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 digital steering technology 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 Circuit Race Track
Scarperia, Mugello, Italy

llo

Mugello p.184

Small format, digitally steerable acoustics, powered line array speakers

Mugello-KH2

Medium format, digitally steerable acoustics, powered line array element

Mugello-KH3

Large format, digitally steerable acoustics, powered line array element

Mugello-KH5

Mugello

Large format, self-powered subwoofer element

Mugello-KS5

Owl p.196

8" coaxial moving audio head with onboard camera monitoring

Owl-KW8

Mastiff p.202

Low-profile, high power stage monitor

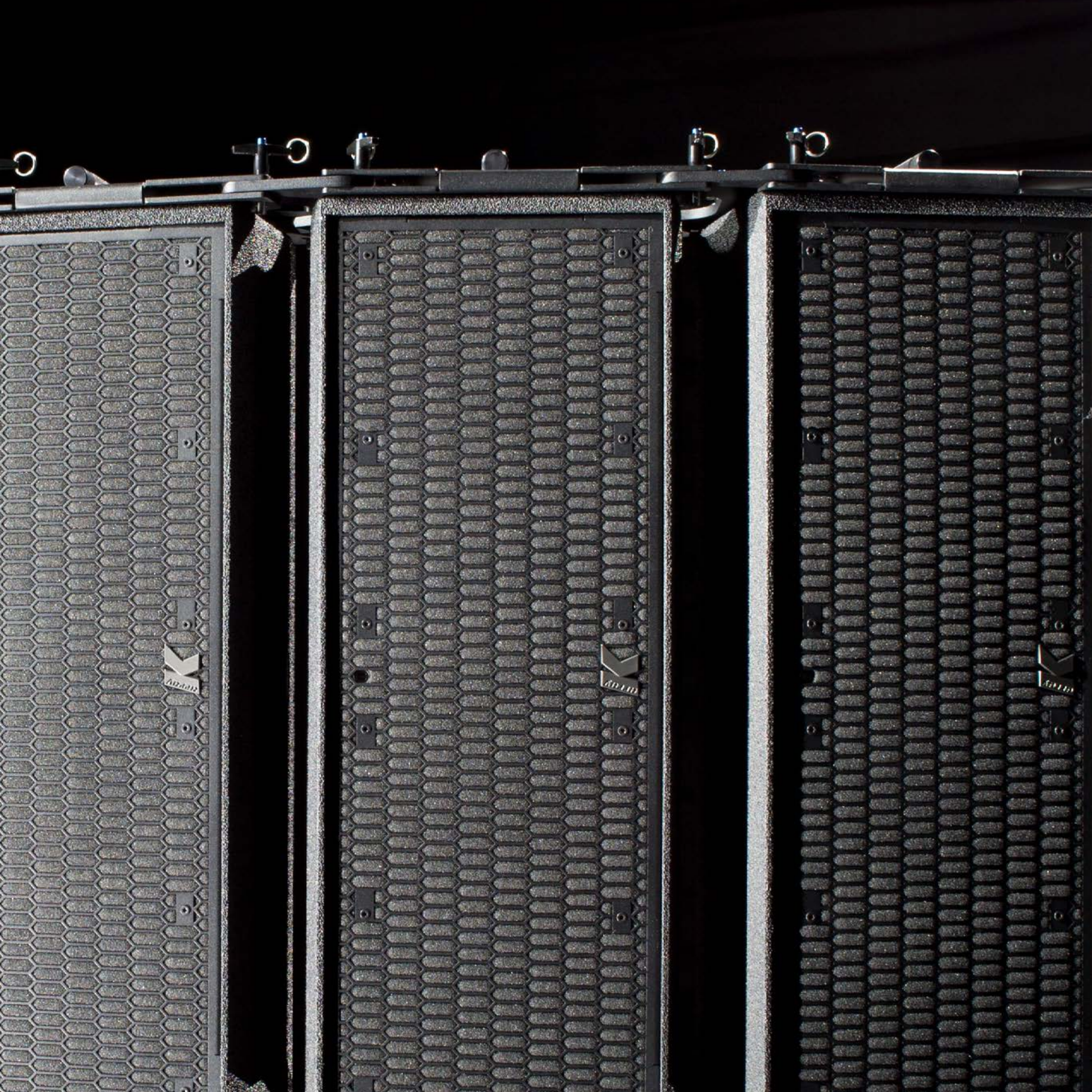
Mastiff-KM112

Mastiff-KM112P

Low-profile, high power stage monitor

Mastiff-KM312

Mastiff-KM312P

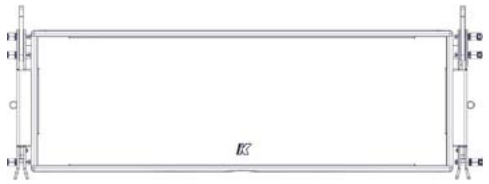


Mugello

Digital acoustic steering,
powered line array element

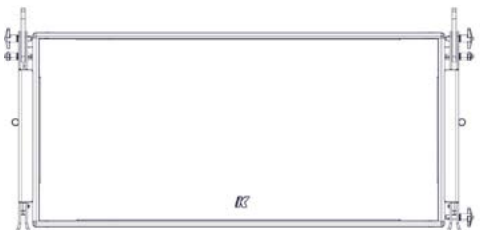
Mugello-KH2

83.9 x 28.5 x 21.0 cm (33.03“ x 11.22” x 8.26“)
29.0 kg (63.93 lb)



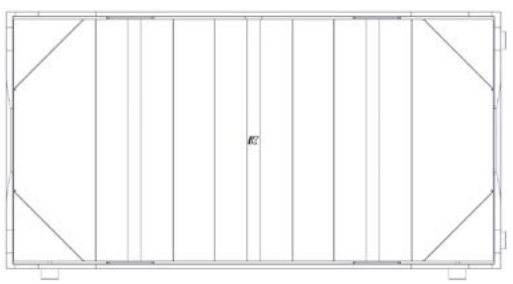
Mugello-KH3

121.8 x 37.0 x 21.0 cm (47.95“ x 14,56” x 8.26“)
43.6 kg (96.12 lb)



Mugello-KH5

121.8 x 52.0 x 21.0 cm (47.95“ x 20.47” x 8.26“)
61.0 kg (134.48 lb)



Mugello-KS5

116.2 x 59.0 x 85.0 cm (45.74“ x 23.22” x 33.46“)
104.4 kg (230.16 lb)

K-Hall Concert Hall
San Piero a Sieve, Mugello, Italy

Mugello

Digital acoustic steering,
powered line array element

Boasting design elements made in the heart of Tuscany, the Mugello line is K-array's flagship series. With incredibly flat boxes, it's apparent the KH2, KH3 and KH5 are lightweight solutions that save space along with transportation costs. But the biggest takeways are their impressive power, intelligible control and high quality.

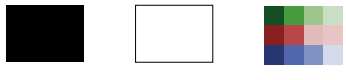
Mugello's compact design allows sound to exit instantaneously without resonance, generating a significant amount of sound pressure in the low and low-mid range which results in a better impulse response and maximum clarity and definition.

In fact, the Mugello line measures up to the highest standards in the professional live sound market, both in sound and quality, providing an exceptional peak output starting at 136dB SPL for the KH2 to 140dB SPL for the KH5 and improves upon traditional loudspeakers with SAT, which controls polar patterns even at low frequencies and gives off better impulse response.

The Electronic Beam Steering (EBS) features of the line allows the user to direct the sound beam to concentrate the audio in a targeted area or provide continuous, even coverage. Results are maximized with the ability to precisely and independently control each Mugello line array element eliminating noise pollution.

The KH2, KH3 and KH5 together with the with the self-powered KS5 subwoofer, are best suited for high-powered extended bass response applications in arenas, theaters, stadiums, concert halls and outdoor events.

COLORS & PREMIUM FINISHES AVAILABLE



Black White Custom

Sekkefabrikken
Slemmestad, Norway

Mugello-KH2

Small format, digital acoustic steering,
powered line array element

ACOUSTICS	
Max Power	2000 W
Frequency range (-10 dB)	70 Hz – 19 KHz
Maximum SPL	130 dB (cont.) – 136 dB (peak)
COVERAGE	
Horizontal	110°
Vertical	10°
TRANSDUCERS	
Type	2 X 8" Neodymium magnet woofer with 2.5" voice coil
Type	2 X 1.4" Compression drivers with 2.5" voice coil
AMPLIFIER	
Type	1 modules class D - DSP controlled
Nominal Power Output	2 X 1000 W @ 8 Ω 1% THD + NOISE
PHYSICAL OVERVIEW	
Dimensions	83.9 x 28.5 x 21.0 cm (33.03" x 11.22" x 8.26")
Weight	29.0 Kg (63.93 lb)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

SUGGESTED ACCESSORIES

K-HCBASE2	K-HCFLY2
K-DANTE	K-HCFLYST2
K-HCDOLLY2	K-HCLINK2/35

FEATURES

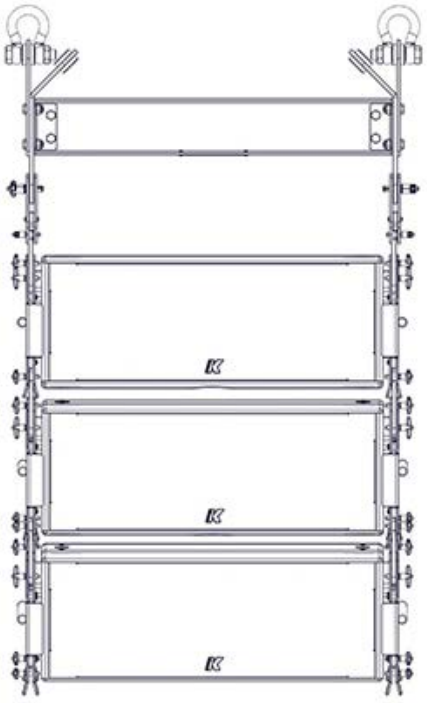
- Visually Discreet
- Weather Resistent
- On-Board Touch Screen
- Dante™ Compatible
- Slim Array Technology (SAT)
- Electronic Beem Steering (EBS)

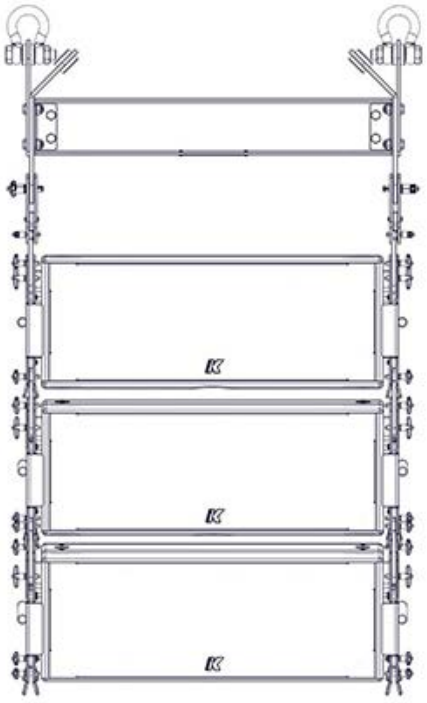
FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- THEATERS & CONCERT HALLS
- LARGE CONGREGATIONS
- STADIUMS & SPORT VENUES
- NIGHTCLUBS
- THEME PARKS
- EVENT PRODUCTIONS
- BROADCAST & STUDIOS

Mugello-KH2SYS6

Small format, digital acoustic steering,
powered line array system





SYSTEM COMPONENTS

2x

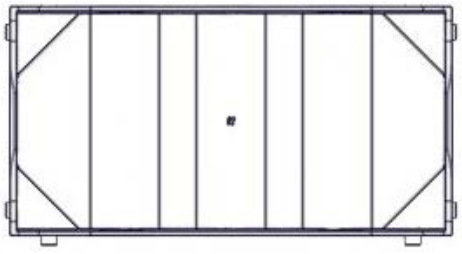
K-HCFLY2

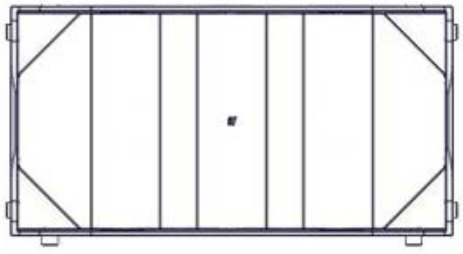
6x

KH2

2x

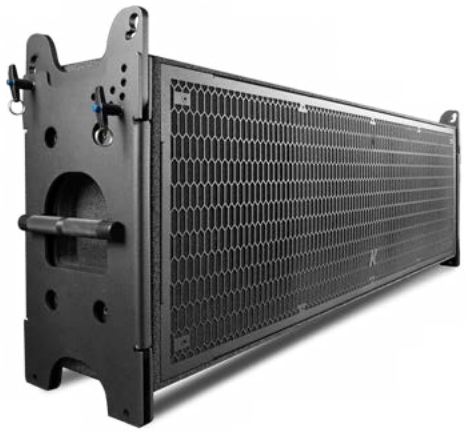
KS5





Mugello-KH3

Medium format, digital acoustic steering,
powered line array element



ACOUSTICS	
Max Power	2500 W
Frequency range (-10 dB)	60 Hz – 19 KHz
Maximum SPL	132 dB (cont.) – 138 dB (peak)
COVERAGE	
Horizontal	110°
Vertical	10° (preset dependent)
TRANSDUCERS	
Type	2 X 12" Neodymium magnet woofer with 2.5" voice coil
Type	2 X 1.4" Compression drivers with 2.5" voice coil
AMPLIFIER	
Type	1 module class D - DSP controlled
Nominal Power Output	2 X 1600 W @ 4 Ω 1% THD + NOISE
PHYSICAL OVERVIEW	
Dimensions	121.8 x 37.0 x 21.0 cm (47.95" x 14.56" x 8.26")
Weight	43.6 Kg (96.12 lb)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

SUGGESTED ACCESSORIES

- K-HCBASE
- K-HCFLY
- K-DANTE
- K-HCFLYST
- K-HCDOLLY
- K-HCLINK2/35

FEATURES

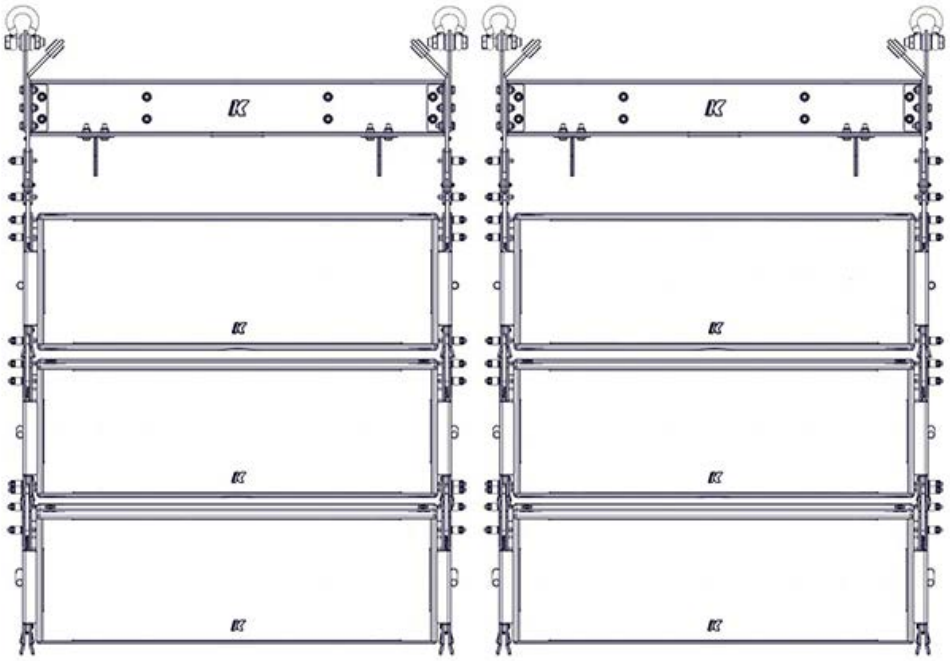
- Visually Discreet
- Weather Resistent
- On-Board Touch Screen
- Dante™ Compatible
- Slim Array Technology (SAT)
- Electronic Beem Steering (EBS)

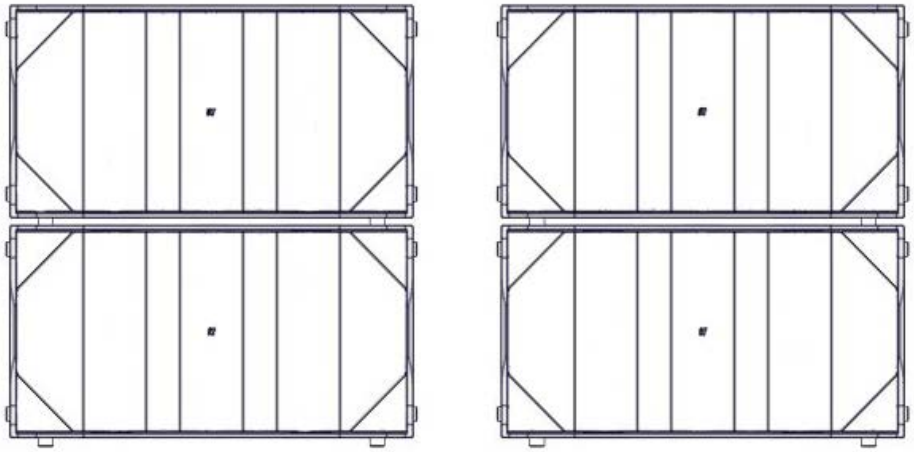
FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- LARGE CONGREGATIONS
- THEATERS & CONCERT HALLS
- NIGHTCLUBS
- STADIUMS & SPORT VENUES
- THEME PARKS
- AUDITORIUMS, EDUCATION & GOVERNMENT
- EVENT PRODUCTIONS

Mugello-KH3SYS6

Medium format, digital acoustic steering,
powered line array system





SYSTEM COMPONENTS

2x

K-HCFLY

6x

KH3

4x

KS5

Mugello-KH5

Large format, digital acoustic steering,
powered line array element

ACOUSTICS	
Max Power	4000 W
Frequency range (-10 dB)	50 Hz – 19 KHz
Maximum SPL	134 dB (cont.) – 140 dB (peak)
COVERAGE	
Horizontal	110°
Vertical	7° to 25° (preset dependent)
TRANSDUCERS	
Type	2 X 15" Neodymium magnet woofer with 2.5" voice coil
Type	4 X 1.4" Compression drivers with 2.5" voice coil
AMPLIFIER	
Type	1 module class D - DSP controlled
Nominal Power Output	4 X 1600 W @ 4 Ω 1% THD + NOISE
PHYSICAL OVERVIEW	
Dimensions	121.8 x 52.0 x 21.0 cm (47.95" x 20.47" x 8.26")
Weight	61.0 Kg (134.48 lb)

Notes for data
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SUGGESTED ACCESSORIES

- K-HCBASE
- K-DANTE
- K-HCDOLLY
- K-HCFLY
- K-HCFLYST
- K-HCLINK2/35

FEATURES

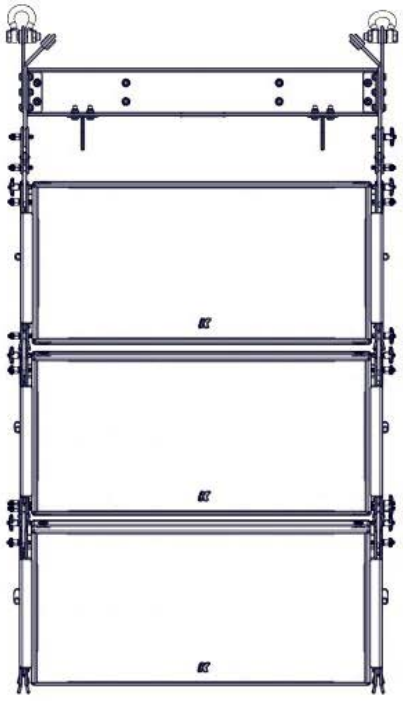
- Visually Discreet
- Weather Resistent
- On-Board Touch Screen
- Dante™ Compatible
- Slim Array Technology (SAT)
- Electronic Beem Steering (EBS)

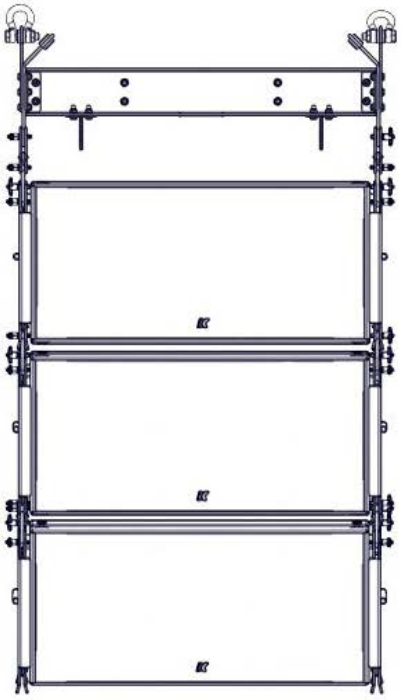
FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- LARGE CONGREGATIONS
- STADIUMS & SPORT VENUES
- THEATERS & CONCERT HALLS
- BROADCAST & STUDIOS
- NIGHTCLUBS
- THEME PARKS
- EVENT PRODUCTIONS

Mugello-KH5SYS6

Large format, digital acoustic steering,
powered line array system





SYSTEM COMPONENTS

2x

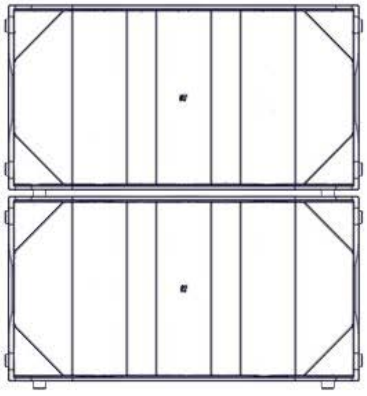
K-HCFLY

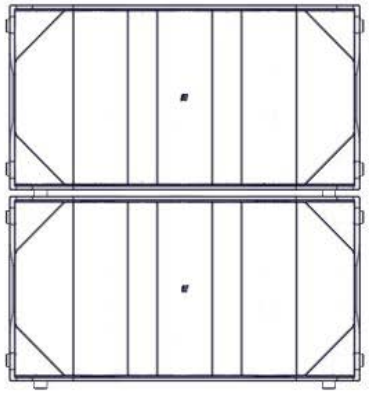
6x

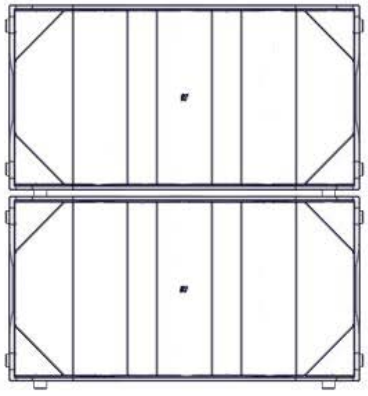
KH5

6x

KS5

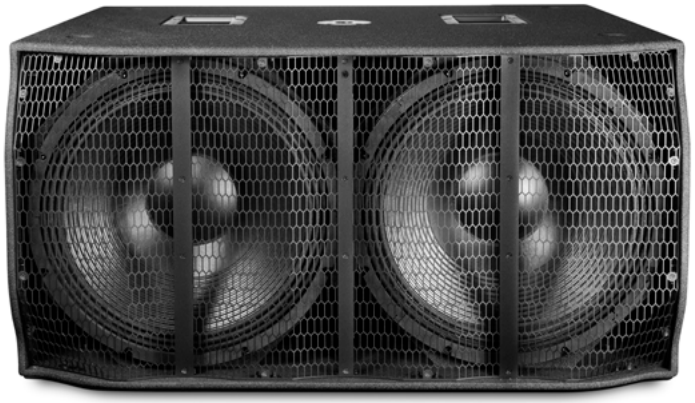






Mugello-KS5

Large format, self-powered subwoofer



ACOUSTICS	
Max Power	8000 W
Frequency range (-10 dB)	25 Hz – 120 KHz
Maximum SPL	136 dB (cont.) – 142 dB (peak)
TRANSDUCERS	
Type	2 X 21" Neodymium magnet woofer with 5.5" voice coil
AMPLIFIER	
Type	1 module class D - DSP controlled
Nominal Power Output	2 X 3500 W @ 2 Ω 1% THD + NOISE
PHYSICAL OVERVIEW	
Dimensions	116.2 x 59.0 x 85.0 cm (45.74" x 23.22" x 33.46")
Weight	104.4 Kg (230.16 lb)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

SUGGESTED ACCESSORIES

- K-POLE1
- K-DANTE
- K-USB
- K-WHEEL
- K-WHEELB
- K-COVERS5

FEATURES

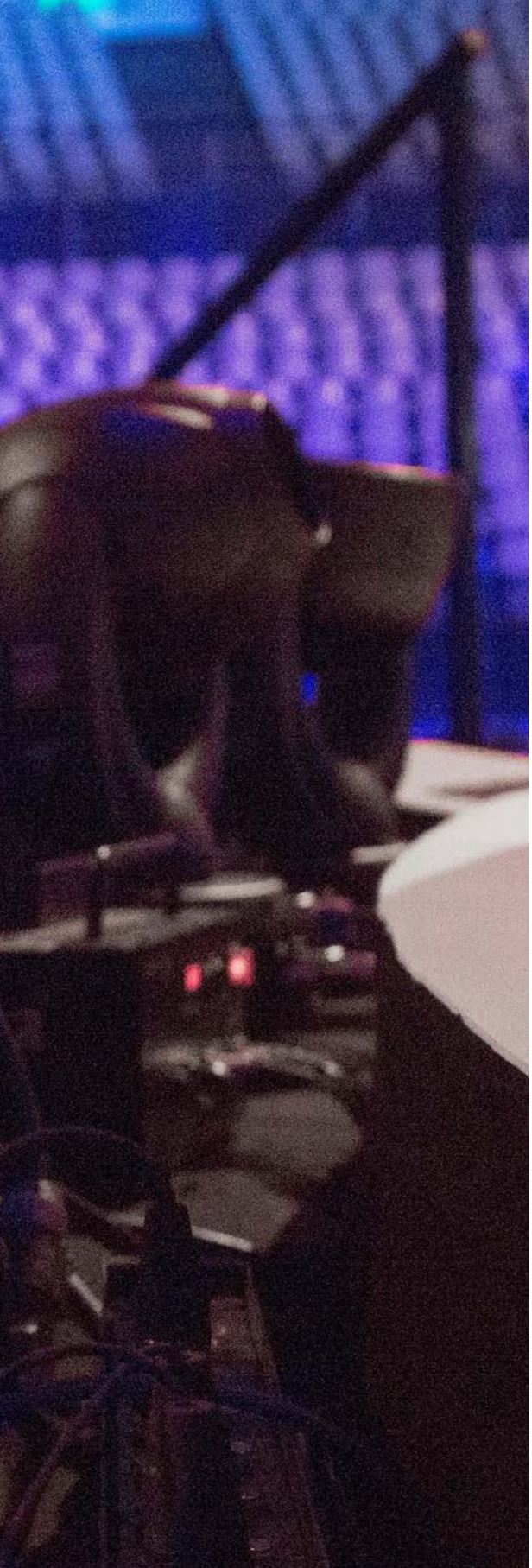
Weather Resistent

On-Board Touch Screen

Dante™ Compatible

FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- LARGE CONGREGATIONS
- NIGHTCLUBS
- STADIUMS & SPORT VENUES
- THEATERS & CONCERT HALLS
- EVENT PRODUCTIONS
- THEME PARKS
- CINEMAS



Herbalife Summit,
PalaLottomatica, Rome, Italy

OWL

8” coaxial moving audio head with
onboard camera monitoring

Owl-KW8
45.0 x 40.9 x 21.8 cm (17.71“ x 16.10” x 8.58“)
10.0 kg (22.04 lb)

Owl

8” coaxial moving audio head
with onboard camera monitoring

The Owl-KW8 is one of the first self-powered audio moving heads including a coaxial 8” transducer and a built-in camera to allow users to accurately focus their directivity of sound. This feature bridges the gap between audio and visual in a revolutionary concept.

The Owl provides up to 500W of power, 120dB of SPL (continuos) and a frequency range from 60Hz to 19kHz. The dedicated software has the ability to control the settings, movement, sound and video together, allowing users to create scenes and setups via DMX.

It is a perfect solution for a range of applications including live on-stage monitoring, theme park installations, airports, train stations, DJ effects and theater installations. However, the flexibility of the Owl will offer an almost limitless number of solutions and, in some cases, reduce the amount of speakers required for one installation.

The Owl was designed to be a completely different solution for the most ambitious projects.

COLORS & PREMIUM FINISHES AVAILABLE

Black

OWL

Owl-KW8

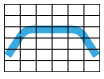
8” coaxial moving audio head
with onboard camera monitoring

SUGGESTED ACCESSORIES

K-POLE1	K-WHEEL
K-DANTE	K-WHEELB
K-USB	K-COVERS5

FEATURES

Selectable
Coverage



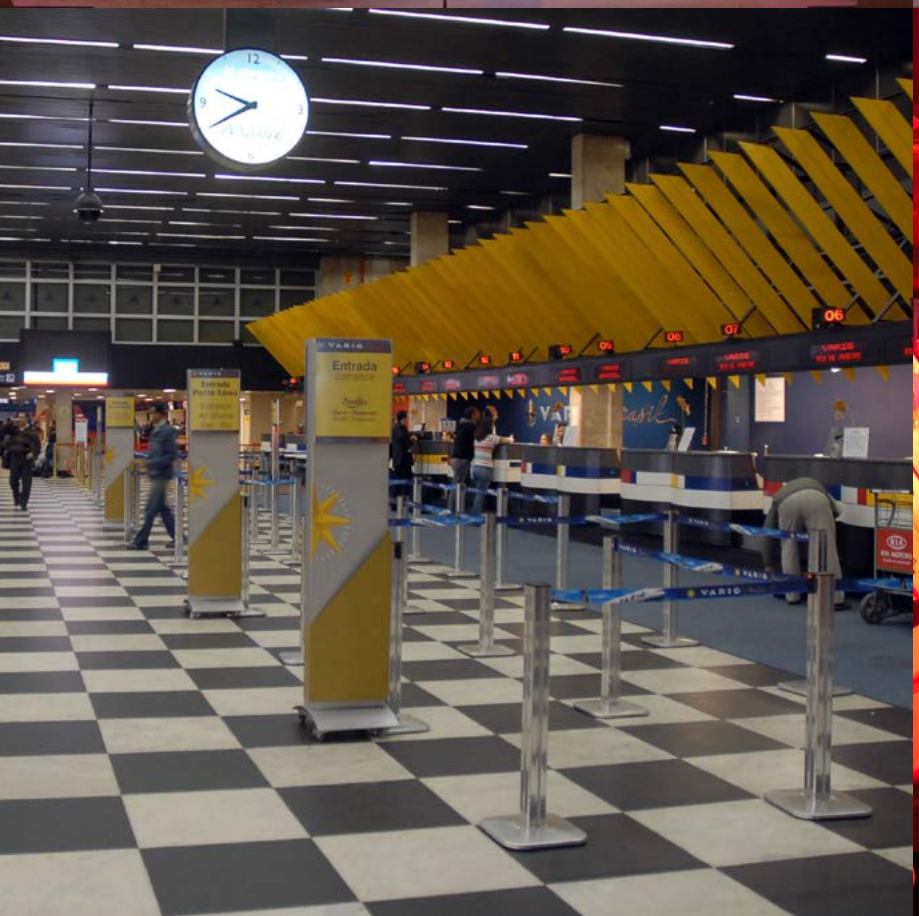
Full Range

DMX

DMX
Controllable

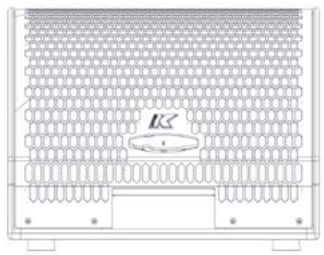
FREQUENT APPLICATIONS

- THEATERS & CONCERT HALLS
- NIGHTCLUBS
- BROADCAST & STUDIOS
- THEME PARKS
- TRANSPORTATION FACILITIES


Entrada

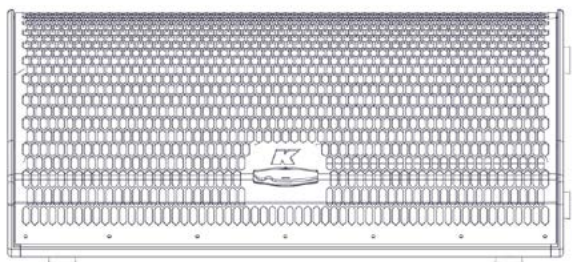
Mastiff

Low-profile, high power stage monitor



Mastiff-KM112 | KM112P

53.0 x 45.0 x 33.5 cm (20.86" x 17.71" x 13.18")
23.0 kg (50.7 lb) KM112 / 17.0 kg (37.47 lb) KM112P



Mastiff-KM312 | KM312P

82.0 x 53.0 x 33.5 cm (20.86" x 32.28" x 13.18")
37.5 kg (82.67 lb) KM312 / 33,5 kg (73.85 lb) KM312P

Mastiff

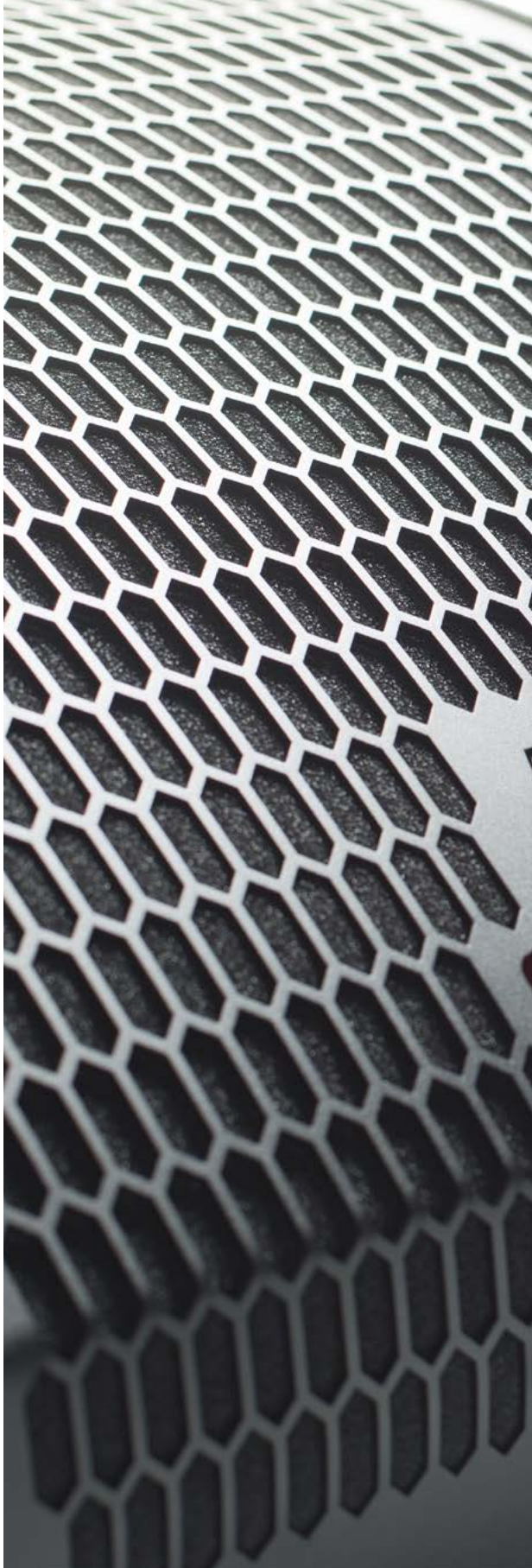
Low-profile, high power stage monitor

Like a loyal guard dog on watch, K-array's Mastiff line of low profile, super powerful monitors keep the situation stable for onstage musicians.

Comprised of the KM312, KM312P, KM112 and KM11P, the Mastiff line produces ultra-low distortion giving vocals and instruments incredible clarity and precise sound. The monitors feature an asymmetrical 100° by 30° horn granting performers the possibility to select a wide or narrow sound emission. And with an incredibly strong stainless steel grill and sturdy birch wood chassis, these monitors are built to withstand any onstage abuse that may incur from the musical acts.

The larger models of the Mastiff line, the KM312 and the KM312P, are extremely fierce with unquestionable clarity. Featuring three 12" woofers and producing a maximum SPL output at 136 dB (peak), these hard-hitting speakers are ideal for touring, concerts, music festivals and live events in large venues and are prefect for drum monitoring. The Mastiff KM312 is the active model while the Mastiff KM312P is passive.

The Mastiff KM112 and Mastiff KM112P are also potent yet in a smaller, compact form factor. Both models feature a coaxial 12" woofer and reach a maximum SPL of 133 dB (peak). The self-powered KM112 has a power output to drive the KM112P passive version as well as a Thunder KMT18P for a drumfill, making it one of the most versatile monitors on the market!



COLORS & PREMIUM FINISHES AVAILABLE

Black

Mastiff-KM112

12" coaxial self-powered, low-profile stage monitor

ACOUSTICS	
Max Power	1200 W
Frequency range (-10 dB)	60 Hz – 19 KHz
Maximum SPL	127 dB (cont.) – 133 dB (peak)
COVERAGE	
Horizontal	100° - 30° (depending on horn orientation)
Vertical	30° - 100° (depending on horn orientation)
TRANSDUCERS	
(Low-mid) Type	1 X 12" Neodymium magnet woofer with 3" voice coil
(High) Type	Neodymium magnet compression driver with 2" voice coil
AMPLIFIER	
Type	1 module class D - DSP controlled
Nominal Power Output	1000W @ 8 Ohm
PHYSICAL OVERVIEW	
Dimensions	53.0 x 45.0 x 33.5 cm (20.86" x 17.71" x 13.18")
Weight	23.0 Kg (50.71 lb)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

FEATURES

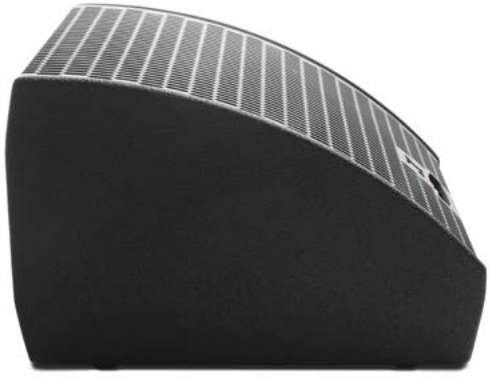
- Selectable Coverage
- Full Range
- On-Board Touch Screen
- Dante™ Compatible
- Lightweight

FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- THEATERS & CONCERT HALLS
- LARGE CONGREGATIONS
- NIGHTCLUBS
- BROADCAST & STUDIOS
- THEME PARKS
- FITNESS & WELLNESS
- EVENT PRODUCTIONS

Mastiff-KM112P

12" passive 8 ohm stage monitor

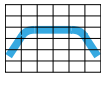


ACOUSTICS	
Max Power	1200 W
Frequency range (-10 dB)	60 Hz – 19 KHz
Maximum SPL	127 dB (cont.) – 133 dB (peak)
COVERAGE	
Horizontal	100° - 30° (depending on horn orientation)
Vertical	30° - 100° (depending on horn orientation)
TRANSDUCERS	
(Low-mid) Type	1 X 12" Neodymium magnet woofer with 3" voice coil
(High) Type	Neodymium magnet compression driver with 2" voice coil
RECOMMED AMPLIFIER	
Type	KA84
PHYSICAL OVERVIEW	
Dimensions	45.0 x 53.0 x 33.5 cm (17.71" x 20.86" x 13.18")
Weight	17.0 Kg (37.47 lb)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

FEATURES

Selectable Coverage


Full Range

Lightweight

FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- THEATERS & CONCERT HALLS
- LARGE CONGREGATIONS
- NIGHTCLUBS
- BROADCAST & STUDIOS
- THEME PARKS
- FITNESS & WELLNESS
- EVENT PRODUCTIONS

Mastiffs-KM312

3 x 12" self-powered, high power stage monitor

ACOUSTICS	
Max Power	2000W + 800W + 200W
Frequency range (-10 dB)	62 Hz – 19 KHz
Maximum SPL	130 dB (cont.) – 136 dB (peak)
COVERAGE	
Horizontal	100°-30° (depending on horn orientation)
Vertical	30°-100° (depending on horn orientation)
TRANSDUCERS	
(Low) Type	2 X 12" Neodymium magnet woofer with 2.5" voice coil
(Mid) Type	12" Neodymium magnet woofer with 3" voice coil
(High) Type	Neodymium magnet compression driver with 2" voice coil
AMPLIFIER	
Type	2 module class D - DSP controlled
Nominal Power Output	4 X 1000 W @ 8 Ω
PHYSICAL OVERVIEW	
Dimensions	82.0 x 53.0 x 33.5 cm (20.47" x 47.95" x 8.26")
Weight	37.5 Kg (82.67 lb)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

FEATURES

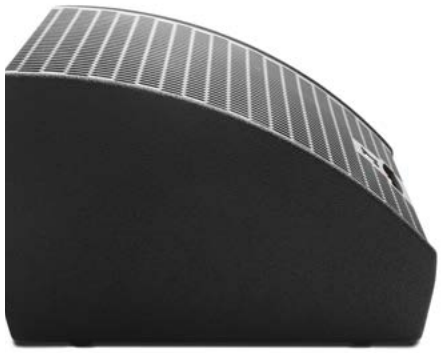
- Selectable Coverage
- Full Range
- On-Board Touch Screen
- Dante™ Compatible

FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- NIGHTCLUBS
- LARGE CONGREGATIONS
- THEATERS & CONCERT HALLS
- BROADCAST & STUDIOS
- THEME PARKS

Mastiffs-KM312P

12" passive 8 ohm stage monitor

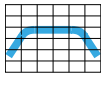


ACOUSTICS	
Max Power	2000W + 800W + 200W
Frequency range (-10 dB)	62 Hz – 19 KHz
Maximum SPL	130 dB (cont.) – 136 dB (peak)
COVERAGE	
Horizontal	100°-30° (depending on horn orientation)
Vertical	30°-100° (depending on horn orientation)
TRANSDUCERS	
(Low) Type	2 X 12" Neodymium magnet woofer with 2.5" voice coil
(Mid) Type	12" Neodymium magnet woofer with 3" voice coil
(High) Type	Neodymium magnet compression driver with 2" voice coil
RECOMMED AMPLIFIER	
Type	KA84
PHYSICAL OVERVIEW	
Dimensions	82.0 x 53.0 x 33.5 cm (20.47" x 47.95" x 8.26")
Weight	33.5 Kg (73.85 lb)

Notes for data
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this catalogue.

FEATURES

Selectable Coverage



Full Range

FREQUENT APPLICATIONS

- TOURING, FESTIVALS, CONCERTS & LIVE EVENTS
- NIGHTCLUBS
- LARGE CONGREGATIONS
- THEATERS & CONCERT HALLS
- BROADCAST & STUDIOS
- THEME PARKS