL[2]: 104 dB (peak)
Transformer Taps: 10W / 5W / 2,5W (100V) - 5W / 2,5W / 1,25W (70V)
Rated Power: 20W
Connectors: screw terminals
Coverage[3]: 130° conical
Impedance: 8Ω/70V - 100V

PHYSICAL OVERVIEW
IP Rating: IP65
Dimensions: 167 x 136 x 210 mm (6.5 x 5.3 x 8,2 in)
Weight: 1.8 kg (3.97 lb)
Material: Aluminum
Color: White - SPROJ5TW

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

SOUND PROJECTORS

RECESSED

REC3CB-T

REC3CW-T

Round speaker for either in-wall or in-ceiling mount, consisting of a 3" coaxial cone and an external 100V / 70V transformer box.
130° wide coverage. ABS chassis and stainless steel round protection grille painted in white or black.

GENERAL
Type: Passive
Trasducer: 3" ferrite magnet woofers
Rated Power (100 V line): 16W, 8W, 4W , 2W Taps (External trasformer)
Rated Power (70 V line): 8W, 4W, 2W, 1W Taps (External trasformer)
Frequency Response[1]: 120 Hz – 20 kHz (-10 dB)
Max SPL [2]: 104dB (peak)
Vocal Coverage[3]: V. 130° conical

PHYSICAL OVERVIEW
Dimensions: Ø outer 116 mm (4.57 in) I Ø inner: 100 mm (4 in)
Weight: 0.4 kg (0.88 lb)
Material: ABS
Color: Black (REC3CB-T) I White (REC3CW-T)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

REC3WB-T

REC3WW-T

Square speaker for either in-wall or in-ceiling mount, consisting of a 3" coaxial cone and an external 100V / 70V transformer box.
130° wide coverage. ABS chassis and stainless steel square protection grille painted in white or black.

GENERAL
Type: Passive
Trasducer: 3" ferrite magnet woofers
Rated Power (100 V line): 16W, 8W, 4W , 2W Taps (External trasformer)
Rated Power (70 V line): 8W, 4W, 2W, 1W Taps (External trasformer)
Frequency Response[1]: 120 Hz – 20 kHz (-10 dB)
Max SPL [2]: 104dB (peak)
Vocal Coverage[3]: V. 130° conical

PHYSICAL OVERVIEW
Dimensions: Ø outer 116 mm (4.57 in) I Ø inner: 100 mm (4 in)
Weight: 0.4 kg (0.88 lb)
Material: ABS
Color: Black (REC3WCB-T) I White (REC3WW-T)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

REC5TCB

REC5TCW

Round speaker for either in-wall or in-ceiling mount, 5,25" coaxial driver 0.75" titanium dome tweeter tiltinge and built-in 100V / 70V transformer box. 120° wide coverage. ABS chassis and stainless steel round protection grille painted in white or black.

GENERAL
Type: Passive
Trasducer: 5,25" coax ferrite magnet woofer
0.75" titanium dome tweeter tilting
Frequency range[1]: 70 Hz - 20 kHz (±3dB)
60 Hz - 20 KHz (±10dB)
Power handling: 40 W I 80 W Peak Nominal impedance: 8 ohm
Rated Power (100 V line): 16W, 8W, 4W , 2W Taps
Rated Power (70 V line): 8W, 4W, 2W, 1W Taps
Max SPL [2]: 106dB (peak)
Vocal Coverage[3]: V. 120° conical

PHYSICAL OVERVIEW
Dimension: Ø outer: 196 mm (7.7 in) I Ø inner: 179 mm (7 in)
Depth: 75 mm (3 in)
Weight: 1.08 kg (2.4 lb)
Material: ABS
Color: Black (REC5TCB) I White (REC5TCW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

REC5TWB

REC5TWW

Square speaker for either in-wall or in-ceiling mount, 5,25" coaxial driver 0.75" titanium dome tweeter tiltinge and built-in 100V / 70V transformer box. 120° wide coverage. ABS chassis and stainless steel round protection grille painted in white or black.

GENERAL
Type: Passive
Trasducer: 5,25" coax ferrite magnet woofer
0.75" titanium dome tweeter tilting
Frequency range[1]: 70 Hz - 20 kHz (±3dB)
60 Hz - 20 KHz (±10dB)
Power handling: 40 W I 80 W Peak Nominal impedance: 8 ohm
Rated Power (100 V line): 16W, 8W, 4W , 2W Taps
Rated Power (70 V line): 8W, 4W, 2W, 1W Taps
Max SPL [2]: 106dB (peak)
Coverage[3]: V. 120° conical

PHYSICAL OVERVIEW
Dimension: Ø outer: 196 mm (7.7 in) I Ø inner: 179 mm (7 in)
Depth: 75 mm (3 in)
Weight: 1.08 kg (2.4 lb)
Material: ABS
Color: Black (REC5TWB) I White (REC5TWW)

(1) - With dedicated preset
(2) - Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m
(3) - Voice coverage is an average coverage measured over a range between 200 Hz and 8kHz

RECESSED

PRISMA-KPR00+

Maximize versatility with the PRISMA-KPR00+ Matrix Processing Platform: equipped with the new Integrated Electronic Brain-Pro (IEB-Pro). This versatile and powerful Matrix Processing Platform is equipped with Dante-Ready ™ for activation of Dante ™ license and supporting of up to 8x8 Dante channels.

Whether you choose an all-analog, analog+Dante, or Dante-only configuration, Prisma delivers up to 16x16 high-quality audio channels (analog + Dante) with precision audio processing through K-array's Integrated Electronic Brain (IEB-Pro) and OsKar OS platform.

Prisma-KPR00+ can be expanded with the K-PRIN4 and K-PROUT4 accessory boards, each offering an additional 4 channels, allowing a total of up to 8x analog inputs and 8x outputs. This platform provides 9x distinct configuration setups, catering to a wide range of audio applications.

For easy connectivity and control, the PRISMA-KPR00+ can be accessed through our complete bundle of dedicated apps: via the Web-App, the K-connect, and the K-control, providing total control over DSP functions and configurations.

GENERAL

Type: Matrix Processing Platform with IEB-Pro and osKar custom operating system
Built-in DSP: DSP onboard with:

Input EQ: 15 bands fully parametric equalizer;

Output EQ: 15 bands fully parametric selectable filters: Peaking, High-Shelf, Low-Shelf, High-Pass, Low-Pass, HP-Butterworth, LP-Butterworth; Noise Gate on Analog signals; Audio Priority/fail over on router inputs 1 to 4 Signal routing: freely assignable input-to-output signal path with crosspoint level adjustment; Output Channel delay up to 50 ms

Connectors: Expandable with dedicated KPRIN4 and KPROUT4 accessory boards.
Remote Control: Built-In app controllable via the Web App
K-Connect mobile for easy wireless access to the DSP features.
K-Control customizable dashboard and app for smart control and integration with the K-array ecosystem.
REST API for easy integration with third-party remote control systems.

PHYSICAL OVERVIEW

Material: Stainless Steel
Dimensions (W x H x D): 1U rack-compatible - 480 x 43 x 221mm
Colors: Black
IP Rating: IP20

PRISMA-KPRA14+

Introducing the Prisma-KPR14+: a cutting-edge audio amplified matrix solution empowered by our new Integrated Electronic Brain-Pro, featuring Dante-Ready ™ for activation of up to 8x8 Dante channels and 0x analog inputs right out of the box. With the dedicated input board accessory K-PRIN4 is expandable to up to 8x analog inputs and with the 4x analog amplified outputs, is a reliable solutions for different applications like hospitality and leisure, corporate and distributed systems.

Prisma-KPR14+ (4x 600W @ 2 Ω) becomes a powerful matrix tool with the well-known audio quality and robustness of our Kommander-KA family.

GENERAL
Type: Amplified Matrix with IEB-Pro (8x8 Dante Ch, payment-enabled)
Output Power: 4x 600W @ 2Ω
Impedance: minimum 2Ω
Amp Module: 4ch switching mode, Class D Amplifier
Frequency Response: 20 Hz – 20 kHz (±1 dB)
Connections:
Input: 4x analog Inputs - expandable up to 8x with K-PRIN4
Output: 2x PC 4/ 4-ST-7,62 speaker output - 4ch analog outputs
Digital: Up to 16x Dante channel 8 IN/8 OUT - (enabled with Dante Ready),
2x RJ45 Ethernet 1.Gbit - primary, secondary, 1x USB-A
Power: 1 x PowerCon TRUE IN, 1 x PowerCon TRUE Link
Built-in DSP: Grouping, Equalization, Limiters, Routing, Level, Loudspeaker presets
Remote Control: Wi-Fi and Ethernet dedicated APP and Desktop software
MAIN Operating Range: 100-240V AC, 50-60 Hz with PFC
Power Consumption: 400 W @ 8 Ω load, Pink noise, 1/4 rated power

PHYSICAL OVERVIEW
Material: Aluminum
Dimensions (W x H x D): 219 x 46 x 320 mm (8.6 x 1.8 x 12.6 in)
Weight: 1,2 kg (2.65 lb)
IP Rating: IP20

PRISMA-KPRA34+

Introducing the Prisma-KPR34+: a cutting-edge amplified matrix solution empowered by our new Integrated Electronic Brain-Pro, featuring Dante-Ready ™ forup to8x8 Dante channels and 0x analog inputs right out of the box.
With the dedicated input board accessory K-PRIN4 is expandable to up to 8x analog inputs and with the 4analog amplified outputs, it is a reliable solutions for different applications.

Prisma-KPR34+ (4x 750W) becomes a powerful matrix tool with the well-known audio quality and robustness of our Kommander-KA family.

GENERAL
Type: Amplified Matrix with IEB-Pro (8x8 Dante C, payment-enabled)
Output Power: 4 x 750W @ 4Ω
Impedance: minimum 4 Ω
Frequency Response: 20 Hz – 20 kHz (±1 dB)
Connections:
Input: 4x analog Inputs - expandable up to 8x with K-PRIN4
Output: 2x PC 4/ 4-ST-7,62 speaker output - 4ch analog outputs
Digital: Up to 16x Dante channel 8 IN/8 OUT - (enabled with Dante Ready),
2x RJ45 Ethernet 1.Gbit - primary, secondary, 1x USB-A
Power: 1 x PowerCon TRUE IN, 1 x PowerCon TRUE Link
Built-in DSP: Grouping, Input EQ, Output EQ, Signal Routing, Level adjustment, Dynamic Limiters, Delay, Loudspeaker presets
Remote Control: Wi-Fi and Ethernet dedicated APP and Desktop software
Protections: Thermal protection, output short circuit, RMS output current protection, high frequency protection, power limiter, clip limiter.
MAIN Operating Range: 100-240V AC, 50-60 Hz with PFC
Power Consumption: 600 W @ 8 Ω load, Pink noise, 1/4 rated power

PHYSICAL OVERVIEW
Material: Stainless Steel
Colors: Black
Dimensions (W x H x D): 2U 430 x 87 x 430 mm (17 x 3,4 x 17 in)
Weight: 7 kg (15,4 lb)
IP Rating: IP20

ELECTRONICS

## IEB PRO

8 Dante Inputs
8 Dante Outputs

Integrated
Electronic
Brain

POWERED BY INTELLIGENCE
### Ultimate Electronic Power Control

Enhanced performance and easy tuning are now managed by the Integrated Electronic Brain - IEB-Pro - implemented into K-array amplifiers. More than a traditional DSP, the built-in micro electronics driven by the integrated operating system osKar features expansive sound processing, offering complete user control over the system performance: Volumes, Signal Routing and Presets complete with a USB player. Directly manageable via Ethernet connectivity dedicated professional interface.

Technology

K-FRAMEWORK

DESIGN CONFIGURE OPTIMISE TUNING MONITOR
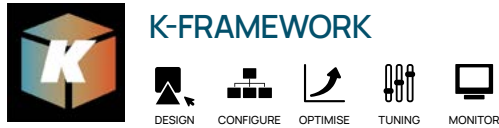
Powerful, all-in-one **3D modelling** software for all your advanced acoustic design needs. Supporting system designers and acoustic consultants to **simulate sound performance** across every application, offering efficient solutions for optimal loudspeaker configurations.

K-MONITOR

DESIGN CONFIGURE OPTIMISE TUNING MONITOR

K-Monitor gives users on-premises access to K-array products on the **network**, for **amplifier monitoring**, troubleshooting and batch updates. Offline updates can be performed across multiple devices on a one-off basis or as a continuous monitoring app.

K-CONTROL

DESIGN CONFIGURE OPTIMISE TUNING MONITOR
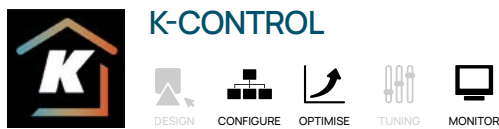
The advanced native **control system** app, for seamless K-array system management, integrates like a smart home control software. Providing complete command over any other device through **REST API** and customizable, it offers sophisticated audio management: vol. control, source selection, amplifier adjustment.

K-CONNECT

DESIGN CONFIGURE OPTIMISE TUNING MONITOR
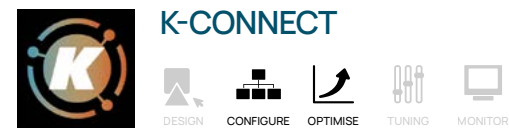
Ideal for quick installations or time-sensitive situations, K-Connect mobile app offers **fast amplifier access and setup** through a user-friendly interface. Available for Android and iOS, a simple QR code connects to the device's built-in Wi-Fi hotspot for tuning and control management.

WEB APP

DESIGN CONFIGURE OPTIMISE TUNING MONITOR

Built into the device through K-array's proprietary OS (osKar), accessible from **any browser** (via mobile, tablet or PC), K-array's versatile Web App offers users access to **all system features** and full control over DSP functions, including signal routing, equalization, delay, pre-sets and operating system parameters.

Software
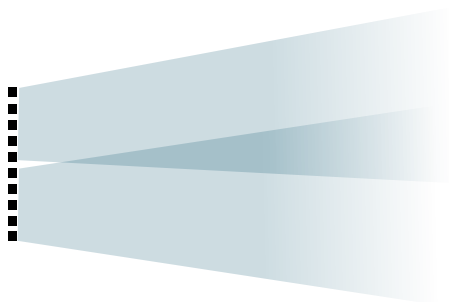
Pure Array Technology

Composed of closely-spaced, full-range sound sources, all our line array elements feature our innovative Pure Array Technology (PAT).

With no drivers dedicated to the high frequencies, no bass reflex or passive radiators dedicated to the low end, there are no crossover points and a perfect phase response is achieved in both the near and far fields.

All the sound sources in the array are identical and perfectly coupled producing a true line array with benefit of having the sound beam radiated by the column very wide on the horizontal plane and very narrow on the vertical plane.

The amount of energy sent towards the ceiling and the floor is then minimized greatly improving the intelligibility in highly reverberant venues like houses of worship and conference rooms.

Furthermore, such a focused sound beam is able to cover a long distance uniformly. The audience located in front of the array and at the back of the venue will experience the same tonal balance without the need of several delay lines. With no horns and no waveguides, PAT columns can be joined to create longer arrays.

The longer the array, the narrower the sound beam and the further the distance that can be covered uniformly.

Features

Visually Discreet

For architectural reasons, a visually discreet audio system may be required to integrate seamlessly with the layout without compromising sound quality.

Weather Resistant

We utilize the most durable and resistant materials when developing our products to protect and conserve the system regardless of the elements, rendering a KGEAR installation reliable and long-lasting.

Lightweight

We created a portfolio complete with lightweight products that are easy to transportation and quick to setup optimizing logistics, space, labor costs and time.