

# ***Product Collection***

General Catalog 2020

## The Vision

K-array is a renowned manufacturer of unique audio solutions with our global headquarters in Florence, Italy. Since 1990, we have concentrated our efforts and resources in the revolutionary design and manufacture of highly efficient audio systems with impressive performance.

To be an inventor, you have to be a bit rebellious to go against the grain and that is what we set out to do year after year with our innovative technologies and unparalleled solutions. We pride ourselves on being unique to the market, inventing solutions never dreamed of before.

Whether a flexible, long speaker or extremely flat speaker boxes, we pioneer the design of audio elements that are adaptable to a host of applications so that audio quality is never compromised.

Our creativity, culture and design come from our deeply-entrenched Italian roots and we aim to demonstrate this through every facet of our creations. Crafted with artistry using premium materials, K-array's products are created right here in Tuscany. And accommodating our clients, colleagues and partners with Italian hospitality means our tight-knit group is considered family.

That's what we consider the K-EXPERIENCE.

## Product Collection

With an extensive portfolio of ultra-compact speakers for small, medium and large-scale applications, including fixed installations, event productions and live sound, K-array is exceeding industry demands for speakers that are heard but not seen.

<b>Installed Sound</b>	p. 4
A wide range of sound systems for commercial, institutional and public venues.	
<b>Portable Systems</b>	p. 32
Ultra-light, high-tech, powered speaker systems that are easy to setup and dismantle.	
<b>Concert Series</b>	p. 44
Lightweight and compact line array systems for festivals, touring and large events.	

## Installed Sound

K-array's Installed Sound series is a collection of the most aesthetically-refined and quality loudspeakers in the professional audio industry.

Operating in the heart of Tuscany where architecture has had a profound effect on Italian culture, K-array believes that while sound makes an experience, it should remain invisible and not affect the aesthetics of a venue. Requiring creative manipulation and coordination of materials and technology, the Installed Sound loudspeakers are designed with a sleek form so that they are easily integrated into the layout of an environment.

Our loudspeakers also boast the most durable and resistant materials providing the most reliable solutions on the market. Weather resistant speakers made of aluminum and steel make up the frame of all the products within the Installed Sound series.

These premium products are also available in a variety of luxury finishes made of precious materials, like 24K gold.





## Azimut

A complete audio solution  
in a minimalist design package

To accommodate the demands of architects and designers who need a professional audio system without compromising the aesthetics of their project, the Azimut systems are the most discreet audio solutions featuring easy-to-control, high performance technology designed to benefit the end user.

Including two mid-high loudspeakers, a subwoofer, an amplifier and a covert remote control, the Azimut is a complete audio solution in a miniature package. The Azimut boasts plug and play capabilities with Bluetooth connectivity, USB ports and mini jack input. Hundreds of thousands of songs are available to you through onboard Spotify and Web Radio streaming by connecting to Wi-Fi using the system's onboard software.

The dedicated Azimut app, which is available for download on GooglePlay and the App Store, provides the possibility to manage all the functions of the amplifier, from sound source selection and playlist management to graphic equalization and multi-room network setup.

The Azimut line – comprised of the Azimut-KAMUT2L, Azimut-KAMUT2L1, Azimut-KAMUT2L14 and Azimut-KAMUT2V25 – is designed for a variety of intimate environments.





# Azimut

A complete audio solution  
in a minimalist design package



Restaurants and Cafes



Hotels and Resorts



Retail



Museums and Exhibitions



Residential



## Azimut-KAMUT2L1

**Lizard-KZ1** | Speakers

### General

Type	Point source
Transducers	0.5" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	500 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	86 dB (peak)
Rated Power	3.5 W
Coverage	V. 140°   H. 140°
Connectors	IN+ IN- screw terminals
Nominal Impedance	16 Ω

### Handling & Finishes

Dimensions (WxHxD)	22 x 37 x 11 mm (0.9 x 1.5 x 0.4 in)
Weight	0.021 kg (0.046 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished
IP Rating	IP64

**Truffle-KTR24** | Subwoofer

### General

Type	Passive subwoofer
Transducers	4" woofer + passive radiator
Frequency Response <sup>(1)</sup>	45 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	112 dB (peak)
Rated Power	60 W
Coverage	Omni
Connectors	2PIN euroblock connector (included)
Nominal Impedance	4 Ω

### Handling & Finishes

Dimensions (WxHxD)	122 x 117 x 199 mm (4.8 x 4.6 x 7.8 in)
Weight	1.5 kg (3.31 lb)
Material	Aluminum
Colors	Black
Finishes	Powder Matte
IP Rating	IP64

**Kommander-KA02** | Amplifier

For technical specifications, see page 26



## Azimut-KAMUT2L14

**Lizard-KZ14** | Speakers

### General

Type	Line array
Transducers	4 x 0.5" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	500 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	98 dB (peak)
Rated Power	15 W
Coverage	V. 40°   H. 140°
Connectors	IN+ IN- screw terminals
Nominal Impedance	16 Ω

### Handling & Finishes

Dimensions (WxHxD)	22 x 100 x 11 mm (0.9 x 3.9 x 0.4 in)
Weight	0.059 kg (0.130 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished
IP Rating	IP64

**Truffle-KTR25** | Subwoofer

### General

Type	Passive subwoofer
Transducers	5.25" woofer + passive radiator
Frequency Response <sup>(1)</sup>	45 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	115 dB (peak)
Rated Power	80 W
Coverage	Omni
Connectors	2PIN euroblock connector (included)
Nominal Impedance	4 Ω

### Handling & Finishes

Dimensions (WxHxD)	152 x 147 x 258 mm (6.0 x 5.8 x 10.2 in)
Weight	2.5 kg (5.51 lb)
Material	Aluminum
Colors	Black
Finishes	Powder Matte
IP Rating	IP64

**Kommander-KA02** | Amplifier

For technical specifications, see page 26



## Azimut-KAMUT2V25

**Vyper-KV25** | Speakers

### General

Type	Line array
Transducers	4 x 1" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	108 dB (peak)
Rated Power	75 W
Coverage	V. 25°   H. 140°
Connectors	2PIN euroblock connector (included)
Nominal Impedance	8 Ω / 32 Ω selectable

### Handling & Finishes

Dimensions (WxHxD)	40 x 260 x 22 mm (1.6 x 10.2 x 0.9 in)
Weight	0.4 kg (0.88 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating	IP64

**Truffle-KTR26** | Subwoofer

### General

Type	Passive subwoofer
Transducers	6.5" woofer + passive radiator
Frequency Response <sup>(1)</sup>	45 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	120 dB (peak)
Rated Power	100 W
Coverage	Omni
Connectors	2PIN euroblock connector (included)
Nominal Impedance	2 Ω

### Handling & Finishes

Dimensions (WxHxD)	182 x 176 x 341 mm (7.1 x 6.9 x 13.4 in)
Weight	3.5 kg (7.72 lb)
Material	Aluminum
Colors	Black
Finishes	Powder Matte
IP Rating	IP64

**Kommander-KA02** | Amplifier

For technical specifications, see page 26



## Azimut-KAMUT2L

**Lizard-KZ14** | Speakers

### General

Type	Line array
Transducers	4 x 0.5" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	500 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	98 dB (peak)
Rated Power	15 W
Coverage	V. 40°   H. 140°
Connectors	IN+ IN- screw terminals
Nominal Impedance	16 Ω

### Handling & Finishes

Dimensions (WxHxD)	22 x 100 x 11 mm (0.9 x 3.9 x 0.4 in)
Weight	0.059 kg (0.130 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished
IP Rating	IP64

**Rumble-KU44** | Subwoofer

### General

Type	Passive subwoofer
Transducers	2 x 4" neodymium magnet woofers 2 x 4" passive radiator
Frequency Response <sup>(1)</sup>	50 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	116 dB (peak)
Rated Power	120 W
Coverage	Omni
Connectors	4PIN euroblock connector (included)
Nominal Impedance	2 Ω

### Handling & Finishes

Dimensions (WxHxD) <sup>(11)</sup>	500 x 116 x 100 mm (19.7 x 4.6 x 4.0 in)
Weight	5.9 kg (13.0 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
Finishes	Gold, Polished, Brushed
IP Rating <sup>(7)</sup>	IP64

**Kommander-KA02** | Amplifier

For technical specifications, see page 26

# Azimut

A complete audio solution  
in a minimalist design package



Restaurants and Cafes



Hotels and Resorts



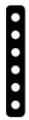
Retail



Museums and Exhibitions



Residential



## Lyzard

Ultra-miniature aluminum line array element



Restaurants and Cafes



Hotels and Resorts



Retail



Museums and Exhibitions



Residential



Yachting



### Lyzard-KZ1

#### General

Type	Point source
Transducers	0.5" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	500 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	86 dB (peak)
Rated Power	3.5 W
Coverage	V. 140°   H. 140°
Connectors	IN+ IN- screw terminals
Nominal Impedance	16 Ω

#### Handling & Finishes

Dimensions (WxHxD)	22 x 37 x 11 mm (0.9 x 1.5 x 0.4 in)
Weight	0.021 kg (0.046 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished
IP Rating	IP64



### Lyzard-KZ14

#### General

Type	Line array
Transducers	4 x 0.5" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	500 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	98 dB (peak)
Rated Power	15 W
Coverage	V. 40°   H. 140°
Connectors	IN+ IN- screw terminals
Nominal Impedance	16 Ω

#### Handling & Finishes

Dimensions (WxHxD)	22 x 100 x 11 mm (0.9 x 3.9 x 0.4 in)
Weight	0.059 kg (0.130 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished
IP Rating	IP64



### Vyper-KV25

#### General

Type	Line array
Transducers	4 x 1" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	108 dB (peak)
Rated Power	75 W
Coverage	V. 25°   H. 140°
Connectors	2PIN euroblock connector (included)
Nominal Impedance	8 Ω / 32 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	40 x 260 x 22 mm (1.6 x 10.2 x 0.9 in)
Weight	0.4 kg (0.88 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating	IP64



### Vyper-KV52

#### General

Type	Line array
Transducers	8 x 1" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	114 dB (peak)
Rated Power	150 W
Coverage	V. 10°   H. 140°
Connectors	2PIN euroblock connector (included)
Nominal Impedance	16 Ω / 64 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	40 x 500 x 22 mm (1.6 x 19.7 x 0.9 in)
Weight	0.7 kg (1.54 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating	IP64
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant

## Vyper

Ultra-flat aluminum line array element



Restaurants and Cafes



Houses of Worship



Broadcast and Studios



Boardrooms and Conference Rooms



Yachting

## Tornado

2" point source speaker  
carved from aluminum



Restaurants and Cafes



Hotels and Resorts



Retail



Museums and Exhibitions



Yachting



Theme Parks



**Tornado-KT2** | WALL MOUNT

### General

Type	Point source
Transducers	2" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	107 dB (peak)
Rated Power	18 W
Coverage	V. 90°   H. 90°
Connectors	4PIN euroblock connector (included)
Nominal Impedance	8 Ω / 32 Ω selectable 70V version avail. upon request

### Handling & Finishes

Dimensions (WxHxD) <sup>(10)</sup>	74 x 74 x 118 mm (2.91 x 2.91 x 4.65 in)
Weight	0.6 kg (1.32 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
IP Rating	IP65
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant



**Tornado-KT2C** | CEILING MOUNT

Type	Point source
Transducers	2" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	107 dB (peak)
Rated Power	18 W
Coverage	V. 90°   H. 90°
Connectors	4PIN euroblock connector (included)
Nominal Impedance	8 Ω / 32 Ω selectable 70V version avail. upon request

Dimensions (WxHxD) <sup>(10)</sup>	74 x 74 x 118 mm (2.91 x 2.91 x 4.65 in)
Weight	0.6 kg (1.32 lb)
Material	Aluminum
Colors	Black, White, Custom RAL
IP Rating	IP20
EN 54-24:2008 compliant	EN 54-24:2008 compliant



## Dragon-KX12

### General

Type	Point source
Transducers	Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	120 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Rated Power	1200 W
Coverage	User sel. V./H. 30°/100°   100°/30°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω

### Handling & Finishes

Dimensions (WxHxD)	340 x 320 x 201 mm (13.4 x 12.6 x 7.9 in)
Weight	12.2 kg (26.89 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP21

## Dragon

Compact passive 12" coaxial  
stainless steel array element



Large Congregations



Stadiums and Sport Venues



Nightclubs and Lounges



Broadcast and Studios



Theme Parks



**Turtle-KRM33P**

### General

Type	-
Transducers	3 x 3.15" neodymium magnet woofer 1 x 6" passive radiator
Frequency Response <sup>(1)</sup>	70 Hz – 20 kHz (-6 dB)
Max SPL <sup>(2)</sup>	121 dB (peak)
Rated Power	300 W
Coverage	V. 90°   H. 30° - 70° selectable
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω
Amp Module	
Output Power	

### Handling & Finishes

Dimensions (WxHxD)	266 x 103 x 302 mm (10.5 x 4.1 x 11.9 in)
Weight	5.2 kg (11.59 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP64

## Turtle

Low-profile, variable coverage  
stainless steel speaker



Theaters



Auditoriums and Concert Halls



Houses of Worship



Broadcast and Studios



Boardrooms and  
Conference Rooms

**Turtle-KRM33**

Type	Point source
Transducers	3 x 3.15" neodymium magnet woofer 1 x 6" passive radiator
Frequency Response <sup>(1)</sup>	70 Hz – 20 kHz (-6 dB)
Max SPL <sup>(2)</sup>	121 dB (peak)
Rated Power	-
Coverage	V. 90°   H. 30° - 70° selectable
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 125 W @ 4 Ω

Dimensions (WxHxD)	266 x 103 x 302 mm (10.5 x 4.1 x 11.9 in)
Weight	5.2 kg (11.59 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP40

# Anakonda

Flexible, 2-meter array element speaker



Event Productions



Theaters



Auditoriums and Concert Halls



Houses of Worship



Stadiums and Sport Venues



## General

Type	Line array
Transducers	8 x 1" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	102 dB (peak)
Rated Power	150 W
Coverage	V. 10°   H. 140°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	64 Ω

## Handling & Finishes

Dimensions (WxHxD)	2000 (±20 mm) x 56 x 35 mm (79.5 (±0.8 in) x 2.2 x 1.4 in)
Weight	1.4 kg (3.1 lb)
Material	PVC/Neoprene
Colors	Black, White
IP Rating	IP64

## Anakonda-KAN200

## Anakonda-KAN200+

## Anakonda-KAN200+8

Type	Line array
Transducers	16 x 1" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	108 dB (peak)
Rated Power	300 W
Coverage	V. 10°   H. 140°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	32 Ω

Type	Line array
Transducers	16 x 1" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	108 dB (peak)
Rated Power	300 W
Coverage	V. 10°   H. 140°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω

Dimensions (WxHxD)	2000 (±20 mm) x 56 x 35 mm (79.5 (±0.8 in) x 2.2 x 1.4 in)
Weight	1.9 kg (4.2 lb)
Material	PVC/Neoprene
Colors	Black, White
IP Rating	IP64

Dimensions (WxHxD)	2000 (±20 mm) x 56 x 35 mm (79.5 (±0.8 in) x 2.2 x 1.4 in)
Weight	1.9 kg (4.2 lb)
Material	PVC/Neoprene
Colors	Black, White
IP Rating	IP64

## Kobra

Stainless steel line array element with 2" drivers

## Python

Stainless steel line array element with 3.15" drivers

## Kayman

Stainless steel line array element with 4" drivers



Restaurants and Cafes



Theaters



Retail



Auditoriums and Concert Halls



Stadiums and Sport Venues



Theme Parks



Houses of Worship



Boardrooms and Conference Rooms



**Kobra-KK52**

**Kobra-KK102**

**Python-KP52**

**Python-KP102**

**Kayman-KY102**

### General

General	Kobra-KK52	Kobra-KK102	Python-KP52	Python-KP102	Kayman-KY102
Type	Line array				
Transducers	8 x 2" neodymium magnet woofers	16 x 2" neodymium magnet woofers	6 x 3.15" neodymium magnet woofers	12 x 3.15" neodymium magnet woofers	8 x 4" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)	150 Hz – 18 kHz (-6 dB)	120 Hz – 18 kHz (-6 dB)	120 Hz – 18 kHz (-6 dB)	120 Hz – 20 kHz (-6 dB)
Max SPL <sup>(3)</sup>	120 dB (peak)	126 dB (peak)	128 dB (peak)	134 dB (peak)	138 dB (peak)
Rated Power	200 W	400 W	360 W	720 W	1200 W
Coverage	V. 10° - 60°   H. 120°	V. 7° - 35°   H. 120°	V. 10° - 45°   H. 90°	V. 7° - 30°   H. 90°	V. 7° - 30°   H. 90°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)				
Nominal Impedance	16 Ω / 64 Ω selectable	8 Ω / 32 Ω selectable	8 Ω / 32 Ω selectable	4 Ω / 16 Ω selectable	8 Ω / 32 Ω selectable

### Handling & Finishes

Handling & Finishes	Kobra-KK52	Kobra-KK102	Python-KP52	Python-KP102	Kayman-KY102
Dimensions (WxHxD)	59 x 497 x 81 mm (2.3 x 19.6 x 3.2 in)	59 x 1000 x 81 mm (2.3 x 39.4 x 3.2 in)	89 x 520 x 118 mm (3.5 x 20.5 x 4.7 in)	89 x 1000 x 118 mm (3.5 x 39.4 x 4.7 in)	116 x 1000 x 134 mm (4.6 x 39.4 x 5.3 in)
Weight	2.3 kg (5.07 lb)	4.8 kg (10.6 lb)	5.8 kg (12.78 lb)	12.0 kg (26.5 lb)	14.9 kg (32.8 lb)
Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Colors	Black, White, Custom RAL	Black, White, Custom RAL	Black, White, Custom RAL	Black, White, Custom RAL	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed	24K Gold, Polished, Brushed	24K Gold, Polished, Brushed	24K Gold, Polished, Brushed	24K Gold, Polished, Brushed
IP Rating <sup>(5)</sup>	IP64	IP64	IP64	IP64	IP64
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant	EN 54-24:2008 compliant	EN 54-24:2008 compliant	EN 54-24:2008 compliant	EN 54-24:2008 compliant



# Domino

Full-range, compact stainless steel speakers



Restaurants and Cafes



Hotels and Resorts



Theme Parks



Theaters



Museums and Exhibitions



## Domino-KF26

## Domino-KF210

## Domino-KF212

### General

Type

Point source

Point source

Point source

Transducers

6" neodymium magnet woofer  
2" neodymium magnet woofer  
6" passive transducer

10" neodymium magnet woofer  
3" neodymium magnet woofer  
10" passive transducer

Coax. 12" woofer  
1.7" compression driver  
12" passive transducer

Frequency Response <sup>(1)</sup>

50 Hz – 19 kHz (-6 dB)

40 Hz – 19 kHz (-6 dB)

40 Hz – 19 kHz (-6 dB)

Max SPL <sup>(2)</sup>

115 dB (peak)

123 dB (peak)

130 dB (peak)

Rated Power

160 W

320 W

700 W

Coverage

V. 90° | H. 90°

V. 90° | H. 90°

V. 60° | H. 90°

Connectors

4PIN euroblock connector (included)

4PIN euroblock connector (included)

4PIN euroblock connector (included)

Nominal Impedance

8 Ω / 32 Ω

4 Ω / 16 Ω

8 Ω

### Handling & Finishes

Dimensions (WxHxD) <sup>(11)</sup>

180 x 350 x 118 mm (7.1 x 13.8 x 4.6 in)

282 x 500 x 151 mm (11.1 x 19.7 x 5.9 in)

330 x 655 x 200 mm (13.0 x 25.8 x 7.9 in)

Weight

6.5 kg (14.3 lb)

12 kg (26.5 lb)

23.5 kg (51.8 lb)

Material

Stainless Steel

Stainless Steel

Stainless Steel

Colors

Black, White, Custom RAL

Black, White, Custom RAL

Black, White, Custom RAL

Finishes

24K Gold, Polished, Brushed

24K Gold, Polished, Brushed

24K Gold, Polished, Brushed

IP Rating

IP64 <sup>(8)</sup>

IP64 <sup>(8)</sup>

IP43 <sup>(6)</sup>





- Event Productions
- Theaters
- Auditoriums and Concert Halls
- Nightclubs and Lounges
- Boardrooms and Conference Rooms
- Concerts and Live Events



**General**

Type  
Transducers  
Frequency Response <sup>(1)</sup>  
Max SPL <sup>(2)</sup>  
Coverage  
Amp Module  
Output Power  
Power consumption  
Connectors

**Thunder-KMT12**

Active subwoofer  
12" neodymium magnet driver  
45 Hz – 150 Hz (-6 dB)  
131 dB (peak)  
Omni  
2 ch. switch-mode, class D  
2 x 1000 W @ 8 Ω  
300 W, 1/8 Rated Power (Pink Noise)  
INPUT: 2x XLR (bal) line input, 1x XLR AES3 input  
OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output  
SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

**Thunder-KMT18**

Active subwoofer  
18" neodymium magnet driver  
35 Hz – 150 Hz (-6 dB)  
133 dB (peak)  
Omni  
2 ch. switch-mode, class D  
2 x 1000 W @ 8 Ω  
300 W, 1/8 Rated Power (Pink Noise)  
INPUT: 2x XLR (bal) line input, 1x XLR AES3 input  
OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output  
SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

**Thunder-KMT21**

Active subwoofer  
21" neodymium magnet driver  
30 Hz – 150 Hz (-6 dB)  
136 dB (peak)  
Omni  
2 ch. switch-mode, class D  
2 x 2400 W @ 4 Ω  
600 W, 1/8 Rated Power (Pink Noise)  
INPUT: 2x XLR (bal) line input, 1x XLR AES3 input  
OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output  
SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

**Thunder-KMT218**

Active subwoofer  
2 x 18" neodymium magnet driver  
30 Hz – 150 Hz (-6 dB)  
139 dB (peak)  
Omni  
2 ch. switch-mode, class D  
2 x 2400 W @ 4 Ω  
600 W, 1/8 Rated Power (Pink Noise)  
INPUT: 2x XLR (bal) line input, 1x XLR AES3 input  
OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output  
SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

**Handling & Finishes**

Dimensions (WxHxD) <sup>(12)</sup>  
Weight  
Material  
Colors  
IP Rating <sup>(9)</sup>

326 x 343 x 433 mm (12.8 x 13.5 x 17 in)  
15.6 kg (34.4 lb)  
Wood  
Black, White, Custom RAL  
IP40

465 x 482 x 600 mm (18.3 x 19 x 23.6 in)  
26.6 kg (58.6 lb)  
Wood  
Black, White, Custom RAL  
IP40

555 x 572 x 763 mm (21.8 x 22.5 x 30 in)  
44 kg (97 lb)  
Wood  
Black, White, Custom RAL  
IP40

951 x 482 x 600 mm (37.4 x 19 x 23.6 in)  
46 kg (101.4 lb)  
Wood  
Black, White, Custom RAL  
IP40

**General**

Type  
Transducers  
Frequency Response <sup>(1)</sup>  
Max SPL <sup>(2)</sup>  
Rated Power  
Coverage  
Connectors  
Nominal Impedance

**Thunder-KMT12P**

Passive subwoofer  
12" neodymium magnet woofer  
45 Hz – 150 Hz (-6 dB)  
131 dB (peak)  
1200 W  
Omni  
SpeakOn NL4  
1+ 1- (signal); 2+ 2- (through)  
8 Ω

**Thunder-KMT18P**

Passive subwoofer  
18" neodymium magnet woofer  
40 Hz – 150 Hz (-6 dB)  
133 dB (peak)  
1400 W  
Omni  
SpeakOn NL4  
1+ 1- (signal); 2+ 2- (through)  
8 Ω

**Thunder-KMT21P**

Passive subwoofer  
21" neodymium magnet woofer  
30 Hz – 150 Hz (-6 dB)  
136 dB (peak)  
2800 W  
Omni  
SpeakOn NL4  
1+ 1- (signal); 2+ 2- (through)  
4 Ω

**Thunder-KMT218P**

Passive subwoofer  
2 x 18" neodymium magnet woofer  
30 Hz – 150 Hz (-6 dB)  
139 dB (peak)  
2800 W  
Omni  
SpeakOn NL4  
1+ 1- (signal); 2+ 2- (through)  
4 Ω

**Handling & Finishes**

Dimensions (WxHxD) <sup>(12)</sup>  
Weight  
Material  
Colors  
IP Rating <sup>(9)</sup>

326 x 343 x 433 mm (12.8 x 13.5 x 17 in)  
12.8 kg (28.2 lb)  
Wood  
Black, White, Custom RAL  
IP43

465 x 482 x 600 mm (18.3 x 19 x 23.6 in)  
23.8 kg (52.5 lb)  
Wood  
Black, White, Custom RAL  
IP43

555 x 572 x 763 mm (21.8 x 22.5 x 30 in)  
40 kg (82.2 lb)  
Wood  
Black, White, Custom RAL  
IP43

951 x 482 x 600 mm (37.4 x 19 x 23.6 in)  
42 kg (92.6 lb)  
Wood  
Black, White, Custom RAL  
IP43



-  Restaurants and Cafes
-  Hotels and Resorts
-  Theme Parks
-  Retail
-  Broadcast and Studios
-  Museums and Exhibitions



**Rumble-KU44**

**Rumble-KU26**

**Rumble-KU210**

**Rumble-KU212**

**General**

Type	Passive subwoofer	Passive subwoofer	Passive subwoofer	Passive subwoofer
Transducers	2 x 4" neodymium magnet woofers 2 x 4" passive radiator	6" neodymium magnet woofers 6" passive radiator	10" neodymium magnet woofer 10" passive radiator	12" neodymium magnet woofer 12" passive radiator
Frequency Response <sup>(1)</sup>	50 Hz – 150 Hz (-6 dB)	45 Hz – 150 Hz (-6 dB)	40 Hz – 150 Hz (-6 dB)	35 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	116 dB (peak)	121 dB (peak)	127 dB (peak)	130 dB (peak)
Rated Power	120 W	160 W	320 W	700 W
Coverage	Omni	Omni	Omni	Omni
Connectors	4PIN euroblock connector (included)	4PIN euroblock connector (included)	4PIN euroblock connector (included)	4PIN euroblock connector (included)
Nominal Impedance	8 Ω / 32 Ω selectable	8 Ω / 32 Ω selectable	4 Ω / 16 Ω selectable	4 Ω / 16 Ω selectable

**Handling & Finishes**

Dimensions (WxHxD) <sup>(11)</sup>	500 x 116 x 100 mm (19.7 x 4.6 x 4.0 in)	350 x 180 x 118 mm (13.8 x 7.1 x 4.6 in)	500 x 282 x 151 mm (19.7 x 11.1 x 5.9 in)	655 x 330 x 200 mm (25.8 x 13.0 x 7.9 in)
Weight	5.9 kg (13.0 lb)	5.9 kg (13.0 lb)	11 kg (24.3 lb)	18.5 kg (40.8 lb)
Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Colors	Black, White, Custom RAL	Black, White, Custom RAL	Black, White, Custom RAL	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed	24K Gold, Polished, Brushed	24K Gold, Polished, Brushed	24K Gold, Polished, Brushed
IP Rating	IP64 <sup>(7)</sup>	IP64 <sup>(8)</sup>	IP64 <sup>(6)</sup>	IP64 <sup>(6)</sup>





**Truffle**

Extremely compact and easily concealable aluminum alloy subwoofers



Restaurants and Cafes



Hotels and Resorts



Fitness and Wellness



Retail



Museums and Exhibitions



Boardrooms and Conference Rooms



**General**

Type  
Transducers  
Frequency Response (1)  
Max SPL (2)  
Rated Power  
Coverage  
Connectors  
Nominal Impedance

**Truffle-KTR24**

Passive subwoofer  
4" woofer + passive radiator  
45 Hz – 150 Hz (-6 dB)  
112 dB (peak)  
60 W  
Omni  
2PIN euroblock connector (included)  
4 Ω

**Truffle-KTR25**

Passive subwoofer  
5.25" woofer + passive radiator  
45 Hz – 150 Hz (-6 dB)  
115 dB (peak)  
80 W  
Omni  
2PIN euroblock connector (included)  
4 Ω

**Truffle-KTR26**

Passive subwoofer  
6.5" woofer + passive radiator  
45 Hz – 150 Hz (-6 dB)  
120 dB (peak)  
100 W  
Omni  
2PIN euroblock connector (included)  
2 Ω

**Handling & Finishes**

Dimensions (WxHxD)  
Weight  
Material  
Colors  
Finishes  
IP Rating

122 x 117 x 199 mm (4.8 x 4.6 x 7.8 in)  
1.5 kg (3.31 lb)  
Aluminum  
Black  
Powder Matte  
IP64

152 x 147 x 258 mm (6.0 x 5.8 x 10.2 in)  
2.5 kg (5.51 lb)  
Aluminum  
Black  
Powder Matte  
IP64

182 x 176 x 341 mm (7.1 x 6.9 x 13.4 in)  
3.5 kg (7.72 lb)  
Aluminum  
Black  
Powder Matte  
IP64



# Kommander

All-in-one stainless steel amplifier and processing solution



Restaurants and Cafes



Theaters



Auditoriums and Concert Halls



Houses of Worship



Boardrooms and Conference Rooms



**Kommander-KA02**



**Kommander-KA14**



**Kommander-KA24**



**Kommander-KA84**



**Kommander-KA14**

**Kommander-KA24**

**Kommander-KA84**

**Kommander-KA02**

**General**

Rated Power 4 x 250 W @ 4 Ω  
 Frequency Response <sup>(1)</sup> 20 Hz – 20 kHz (±1 dB)  
 Impedance minimum 4 Ω  
 AC input operating range 100-240 V ±10%, 50-60 Hz

Nominal power consumption 400 W, 1/8 Rated Power (Pink Noise)  
 IP rating IP20

**Handling & Finishes**

Dimensions (WxHxD) 426 x 87 x 302 mm (16.7 x 3.4 x 11.9 in)  
 Weight 3.8 kg (8.37 lb)  
 Colors Black

4 x 500 W @ 4 Ω  
 20 Hz – 20 kHz (±1 dB)  
 minimum 4 Ω  
 100-240 V ±10%, 50-60 Hz

600 W, 1/8 Rated Power (Pink Noise)  
 IP20

426 x 87 x 302 mm (16.7 x 3.4 x 11.9 in)  
 5.4 kg (11.9 lb)  
 Black

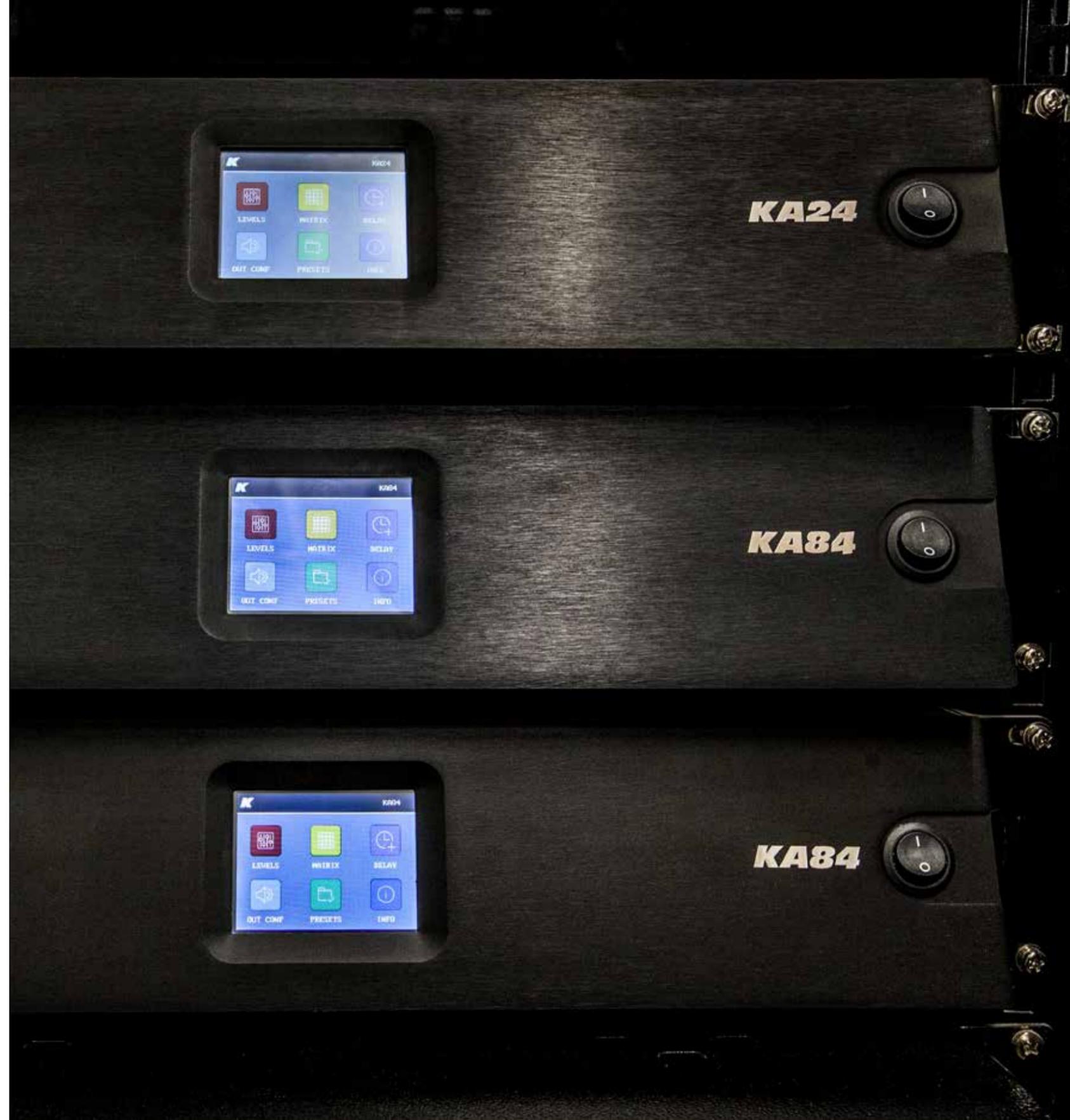
4 x 2000 W @ 4 Ω  
 20 Hz – 20 kHz (±1 dB)  
 minimum 4 Ω  
 100-240 V ±10%, 50-60 Hz

600 W, 1/8 Rated Power (Pink Noise)  
 IP20

426 x 87 x 302 mm (16.7 x 3.4 x 11.9 in)  
 6.4 kg (14.1 lb)  
 Black

4 x 50W @ 4Ω  
 20 Hz – 20 kHz (±1 dB)  
 minimum 4 Ω (2 Ω PBTL)  
 Dedicated AC/DC power adapter  
 100-240V ~ AC, 50-60 Hz input /  
 24 V, 4 A DC output  
 20 W, 1/8 Rated Power (Pink Noise)  
 IP20

144 x 144 x 46 mm (5.7 x 5.7 x 1.8 in)  
 0.5 kg (1.1 lb)  
 Black



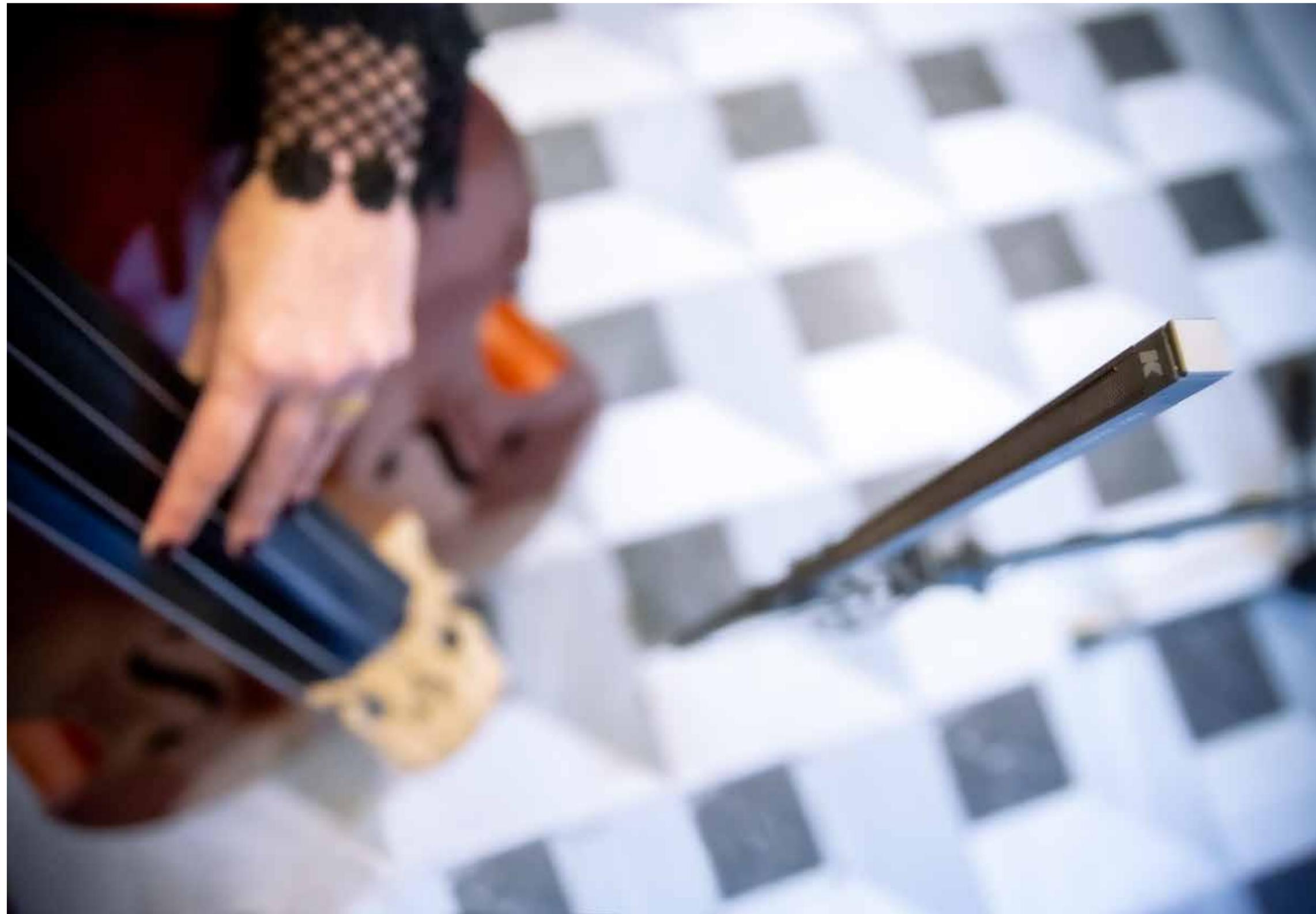
**Capture**  
Incredibly thin line array microphone  
with Pure Array Technology

Ever since K-array launched its first slim column speaker in 2007, it has maintained its leadership position of sleek line arrays: with every subsequent product release, the company has perfected its line arrays composed of closely-spaced, full-range sound sources by incorporating its Pure Array Technology.

This same line array technology is now being applied to microphones. The Capture-KMC20 is the smallest line array microphone in the market featuring PAT technology composed of 8 x 4 mm cardioid capsules aligned in a line array configuration.

The Capture-KMC50 is the natural evolution of the KMC20. Featuring PAT technology composed of 16 x 6 mm electret condenser cardioid capsules aligned in a line array configuration, the Capture-KMC50 has been designed for voice and instrument as well as for capturing environmental sound with the precision of a perfect directive microphone.

These incredibly thin microphones have all the advantages of a K-array line array speaker.



**Capture**  
Incredibly thin line array microphone  
with Pure Array Technology

**Capture-KMC20**



Theaters



Auditoriums and Concert Halls



Houses of Worship



Boardrooms and Conference Rooms



Broadcast and Studios

**Capture-KMC50**



Theaters



Auditoriums and Concert Halls



Houses of Worship



Boardrooms and Conference Rooms



Broadcast and Studios



Large Congregations



Stadiums and Sport Venues



Concerts and Live Events



**Capture-KMC20V / KMC20H / KMC20**

**General**

Transducers Type	8 x 4 mm electret condenser
Frequency Response <sup>(1)</sup>	65 – 15000 Hz (-6 dB)
Polar Pattern	Cardioid array
Sensitivity	-37 dBV (Re 94 dB SPL)
Max Input SPL	100 dB
Phantom Supply Voltage	36 to 52 Vdc, (+) pins 2 and 3

**Handling & Finishes**

Dimension (WxHxD)	6 x 200* x 6 mm (0.24 x 7.90 x 0.24 in)
Weight	0.032 kg (0.070 lb)
Finishes	Ruthenium Plated Brass

\* Net length of the microphone bar, base excluded.



**Capture-KMC50**

**General**

Transducers Type	16 x 6 mm electret condenser
Frequency Response <sup>(1)</sup>	55 – 20000 Hz (-6 dB)
Polar Pattern	Cardioid array
Sensitivity	-39 dBV (Re 94 dB SPL)
Max Input SPL	110 dB
Phantom Supply Voltage	36 to 52 VDC, (+) pins 2 and 3

**Handling & Finishes**

Dimension (WxHxD)	10 x 510 x 10 mm (0.39 x 20.07 x 0.39 in)
Weight	0.080 kg (0.176 lb)
Finishes	Ruthenium Plated Brass

**Power Supply**

Preamplifier	Single unit: wired preamplifier Multiple units: preamplifier box requiring external 5 VDC 500 mA power supply
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## Portable Systems

With ultra-fast setup and dismantling, the high tech, ultra-light powered speaker systems in K-array's Portable Systems line is the perfect audio solution for temporary installations.

By combining the slim and sleek loudspeakers with the compact and powerful subwoofers from our Installed Sound product category, K-array's Portable Systems give users all the technology from a fixed installation with the convenience of a deployable audio system.

Equipped with conjoining hardware, the Portable Systems line has the capability to fly the line array elements, which can even be calibrated into a banana shape for the most complex applications or stacked atop the subs for the simplest setups.

Varying in size, the systems are ideal for theaters, concert halls, museums and any kind of corporate event. The systems are weather resistant making them a perfect solution for outdoor setups, as well as live shows and spoken word.



In the realm of event productions, the equipment required for a successful event is as important as the event itself.

Careful consideration is given to every aspect so that they harmonize and do not detract from the look and layout of the occasion.

Providing a niche acoustics solution for the event productions market, the K-array Event line offers complete audio kits for this visually-driven segment.





## Event-KREV101

All-white mono column  
for event productions



Event Productions



Theaters



Auditoriums and Concert Halls



Broadcast and Studios



Nightclubs and Lounges

## Event-KREV102

All-white mono column with  
modular elements



Event Productions



Theaters



Auditoriums and Concert Halls



Broadcast and Studios



Nightclubs and Lounges

### Thunder-KMT12 I | Subwoofer

#### General

Type	Active subwoofer
Transducers	12" neodymium magnet driver
Frequency Response <sup>(1)</sup>	45 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	131 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 1000 W @ 8 Ω
Power consumption	300 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	326 x 343 x 433 mm (12.8 x 13.5 x 17 in)
Weight	15.6 kg (34.4 lb)
Material	Wood
Colors	White
IP Rating <sup>(9)</sup>	IP40

### Kobra-KK102 I | Speaker

#### General

Type	Line array
Transducers	16 x 2" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	126 dB (peak)
Rated Power	400 W
Coverage	V. 7° - 35°   H. 120°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω / 32 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	59 x 1000 x 81 mm (2.3 x 39.4 x 3.2 in)
Weight	4.8 kg (10.6 lb)
Material	Stainless Steel
Colors	White
Finishes	24K Gold, Polished, Brushed
IP Rating <sup>(6)</sup>	IP64
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant

### Thunder-KMT12 I | Subwoofer

#### General

Type	Active subwoofer
Transducers	12" neodymium magnet driver
Frequency Response <sup>(1)</sup>	45 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	131 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 1000 W @ 8 Ω
Power consumption	300 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	326 x 343 x 433 mm (12.8 x 13.5 x 17 in)
Weight	15.6 kg (34.4 lb)
Material	Wood
Colors	White
IP Rating <sup>(9)</sup>	IP40

### Kobra-KK102 I | Speaker

#### General

Type	Line array
Transducers	16 x 2" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	126 dB (peak)
Rated Power	400 W
Coverage	V. 7° - 35°   H. 120°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω / 32 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	59 x 1000 x 81 mm (2.3 x 39.4 x 3.2 in)
Weight	4.8 kg (10.6 lb)
Material	Stainless Steel
Colors	White
Finishes	24K Gold, Polished, Brushed
IP Rating <sup>(6)</sup>	IP64
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant

### Anakonda-KAN200+ | Speakers x 4

#### General

Type	Line array
Transducers	16 x 1" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	108 dB (peak)
Rated Power	300 W
Coverage	V. 10°   H. 140°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	32 Ω

#### Handling & Finishes

Dimensions (WxHxD)	2000 (±20 mm) x 56 x 35 mm (79.5 (±0.8 in) x 2.2 x 1.4 in)
Weight	1.9 kg (4.2 lb)
Material	PVC/Neoprene
Colors	White
IP Rating	IP64

Note: The configuration can only be used alternatively with the Kobra column or the Anakonda components.



## Event-KREV80

All-white modular setup  
for event productions



Event Productions



Theaters



Auditoriums and Concert Halls



Broadcast and Studios



Nightclubs and Lounges



### Thunder-KMT12 I | Subwoofer

#### General

Type	Active subwoofer
Transducers	12" neodymium magnet driver
Frequency Response <sup>(1)</sup>	45 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	131 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 1000 W @ 8 Ω
Power consumption	300 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	326 x 343 x 433 mm (12.8 x 13.5 x 17 in)
Weight	15.6 kg (34.4 lb)
Material	Wood
Colors	White
IP Rating <sup>(3)</sup>	IP40

### Anakonda-KAN200+ | Speakers x 4

#### General

Type	Line array
Transducers	16 x 1" neodymium magnet woofer
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	108 dB (peak)
Rated Power	300 W
Coverage	V. 10°   H. 140°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	32 Ω

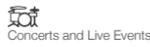
#### Handling & Finishes

Dimensions (WxHxD)	2000 (±20 mm) x 56 x 35 mm 79.5 (±0.8 in) x 2.2 x 1.4 in)
Weight	1.9 kg (4.2 lb)
Material	PVC/Neoprene
Colors	Black, White
IP Rating	IP64



## Pinnacle-KR102

High tech, small-format  
powered stereo system



### Thunder-KMT12 | Subwoofers

#### General

Type	Active subwoofer
Transducers	12" neodymium magnet driver
Frequency Response <sup>(1)</sup>	45 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	131 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 1000 W @ 8 Ω
Power consumption	300 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	326 x 343 x 433 mm (12.8 x 13.5 x 17 in)
Weight	15.6 kg (34.4 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating <sup>(9)</sup>	IP40

### Kobra-KK102 | Speakers

#### General

Type	Line array
Transducers	16 x 2" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	126 dB (peak)
Rated Power	400 W
Coverage	V. 7° - 35°   H. 120°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω / 32 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	59 x 1000 x 81 mm (2.3 x 39.4 x 3.2 in)
Weight	4,8 kg (10.6 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating <sup>(5)</sup>	IP64
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant

### Thunder-KMT21 | Subwoofers

#### General

Type	Active subwoofer
Transducers	21" neodymium magnet driver
Frequency Response <sup>(1)</sup>	30 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	136 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 2400 W @ 4 Ω
Power consumption	600 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	555 x 572 x 763 mm (21.8 x 22.5 x 30 in)
Weight	44 kg (97 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating <sup>(9)</sup>	IP40

## Pinnacle-KR402

High-tech, medium-format  
powered stereo system



### Python-KP102 | Speakers

#### General

Type	Line array
Transducers	12 x 3.15" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	120 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	134 dB (peak)
Rated Power	720 W
Coverage	V. 7° - 30°   H. 90°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	4 Ω / 16 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	89 x 1000 x 118 mm (3.5 x 39.4 x 4.7 in)
Weight	12.0 kg (26.5 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating <sup>(5)</sup>	IP64
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant

## Pinnacle-KR202

High tech, small to medium-format  
powered stereo system



### Thunder-KMT18 | Subwoofers

#### General

Type	Active subwoofer
Transducers	18" neodymium magnet driver
Frequency Response <sup>(1)</sup>	35 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 1000 W @ 8 Ω
Power consumption	300 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	465 x 482 x 600 mm (18.3 x 19 x 23.6 in)
Weight	26.6 kg (58.6 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating <sup>(9)</sup>	IP40

### Kobra-KK102 I | Speakers

#### General

Type	Line array
Transducers	16 x 2" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	150 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	126 dB (peak)
Rated Power	400 W
Coverage	V. 7° - 35°   H. 120°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω / 32 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	59 x 1000 x 81 mm (2.3 x 39.4 x 3.2 in)
Weight	4.8 kg (10.6 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating <sup>(5)</sup>	IP64
EN54-24 <sup>(4)</sup>	EN 54-24:2008 compliant

### Thunder-KMT218 | Subwoofers

#### General

Type	Active subwoofer
Transducers	2 x 18" neodymium magnet driver
Frequency Response <sup>(1)</sup>	30 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	139 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 2400 W @ 4 Ω
Power consumption	600 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	951 x 482 x 600 mm (37.4 x 19 x 23.6 in)
Weight	46 kg (101.4 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating <sup>(9)</sup>	IP40

### Kayman-KY102 | Speakers

#### General

Type	Line array
Transducers	8 x 4" neodymium magnet woofers
Frequency Response <sup>(1)</sup>	120 Hz – 20 kHz (-6 dB)
Max SPL <sup>(2)</sup>	138 dB (peak)
Rated Power	1200 W
Coverage	V. 7° - 30°   H. 90°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω / 32 Ω selectable

#### Handling & Finishes

Dimensions (WxHxD)	116 x 1000 x 134 mm (4.6 x 39.4 x 5.3 in)
Weight	14.9 kg (32.8 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
Finishes	24K Gold, Polished, Brushed
IP Rating <sup>(5)</sup>	IP64

## Pinnacle-KR802

High-tech, large-format  
powered stereo system



## Axle-KRX202

Small format, multi-use powered system



Theme Parks



Event Productions



Stadiums and Sport Venues



Nightclubs and Lounges



Concerts and Live Events



### Thunder-KMT18 | Subwoofers

#### General

Type	Active subwoofer
Transducers	18" neodymium magnet driver
Frequency Response <sup>(1)</sup>	35 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 1000 W @ 8 Ω
Power consumption	300 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	465 x 482 x 600 mm (18.3 x 19 x 23.6 in)
Weight	26.6 kg (58.6 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating <sup>(9)</sup>	IP40 <sup>(4)</sup>

### Dragon-KX12 | Speakers

#### General

Type	Point source
Transducers	Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	120 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Rated Power	1200 W
Coverage	User sel. V./H. 30°/100°   100°/30°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω

#### Handling & Finishes

Dimensions (WxHxD)	340 x 320 x 201 mm (13.4 x 12.6 x 7.9 in)
Weight	12.2 kg (26.89 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP21

### Thunder-KMT218 | Subwoofers

#### General

Type	Active subwoofer
Transducers	2 x 18" neodymium magnet driver
Frequency Response <sup>(1)</sup>	30 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	139 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 2400 W @ 4 Ω
Power consumption	600 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	951 x 482 x 600 mm (37.4 x 19 x 23.6 in)
Weight	46 kg (101.4 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating <sup>(9)</sup>	IP40

### Dragon-KX12 | Speakers

#### General

Type	Point source
Transducers	Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	120 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Rated Power	1200 W
Coverage	User sel. V./H. 30°/100°   100°/30°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω

#### Handling & Finishes

Dimensions (WxHxD)	340 x 320 x 201 mm (13.4 x 12.6 x 7.9 in)
Weight	12.2 kg (26.89 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP21

## Axle-KRX802

Large format, multi-use powered system



Theme Parks



Event Productions



Stadiums and Sport Venues



Nightclubs and Lounges



Concerts and Live Events



## Axle-KRX402

Medium format, multi-use powered system



Theme Parks



Event Productions



Stadiums and Sport Venues



Nightclubs and Lounges



Concerts and Live Events



### Thunder-KMT21 | Subwoofers

#### General

Type	Active subwoofer
Transducers	21" neodymium magnet driver
Frequency Response <sup>(1)</sup>	30 Hz – 150 Hz (-6 dB)
Max SPL <sup>(2)</sup>	136 dB (peak)
Coverage	Omni
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 2400 W @ 4 Ω
Power consumption	600 W, 1/8 Rated Power (Pink Noise)
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

#### Handling & Finishes

Dimensions (WxHxD)	555 x 572 x 763 mm (21.8 x 22.5 x 30 in)
Weight	44 kg (97 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating <sup>(9)</sup>	IP40

### Dragon-KX12 | Speakers

#### General

Type	Point source
Transducers	Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	120 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Rated Power	1200 W
Coverage	User sel. V./H. 30°/100°   100°/30°
Connectors	SpeakOn NL4 1+ 1- (signal); 2+ 2- (through)
Nominal Impedance	8 Ω

#### Handling & Finishes

Dimensions (WxHxD)	340 x 320 x 201 mm (13.4 x 12.6 x 7.9 in)
Weight	12.2 kg (26.89 lb)
Material	Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP21

The KX12 features a 12" woofer and a compression driver coupled to an asymmetric horn. Because of its asymmetrical, the horn's sound dispersion pattern is different in respect to its axes: the sound dispersion is wide along the axis labeled FLOOD and narrow along the axis labeled SPOT. The horn can be manually rotated 90° using the two handles situated at the front.

FLOOD



In this position the sound dispersion pattern is wide (FLOOD - 100°) in the horizontal plane and narrow (SPOT - 30°) in the vertical plane.

SPOT



In this position the sound dispersion pattern is narrow (SPOT - 30°) in the horizontal plane and wide (FLOOD - 100°) in the vertical plane.

## Concert Series

Research conducted over 10 years to develop the next generation of touring systems has been applied to the company's signature product category, Concert Series. This groundwork led to the creation of K-array's unique technologies which are some of the most advanced on the market.

With Slim Array Technology (SAT), the practicality of transporting, the ease of assembly and the overall minimal footprint of the cluster are some of the biggest advantages offered to the user. The main benefit is that the compact design allows for a better impulse response with respect to a diffuser with a voluminous box and controls the horizontal directivity even at medium-low frequencies where traditional line arrays elements tend to be nearly omni-directional.

Another technology, Electronic Beam Steering (EBS), gives the user the ability to digitally adjust the dispersion of a line array and not only ensures the same listening experience to all audience members but, at the same time, limits the noise pollution in the areas where the sound pressure must be kept at a minimum. The use of FIR filters is the biggest advantage of our EBS since it provides extremely high frequency resolution, which would not be possible using delays and traditional filters.

These technological advancements in K-array's Mugello Series and Firenze Systems, along with other important features such as premium materials and impeccable sound quality, put K-array products on the forefront of cutting-edge professional sound reinforcement.





# Mugello

Electronic beam steerable,  
powered line array speakers



Theaters



Large Congregations



Stadiums and Sport Venues



Nightclubs and Lounges



Concerts and Live Events



## Mugello-KH2

## Mugello-KH3

## Mugello-KH5

## Mugello-KS5

General	
Type	Active line array element
Transducers	2 x 8" neodymium magnet woofer with 2.5" voice coil 2 x compression driver with 2.5" voice coil
Frequency Response <sup>(1)</sup>	120 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	136 dB peak
Coverage	V. 20°   H. 110°
Controllers	Remote control with dedicated PC software via USB or RS485. Onboard touch screen display
Connectors	Analog: 2x XLR (bal) input signal 2x XLR (bal) parallel output Digital: 1x XLR AES3 input 1x XLR AES3 output
Built-in	Input gain, delay up to 330 ms, 8 full parametric IIR filters (Peaking, Shelving, Hi/Lo pass, Hi/Lo Butterworth), FIR filter for electronic beam steering Onboard preset, Level and temperature remote monitoring
Amp Module	2-ch., switch mode, class D
Output Power	2x 1000 W @ 8 Ω 1% THD+N
Power Consumption	300 W @ 8 Ω load, Pink noise 1/8 rated power
Protections	Over Temp. (Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
Operating Range	100-240V AC, 50-60 Hz with PFC
Mains Connector	powerCON with link inlet
Handling & Finishes	
Dimensions (WxHxD)	860 x 370 x 210 mm (33.8 x 14.6 x 8.2 in) with rigging hardware 735 x 285 x 200 mm (28.9 x 11.2 x 7.9 in) net dimensions
Weight	29 kg (63.93 lb) (with rigging hardware)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating	IP20 (IP53 with K-AMPCOVER accessory)





# Mastiff

Low-profile, high power stage monitor



Concerts and Live Events



Large Congregations



Broadcast and Studios



Nightclubs and Lounges



Theaters



### Mastiff-KM112

### Mastiff-KM112P

### Mastiff-KM312

### Mastiff-KM312P

#### General

Type	Active subwoofer
Transducers	Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	70 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Rated Power	-
Coverage	Selectable: V/H – 30°/100°   100°/30°
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

Type	Passive subwoofer
Transducers	Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	70 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	133 dB (peak)
Rated Power	1200 W
Coverage	Selectable: V/H – 30°/100°   100°/30°
Connectors	SpeakOn NL4 1+ 1- (signal) 2+ 2- (through)

Type	Active subwoofer
Transducers	2 x 12" neodymium magnet woofer + 1 x Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	60 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	138 dB (peak)
Rated Power	-
Coverage	Selectable: V/H – 30°/100°   100°/30°
Connectors	INPUT: 2x XLR (bal) line input, 1x XLR AES3 input OUTPUT: 1x SpeakOn loudspeaker output + 2x XLR (bal) parallel line output, 1x XLR AES3 output SERIAL: 1x XLR RS485 serial input, 1x XLR RS485 serial output, 1x USB-B inlet

Type	Passive subwoofer
Transducers	2 x 12" neodymium magnet woofer + 1 x Coaxial 12" woofer + 2.4" compression driver
Frequency Response <sup>(1)</sup>	60 Hz – 19 kHz (-6 dB)
Max SPL <sup>(2)</sup>	138 dB (peak)
Rated Power	2000W + 1000W
Coverage	Selectable: V/H – 30°/100°   100°/30°
Connectors	SpeakOn NL4 1+ 1- (MF-HF); 2+ 2- (LF)

Nominal Impedance	-
Power Consumption	300 W, 1/8 Rated Power (Pink Noise)

Nominal Impedance	8 Ω
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Nominal Impedance	-
Power Consumption	600 W, 1/8 Rated Power (Pink Noise)

Nominal Impedance	LF: 4 Ω   MF-HF: 8 Ω
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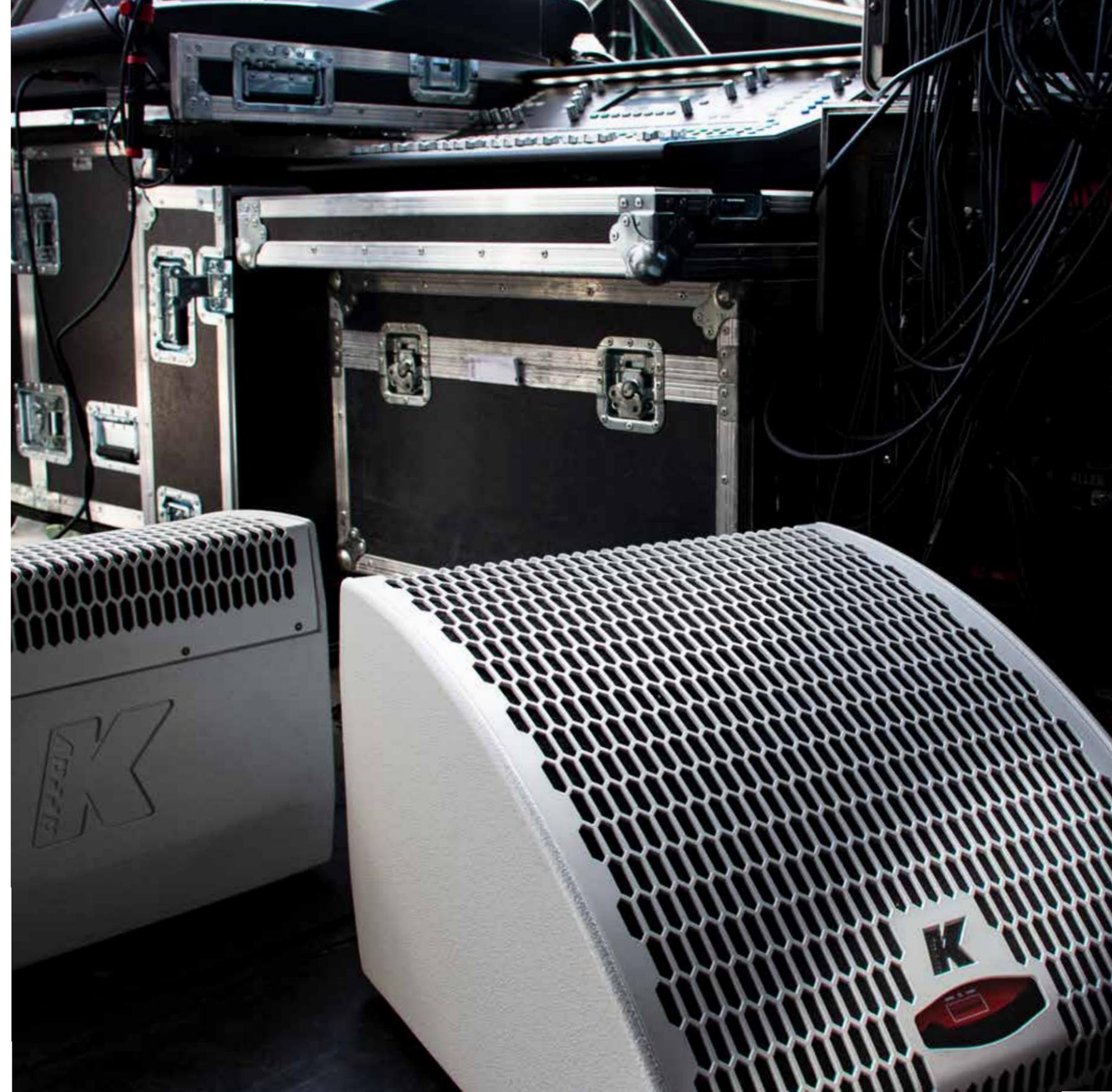
#### Handling & Finishes

Dimensions (WxHxD) <sup>(12)</sup>	450 x 351 x 530 mm (17.7 x 13.8 x 20.9 in)
Weight	23 kg (50.7 lb)
Material	Wood/Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP20
Amp Module	2 ch. switch-mode, class D
Output Power	2 x 1000 W @ 8 Ω

Dimensions (WxHxD) <sup>(12)</sup>	450 x 351 x 530 mm (17.7 x 13.8 x 20.9 in)
Weight	23 kg (50.7 lb)
Material	Wood/Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP20

Dimensions (WxHxD) <sup>(12)</sup>	820 x 351 x 530 mm (32.3 x 13.8 x 20.9 in)
Weight	37.5 kg (82.67 lb)
Material	Wood/Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP20
Amp Module	4 ch. switch-mode, class D
Output Power	4 x 1600 W @ 4 Ω

Dimensions (WxHxD) <sup>(12)</sup>	820 x 351 x 530 mm (32.3 x 13.8 x 20.9 in)
Weight	37.5 kg (82.7 lb)
Material	Wood/Stainless Steel
Colors	Black, White, Custom RAL
IP Rating	IP20





## Firenze

Electronic beam steerable,  
powered line array speakers

K-array's Firenze Series is an extremely compact loudspeaker system with a high-power density. Slim and compact, these self-powered and weather resistant speakers provide an exceptional peak output and are fully controlled by onboard DSPs for hyper-detailed beam steering and maximum operational flexibility.

Firenze Series' ability to electronically steer the acoustics allows users to direct the sound beam to concentrate the audio in a targeted area to adapt to any layout in a large venue. The sound performance is maximized with the ability to precisely and independently control each element of the array eliminating noise pollution.

Just by looking at the loudspeaker, it's apparent the Firenze is a lightweight solution that won't disrupt the overall layout of the venue and its sleek design helps to integrate it seamlessly. Flown in under 10 minutes, the Firenze saves space along with transportation costs but the biggest benefit of its Slim Array Technology is that it improves upon traditional loudspeakers by producing a better sound. The compact design allows sound to exit instantaneously without resonance generating a generous amount of sound pressure in the low and low-mid range which results in a better impulse response and maximum clarity and definition.



# Firenze

Electronic beam steerable,  
powered line array speakers

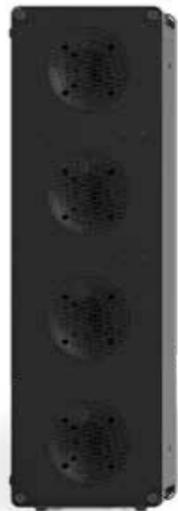
Concerts and Live Events

Large Congregations

Stadiums and Sport Venues

Nightclubs and Lounges

Theaters



## Firenze-KH7

<b>General</b>	
Type	Active line array element
Transducers	4x Coaxial 12" Neodymium magnet driver with 3" voice coil with Neodymium magnet compression driver with 2" voice coil
Frequency Response <sup>(1)</sup>	90 Hz – 18 kHz (-6 dB)
Max SPL <sup>(2)</sup>	141 dB peak
Coverage	100° H / 30° V or 30° H / 100° V + digital adjustment with Electronic Beam Steering
Controllers	Remote control with dedicated PC software via Ethernet
Connectors	Analog: 1x XLR (bal) input signal 1x XLR (bal) parallel output Digital: 1x XLR AES3 input
Built-in	Input gain, delay up to 2 s, Full parametric IIR filters (Peaking, Shelving, Hi/Lo pass, Hi/Lo Butterworth), FIR filter for digital beam steering Level and Temperature remote monitoring
Amp Module	4-ch., switch mode, class D
Output Power	4x 2000 W @ 4 Ω 1% THD+N
Power Consumption	600 W @ 8 Ω load, Pink noise 1/8 rated power
Protections	Over Temp. (Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
Operating Range	100-240V AC, 50-60 Hz with PFC
Mains Connector	powerCON True with link inlet
<b>Handling &amp; Finishes</b>	
Dimensions (WxHxD)	1170 x 350 x 200 mm (46 x 13.8 x 7.9 in)
Weight	52 kg (114.64 lb)
Material	Stainless Steel
Colors	Black, Custom RAL
IP Rating	IP53

## Firenze-KH8

<b>General</b>	
Type	Active line array element
Transducers	8x 8" Neodymium magnet woofer with 2.5" voice coil 8x 4" Neodymium magnet drivers with 1.5" voice coil 4x Neodymium magnet compression driver with 1.5" voice coil
Frequency Response <sup>(1)</sup>	70 Hz – 18 kHz (-3 dB)
Max SPL <sup>(2)</sup>	145 dB peak
Coverage	Horizontal: 120° Vertical: digitally adjustable with Electronic Beam Steering
Controllers	Remote control with dedicated PC software via Ethernet
Connectors	Analog, AES3 and Remote control: Easy-grip metal locking LK25 connector (MIL C 5015 and VG95234 spec.)
Built-in	Input gain, delay up to 2 s, Full parametric IIR filters (Peaking, Shelving, Hi/Lo pass, Hi/Lo Butterworth), FIR filter for digital beam steering Level and Temperature remote monitoring
Amp Module	4-ch., switch mode, class D
Output Power	8x 2000 W @ 4 Ω 1% THD+N
Power Consumption	1250 W @ 4 Ω load, Pink noise 1/8 rated power
Protections	Over Temp. (Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
Operating Range	100-240V AC, 50-60 Hz with PFC
Mains Connector	powerCON True
<b>Handling &amp; Finishes</b>	
Dimensions (WxHxD)	1170 x 500 x 226 mm (46.1 x 19.7 x 8.89 in)
Weight	75,2 kg (159.84 lb)
Material	Stainless Steel
Colors	Black, Custom RAL
IP Rating	Speaker Box: IP45 / Electronics: IP65

## Firenze-KS7

<b>General</b>	
Type	Active subwoofer
Transducers	2x 21" Neodymium magnet woofer with 5.31" voice coil
Frequency Response <sup>(1)</sup>	25 Hz – 120 Hz (-6 dB)
Max SPL <sup>(2)</sup>	141 dB peak
Coverage	Omni
Controllers	Remote control with dedicated PC software via Ethernet
Connectors	Analog: 1x XLR (bal) input signal 1x XLR (bal) parallel output Digital: 1x XLR AES3 input
Built-in	Input gain, delay up to 2 s, Full parametric IIR filters (Peaking, Shelving, Hi/Lo pass, Hi/Lo Butterworth), Level and Temperature remote monitoring
Amp Module	2-ch., switch mode, class D
Output Power	2x 3500 W @ 2 Ω 1% THD+N
Power Consumption	600 W @ 4 Ω load, Pink noise 1/8 rated power
Protections	Over Temp. (Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Power Limiting, Clip Limiter/Permanent Signal Limiter, High Frequency Protection
Operating Range	100-240V AC, 50-60 Hz with PFC
Mains Connector	powerCON True with link inlet
<b>Handling &amp; Finishes</b>	
Dimensions (WxHxD)	1162 x 590 x 851 mm (45.7 x 23.2 x 33.5 in)
Weight	104.4 kg (230.16 lb)
Material	Wood
Colors	Black, White, Custom RAL
IP Rating	IP53

## Firenze-KS8

<b>General</b>	
Type	Active subwoofer
Transducers	2x 21" Neodymium magnet woofer with 5.31" voice coil
Frequency Response <sup>(1)</sup>	25 Hz – 120 Hz (-6 dB)
Max SPL <sup>(2)</sup>	148 dB peak
Coverage	Omni
Controllers	Remote control with dedicated PC software via Ethernet
Connectors	Analog, AES3 and Remote control: Easy-grip metal locking LK25 connector (MIL C 5015 and VG95234 spec.)
Built-in	Input gain, delay up to 2 s, Full parametric IIR filters (Peaking, Shelving, Hi/Lo pass, Hi/Lo Butterworth), Level and Temperature remote monitoring
Amp Module	Switching-mode, class D with IPAL® technology
Output Power	8500 W @ 1 Ω
Power Consumption	400 VA
Protections	Over Temp. (Power Limiting – Thermal Shutdown), Short Circuit/Overload Output Protection, Excursion limiter, Current & Power limiter, Current clamp, Clip limiter, Brownout limiter
Operating Range	100-240V AC, 50-60 Hz with PFC
Mains Connector	powerCON True
<b>Handling &amp; Finishes</b>	
Dimensions (WxHxD)	1420 x 600 x 775 mm (55.90 x 23.6 x 30.5 in)
Weight	148 kg (326.3 lb)
Material	Wood
Colors	Black, Custom RAL
IP Rating	Speaker Box: IP45 / Electronics: IP65

# Firenze

Electronic beam steerable,  
powered line array speakers

Concerts and Live Events

Large Congregations

Stadiums and Sport Venues

Nightclubs and Lounges

Theaters



Initially used at a professional level as a concert monitor for musicians, in-ear headphones have now become a mass product thanks to the diffusion of listening on the move offering the advantages of portability and lightness as well as the passive soundproofing of the external environment.

Always evolving to meet industry needs, K-array has developed the Duetto, ultra-mini, high-quality aluminum alloy earbuds.





**Duetto-KD6T**



**Duetto-KD6B**



**Duetto-KD6BT** 

**General**

Transducers | 6 mm neodymium magnet  
 Frequency Response (1) | 5 Hz – 23 kHz  
 Sensitivity | 105 ± 3 dB @ 1 kHz (1W/1m)  
 Impedance | 16Ω ±15%  
 Jack plug | 3.5 mm, straight

**Handling & Finishes**

Finishes / Color | 24K Gold, Titanium-anodized Oxidation  
 Material | Aluminum Alloy

**Microphone**

Sensitivity | -42 dB  
 Frequency Response | 100 - 10000 Hz  
 Polar Pattern | Omnidirectional

**Bluetooth**

Communication System |  
 Output |  
 Maximum Communication Range |  
 Compatible Bluetooth Profiles |  
 Support Codec |

**Battery**

Type |  
 Life |

Transducers | 6 mm neodymium magnet  
 Frequency Response | 5 Hz – 23 kHz  
 Sensitivity | 105 ± 3 dB @ 1 kHz (1W/1m)  
 Impedance | 16Ω ±15%  
 Jack plug | 3.5 mm, straight

Finishes / Color | Black  
 Material | Aluminum Alloy

Sensitivity | -42 dB  
 Frequency Response | 100 - 10000 Hz  
 Polar Pattern | Omnidirectional

Transducers | 6 mm neodymium magnet  
 Frequency Response | 5 Hz – 23 kHz  
 Sensitivity | 105 ± 3 dB @ 1 kHz (1W/1m)  
 Impedance | 16Ω ±15%

Finishes / Color | Black  
 Material | Aluminum Alloy

Sensitivity | -42 dB  
 Frequency Response | 100 - 10000 Hz  
 Polar Pattern | Omnidirectional

Communication System | Version 5  
 Output | Specification Power Class 2  
 Maximum Communication Range | Line of sight approx. 10 mt (33')  
 Compatible Bluetooth Profiles | A2DP, AVRCP, HFP, HSP  
 Support Codec | AAC, SBC

Type | DC 3.7 V lithium polymer rechargeable battery  
 Life | Up to 6 hrs  
 (Charging time: approx. 3 hrs for 0-100% charge)



## Premium Materials & Finishes

K-array utilizes the most durable and resistant materials when developing our products to offer the most reliable solutions on the market. Weather resistant speaker systems made of aluminum and steel make up the frame of all products within the K-array portfolio.

Versatile and efficient, aluminum provides strong structural support without adding excess weight to the products. Naturally generating a protective oxide coating, aluminum is particularly useful for protection and conservation rendering a K-array installation dependable, regardless of the application elements.

Steel is the other functional material K-array implements, which offers corrosion resistance and strength. Stainless steel does not readily corrode, rust or stain with water making those products perfect for aquatic environments as well as traditional settings.

Premium products are also created with high quality luxury finishes made of precious materials, like gold. Additionally, there is a range of colors and finishes that assist in integrating the products into various applications. Sleek black and elegant white make a subtle statement while a customized color using any RAL code can perfectly match the venue. Also, brushed or polished stainless steel finishes are available which give the product a chameleon-like ability to mirror surrounding surfaces and blend in with the background.

Our quality sound is available in a variety of distinctive finishes that blend beauty with exceptional performance.



## Swatch Book



K-array products made with premium materials demonstrate exceptional performance in a variety of distinct finishes combining beauty and design.

Our high-quality luxury finishes are made of precious materials, and offer another dimension to your setup. The most opulent finish is a pure 24K gold coating over a sturdy metal frame, rendering the steel products resistant to corrosion, rust or stain – ideal for prestigious design projects and upscale applications.

Additional colors and finishes K-array offers further assist in integrating a system into various venues: black and white are available in a gloss or matte finish. Brushed or polished stainless steel finishes have an edgier look.



Texturized Black 9005



Glossy Black 9005



Texturized White 9010



Glossy White 9010



24K Antique Gold-Plated



24K Gold-Plated



Brushed Stainless Steel



Polished Stainless Steel



Opaque Ruthenium



Custom RAL\*

## Unique Features & Technologies



Slim Array Technology

Practicality in transporting, ease of assembly and cost savings aren't the only benefits of K-array's unique technology, Slim Array Technology (SAT). One of the biggest advantages of SAT line arrays is that they show a cardioid dispersion pattern in the mid-low range, where conventional line arrays are almost omnidirectional. This reduces the amount of energy sent towards the stage which typically requires a high volume level of the monitors for the musicians even though it consequently deteriorates the signal-to-noise ratio of the microphones and increases the difficulty in feedback management.

Another advantage of SAT is a better impulse response than that of a conventional line array element. In truth, a directly-radiating bass reflex box uses a resonant air volume that tends to reduce the definition in the low-mid range and does not allow the correct reproduction of fast transients. Instead, SAT's compact design allows sound to exit instantaneously without resonance, generating a significant amount of sound pressure in the low and low-mid range with a fast transient response. The cardioid dispersion in the low frequencies and an extremely fast impulse response are the true advantages of slim array speakers. The combination of these two factors leads to a significantly better acoustic outcome with respect to the traditional line array elements, particularly in terms of sound definition and noise pollution outside the desired audience areas.

Additionally, the compactness of the speakers benefits the user through the practicality in transporting, the ease of assembly and the overall minimal footprint of the cluster which creates an optimization of space, time and, therefore, total incurred costs for the management of these systems.



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.



Electronic Beam Steering

The ability to digitally adjust the dispersion of a line array not only ensures the same listening experience to all audience members but, at the same time, limits the noise pollution in the areas where the sound pressure must be kept at a minimum. This technique is based on a digital optimization of the interaction between the acoustic waves emitted by each component of the array.

By finely adjusting the phase and the amplitude of the signal sent to each section of the array, it is possible to focus the sound beam on the audience areas and guarantee a consistent tonal balance from the front of the venue to the back. Since the interaction between the acoustic waves is a process that strongly depends on the frequency, the phase and the amplitude of the signals must be manipulated with a very high resolution in frequency which is why FIR (Finite Impulse Response) filters featuring hundreds of adjustable coefficients are used.

One of the properties that makes these filters ideal for Electronic Beam Steering (EBS) is that they can alter the signal phase at a given frequency without altering the amplitude and vice versa. Because each FIR filter has hundreds of adjustable coefficients, users are able to manipulate the amplitude and phase of a signal with an extremely accurate frequency resolution. Obviously the calculation of the FIR coefficients is not done by hand, but rather by a powerful software that has the responsibility of optimizing these values to obtain the desired acoustic result.



Visually Discreet

For architectural reasons, a visually discreet audio system may be required. One that can blend into its surrounds without compromising sound quality. Operating in the heart of Tuscany where architecture has had a profound effect of Italian culture, K-array believes in creating invisible acoustic design elements that don't diminish the layout of a venue. As designers, careful thought goes into planning and creating a sleek form factor considering shape, space and function. Requiring a delicate balance of durable materials and advanced technology, the products are designed with a compact chassis so they are easily integrated into any environment.

\* Some components of customized RAL products will remain in the standard factory color.

## Legend



Speakers



Subwoofers



Systems



Monitor



Amplifiers



Microphones



Earbuds

## Notes

- (1) With dedicated preset.
- (2) Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 1 m.
- (3) Maximum SPL is calculated using a signal with crest factor 4 (12dB) measured at 8 m then scaled at 1 m.
- (4) See specification for EN 54-24 applications in products user's guide.
- (5) More complete water protection with K-IP65KITA and K-IP65KITB accessories (IP65 compliant).
- (6) More complete water protection with K-KUIP12 accessory.
- (7) More complete water protection with K-KUIP4 accessory.
- (8) More complete water protection with K-KUIP accessory.
- (9) IP43 with K-AMPCOVER.
- (10) Bracket not included in measurements.
- (11) Removable rubber feet not included in measurements.
- (12) Included 17 mm (0.7 in) removable rubber feet.

Passive loudspeakers requires dedicated preset loaded on board of K-array amplifiers.  
New materials and design are introduced into existing products without previous notice.

In accordance with its policy of continuous product development, K-array reserves the right to introduce any changes to its products without prior notice. Materials, colors and data presented in the catalog are only for reference. K-array is available to customize systems, finishes and new applications upon request.

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Designed and Made in Italy

K-ARRAY surl

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