

K-array

ULTRA COMPACT AND POWERFUL SPEAKER SYSTEMS



Products 2010



K-array's incredible thin & lightweight loudspeakers are manufactured in Italy, distributed and supported in the Benelux exclusively by Sennheiser. Despite their small size K-array speakers deliver impressive power and audio quality for small, medium, and large-scale applications. The K-array line covers all needs for Live Sound, Installed Sound, and Portable Audio.

www.K-array.com



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SYSTEMS INTEGRATION

The K-array Systems Integration line is a powerful series of small, elegant, and easily integrated speakers. Each series of speakers offers a variety of answers for any installed sound need, with a focus on professional audio quality and clever design and function. The Kobra, Vyper, Tornado, and Lizard Speaker Series provide options for integration in virtually every situation.



KK50vb

The KK50vb is a professional 3D line array speaker system that can produce extremely high sound pressure levels with unprecedented quality.

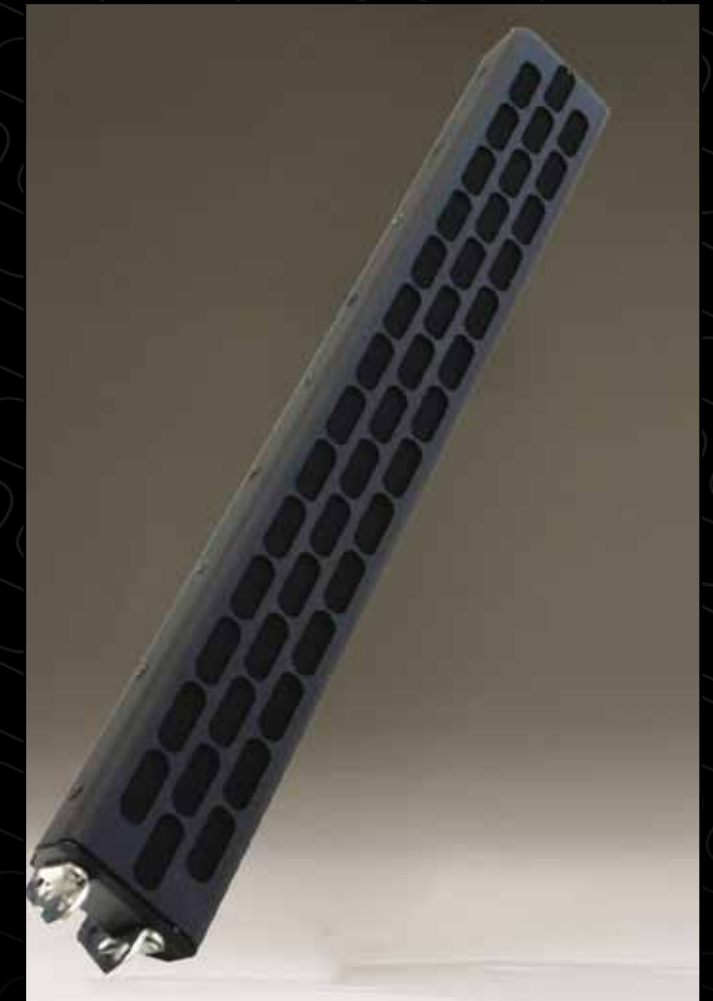
This slim column is a mere 5.6 cm deep and weighs in at an extremely modest 2.5Kg, yet it delivers true crystal clear audio with an output of 114dB.

A unique feature of the KK50vb is that it can change the coverage from the usual 7° to an amazing 120° with the flip of a switch. This ability, combined with its diminutive size and weight, makes it perfect for almost any venue, from small clubs to large outdoor events. The KK50vb's rugged military spec enclosure is built to stand the rigors of heavy touring, but not at the expense of weight and size. It contains a line array of eight 1" high efficiency drive units with neodymium magnet structures and suspensions engineered for maximum linear excursion and minimum residual transducer noise.

Like all Kobra systems, it can be mounted vertically or horizontally, rendering it all but invisible.

APPLICATIONS

- Theatres as main PA arrays
- Front and under-balcony fill
- Portable and installed audio-visual systems
- Stage and AV-Studios monitoring



SPECIFICATIONS

ACOUSTICS

Power handling	150 W
Max power	300 W
Impedance	Min 8 ohms (FLOOD mode) – Max 16 ohms (SPOT mode)
Operating frequency range	200 Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	150 HZ - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	92 dB
Maximum SPL	114 dB continuous - 120 dB peak

COVERAGE

Horizontal	100°(single unit) - array dependent
Vertical	7° or 120° selectable

TRANSDUCERS

Low-Mid Frequency	8 x 2" neodymium magnet 0.75" VC long-excursion speakers
High Frequency	1 x 2" neodymium magnet 0.75" VC long-excursion speakers

RECOMMENDED AMPLIFIERS

Single ended mode	KA7 and KA10 to drive up to 2/4 (FLOOD or SPOT mode) units of KK50 each channel
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PHYSICAL

Measures	2.2 x 2.7 x 39.3 in (5.6 x 7.0 x 48.3 cm)
Weight	4.5 lbs (2 Kg)

KK50

The KK50 loudspeaker is a very compact, 3D array loudspeaker element. It allows you to perform 3D arrays with virtually no phase issues, creating a coherent wave front that can perfectly cover the venue with constant pressure and equalization, drastically reducing undesired ambient reflections.

FEATURES

- Vertical, horizontal and 3D-array possibility
- Unique performance-to-size ratio
- Multiple 2" long excursion full-range drivers
- Smooth frequency response
- Electronically protected
- High dynamic range capability
- Integrated connection hardware
- Available in Black or White

APPLICATIONS

- Theatres as main PA arrays
- Front and under-balcony fill
- Portable and installed audio-visual systems
- Stage and AV-Studios monitoring



SPECIFICATIONS

ACOUSTICS	
Power handling	150 W
Max power	300 W
Impedance	64 ohms – 16 ohms selectable
Operating frequency range	150 Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	200 HZ - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	92 dB
Maximum SPL	114 dB continuous - 120 dB peak

COVERAGE	
Horizontal	100°(single unit) - array dependent
Vertical	10°(single unit) - array dependent

TRANSDUCERS	
Full-range	8 x 2" neodymium magnet 0.75" VC long-excursion speakers

RECOMMENDED AMPLIFIERS (64 setting)	
Single ended mode	KA10, KA15 and KA40 to drive up to 16 units of KK50 each channel
Bridge mode	KA10 and KA15 to drive up to 8 units of KK50 each amplifier KA10, KA15 to drive up to 16 units of KK5 each channel

PHYSICAL	
Measures	2.2 x 2.7 x 19.0 in (5.6 x 7.0 x 48.3 cm)
Weight	4.5 lbs (2 Kg)

KK100

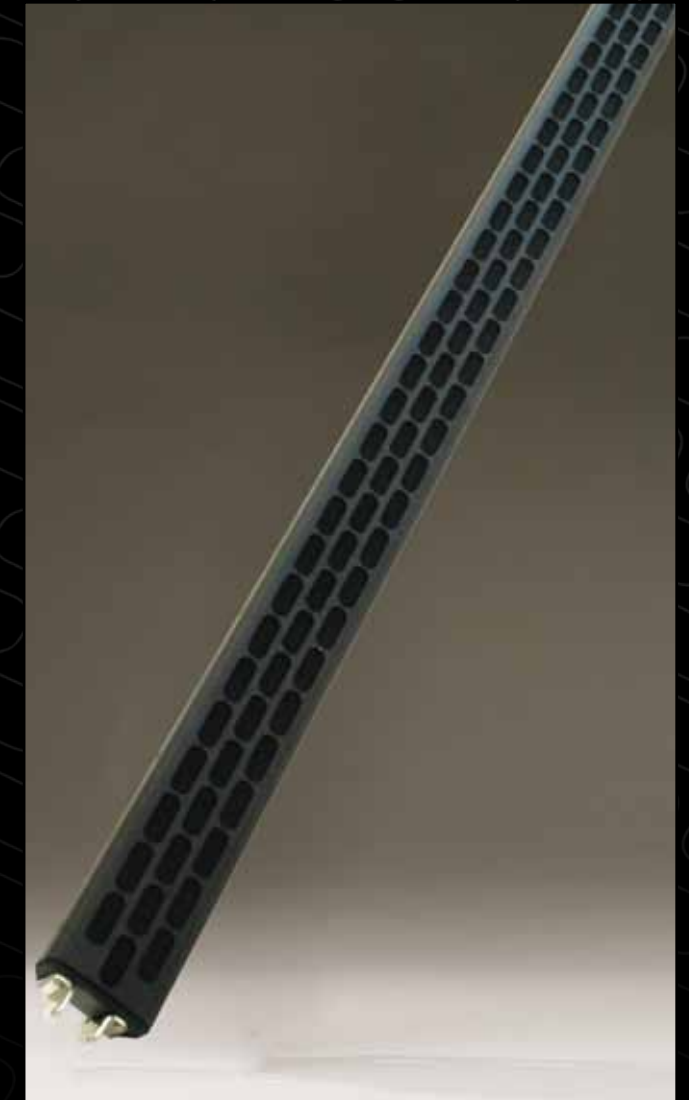
The larger KK100 offers twice as many drivers (16) as the KK50. It provides a full choice of presets for amplifiers to optimize Kobra performance in any application.

FEATURES

- Vertical, horizontal and 3D-array possibility
- Unique performance-to-size ratio
- Multiple 2" long excursion full-range drivers
- Smooth frequency response
- Electronically protected
- High dynamic range capability
- Integrated connection hardware
- Available in Black or White

APPLICATIONS

- Theatres as main PA arrays
- Front and under-balcony fill
- Portable and installed audio-visual systems
- Stage and AV-Studios monitoring



SPECIFICATIONS

ACOUSTICS	
Power handling	300 W
Max power	600 W
Impedance	35 ohms – 8 ohms selectable
Operating frequency range	200 Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	150 Hz - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	95 dB
Maximum SPL	119 dB continuous - 125 dB peak

COVERAGE	
Horizontal	100°(single unit) - array dependent
Vertical	8°(single unit) - array dependent

TRANSDUCERS	
Full-range	16 x 2" neodymium magnet 0.75" VC long-excursion speakers

RECOMMENDED AMPLIFIERS (32 setting)	
Single ended mode	KA10, KA15 and KA40 to drive up to 16 units of KK50 each channel KA7, KA10, KA40 to drive up to 8 units of KK100 each channel.
Bridge mode	KA7 and KA10 to drive up to 2 units of KK100 each amplifier

PHYSICAL	
Measures	2.2 x 2.7 x 39.3 in (5.6 x 7.0 x 100.0 cm)
Weight	9.9 lbs (4.5 Kg)

KK200

The KK200 loudspeaker is a very compact, 3D array loudspeaker element, boasting 32 2" neodymium magnet 0.75" VC long-excursion drivers. As with all other Kobra systems, it can deliver virtually phase-free 3D arrays.

FEATURES

- Vertical, horizontal and 3D-array possibility
- Unique performance-to-size ratio
- Multiple 2" long excursion full-range drivers
- Smooth frequency response
- Electronically protected
- High dynamic range capability
- Integrated connection hardware
- Available in Black or White

APPLICATIONS

- Theatres as main PA arrays
- Front and under-balcony fill
- Portable and installed audio-visual systems
- Stage and AV-Studios monitoring



SPECIFICATIONS

ACOUSTICS	
Power handling	600 W
Max power	1600 W
Impedance	16 ohms
Operating frequency range	150 HZ - 19 KHz +/- 3dB (preset relating)
Frequency range	180 HZ - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	98 dB
Maximum SPL	124 dB continuous - 130 dB peak

COVERAGE	
Horizontal	100°(single unit) - array dependent
Vertical	7°(single unit) - array dependent

TRANSDUCERS	
Full-range	32 x 2" neodymium magnet 0.75" VC long-excursion speakers

RECOMMENDED AMPLIFIERS	
Single ended mode	KA10, KA15 and KA40 to drive up to 4 units of KK200 each channel
Bridge mode	KA10, KA15 to drive up to 2 units each amplifier

PHYSICAL	
Measures	2.2 x 2.7 x 78.0 in (5.6 x 7.0 x 198.3 cm)
Weight	17.6 lbs (8 Kg)

KV50

The KV50 loudspeaker is a very compact ultra flat loudspeaker. In contrast to conventional low power 70-volt transformer based systems, the KV50 connects directly to the amplifier and is capable of producing high sound pressure levels while dramatically reducing distortion. It employs sophisticated 1" transducers and a full choice of presets for KA amplifiers to optimize Vyper performances in any application.

FEATURES

- Vertical, horizontal and 3D line-array possibility
- Unique performance-to-size ratio
- Multiple 1" long excursion full-range cone drivers
- Smooth frequency response
- Electronically protected
- High dynamic range capability
- Integrated connection hardware
- Unique design for invisible arrays
- Available in Black or White
- High impedance for multiple easy parallel wiring

APPLICATIONS

- Front and under-balcony fill
- Portable and installed AV systems
- Stage and AV-Studio monitoring



SPECIFICATIONS

ACOUSTICS	
Power handling	150 W1
Max power	300 W2
Impedance	16 ohms - 64 ohms Selectable
Operating frequency range	240 Hz - 19 KHz +/- 3dB (preset relating)3
Frequency range	200 HZ - 19 KHz +/- 3dB (preset relating)4
SPL 1W/1mt	86 dB (low-mid)5
Maximum SPL	108 dB continuous - 114 dB peak6

COVERAGE	
Horizontal	110° (single unit) - array dependent
Vertical	10° (single unit) - array dependent

TRANSDUCERS	
Full-range	8 x 1" Neodymium magnet 0.75"VC long excursion cone drivers

RECOMMENDED AMPLIFIERS	
Single ended mode	KA10, KA15 and KA40 to drive up to 16 units of KV50 each channel
Bridge mode	KA10 to drive one unit each amplifier

PHYSICAL	
Measures	19.6 x 1.4 x 0.8 in (50 x 3.6 x 2 cm)
Weight	1.5 lbs (0.7 Kg)

KT20

The KT20 miniature speaker is a passive loudspeaker designed for high quality distributed systems. Housed in a compact aluminum enclosure, the KT20 is especially suitable for installations involving space limitations and visibility concerns, such as fill and spot coverage, and hidden locations in houses of worship. Its flexible and easy-to-configure mounting options, as well as its ability to effortlessly reproduce both speech and music, make it an excellent choice for fixed applications, theatrical presentations, and small portable systems for corporate AV solutions.

The KT20 proprietary 2" cone transducer delivers an impressive maximum peak SPL of 107dB, and has a wide operating frequency range from 150 Hz to 18 kHz with very low distortion.

FEATURES

- Unique performance-to-size ratio
- Single 2" long excursion full-range driver
- Wide-range frequency response
- Excellent speech intelligibility and exceptional dynamic range for music applications
- Integrated speakon connector for mobile or installed application
- Aluminum ultra strong frame
- Available in Black or Nickel
- Integrated connection points for accessories

APPLICATIONS

- Background music systems in restaurants and clubs
- High-quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for theatres



SPECIFICATIONS

ACOUSTICS	
Power handling	10 W
Max power	30 W
Impedance	8 ohms
Operating frequency range	200 Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	150 HZ - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	87 dB
Maximum SPL	101 dB continuous - 107 dB peak

COVERAGE	
Horizontal	90° (single unit) - array dependent
Vertical	90° (single unit) - array dependent

TRANSDUCERS	
Full-range	2" neodymium magnet 0.75" VC long-excursion speakers

RECOMMENDED AMPLIFIERS	
Single ended mode	KA10 & KA10-10 to drive up to 2 units each channel

PHYSICAL	
Measures	2.5 in dia x 3.6 in deep (6.4 x 9.3 cm)
Weight	0.77 lbs (0.35 Kg)

KT20c

The KT20c miniature sound source is a passive loudspeaker, designed for ceiling mount high-quality distributed systems. Housed in a compact aluminum enclosure, the KT20c is especially suitable for installations involving space limitations and visibility concerns, such as fill and spot coverage, and hidden locations like chancel steps in a house of worship. It offers the same sonic capabilities as the KT20 in a package specifically designed for flushmount ceiling and wall applications, where it mounts in 84.50 mm backcans. Its proprietary 2" cone transducer delivers an impressive maximum peak SPL of 107dB, and has a wide operating frequency range from 150 Hz to 18 kHz with very low distortion.

FEATURES

- Single 2" long excursion full range driver
- Wide range frequency response
- Aluminum ultra strong frame
- Available in Black or Nickel
- High dynamic range capability
- Integrated connection points for accessories

APPLICATIONS

- Background music systems in restaurants and clubs
- High quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for theaters



SPECIFICATIONS

ACOUSTICS	
Power handling	10 W
Max power	30 W
Impedance	8 ohms
Operating frequency range	200 Hz - 19 KHz +/- 3dB (preset dependent)
Frequency range	150 HZ - 20 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	87 dB
Maximum SPL	101 dB continuous - 107 dB peak

COVERAGE	
Horizontal	90° (single unit) - array dependent
Vertical	90° (single unit) - array dependent
Cross Over Type	External crossover required
Frequency	150Hz 24dB/oct minimum suggested

TRANSDUCERS	
Full Range	2" neodymium magnet 0.75" VC long-excursion speakers

RECOMMENDED AMPLIFIERS	
Single ended mode	KA10 & KA10-10 to drive up to 2 units each channel

PHYSICAL	
Measures	3.3 in dia x 3.5 in deep (8.45 x 9.0 cm)
Weight	0.88 lbs (0.40 Kg)

KT20ma

The KT20ma delivers an incredible maximum peak of 107dB from its integrated amplifier in a unit that fits in the palm of your hand. The elegant but rugged enclosure is built to aircraft specifications from a single piece of aluminum and measures a mere 6.4cm(dia) x 9.3cm(deep). The KT20ma has flexible and easy-to-configure mounting options. With its ability to effortlessly reproduce both speech and music, it makes an excellent choice for fixed applications such as theatre, museum displays, restaurants, portable systems for corporate AV presentations, department stores, and in hidden locations such as chancel steps in houses of worship. The KT20ma has a proprietary 2" high efficiency drive unit with a neodymium magnet structure and a suspension engineered for maximum linear excursion and minimum residual transducer interference. This cone transducer delivers an impressive maximum peak SPL of 107dB, and has a wide operating frequency range from 150 Hz to 18 kHz with very low distortion. KT20ma has a 4-pin Phoenix connector that supplies the power and balanced audio input, making setup or fixed installation quick and easy.



FEATURES

- Self-powered
- Single 2" long excursion full range driver
- Wide range frequency response
- Integrated Phoenix connector
- Aluminum ultra strong frame
- Top quality components for outstanding performance
- Available in Black or Nickel
- High dynamic range capability
- Integrated connection points for accessories

APPLICATIONS

- Background music systems in restaurants and clubs
- High quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for theaters
- Under balcony applications

SPECIFICATIONS

ACOUSTICS	
Power handling	10 w
Max power	30 w
Impedance	8 ohms
Operating frequency range	180 Hz - 18 KHz +/- 3dB (preset dependent)
Frequency range	150 HZ - 18 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	87 dB
Maximum SPL	101 dB continuous - 107 dB peak
COVERAGE	
Horizontal	90°
Vertical	90°
TRANSDUCERS	
Full range	2" Neodymium speaker with 0.75" voice coil
CONNECTORS	
Audio and Power	male 4-pin Phoenix
Remote Volume Control	male 2-pin white connector
AMPLIFIER	
Type	1 module class D electronically processed
Power	30 W @ 8 ohm
Protection	Dynamic limiter, over current, over temp, short circuits, Electronically balanced
INPUT	
Input impedance	112K balanced 56K unbalanced
Distortion	
DC POWER	
Operating range	Standard 12 - 24 Vdc
Max continuous & burst current	Standard 0.75A(>10 sec) - 3A (<1 sec)
PHYSICAL	
Dimensions	2.5 in dia x 3.6 in deep (6.4 x 9.3 cm)
Weight	0.88 lbs (0.40 Kg)

KT20cma

The KT20cma offers the same sonic capabilities as the KT20ma in a package specifically designed for flushmount ceiling and wall applications. Built to aircraft specifications from a single piece of aluminum and measuring 8.45cm (dia) x 9 cm (deep), it offers flexible and easy-to-configure mounting options. With its ability to effortlessly reproduce both speech and music, it makes an excellent choice for fixed applications. The KT20cma has a proprietary 2" high efficiency drive unit with a neodymium magnet structure and a suspension engineered for maximum linear excursion and minimum residual transducer interference. This cone transducer delivers an impressive maximum peak SPL of 107dB, and has a wide operating frequency range from 150 Hz to 18 kHz with very low distortion.



FEATURES

- Self-powered
- Single 2" long excursion full range driver
- Wide range frequency response
- Integrated 4-pin Phoenix connector
- Electronically protected
- Aluminum ultra strong frame
- Available in Black or Nickel
- High dynamic range capability
- Integrated connection points for accessories

APPLICATIONS

- Background music systems in restaurants and clubs
- High quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for theatres
- Under balcony applications

SPECIFICATIONS

ACOUSTICS	
Power handling	10 w
Max power	30 w
Impedance	8 ohms
Operating frequency range	180 Hz - 18 KHz +/- 3dB (preset dependent)
Frequency range	150 HZ - 18 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	87 db
Maximum SPL	101 dB continuous - 107 dB peak
COVERAGE	
Horizontal	90°
Vertical	90°
RECOMMENDED CROSSOVER	
Type	Active, minimum 12dB/oct slope
Frequency	180 Hz
TRANSDUCERS	
Full range	2" Neodymium speaker with 0.75" voice coil
CONNECTORS	
Audio and Power	male 4-pin Phoenix
Remote Volume Control	male 2-pin white connector
AMPLIFIER	
Type	1 module class D electronically processed
Power	30 W @ 8 ohm
Protection	Dynamic limiter, over current, over temp, short circuits, Electronically balanced
INPUT	
Input impedance	112K balanced 56K unbalanced
Distortion	F = 1 KHz Po = 20W 0,2% THD+N
DC POWER	
Operating range	Standard 12 - 24 Vdc
Max continuous & burst current	Standard 0.75A(>10 sec) - 3A (<1 sec)
PHYSICAL	
Dimensions	3.3 in dia x 3.5 in deep (8.45 cm x 9.0 cm)
Weight	0.88 lbs (0.40 Kg)

KTL22

The KLT 22 is a miniature compact speaker with integrated RGB led spotlight. Its full aluminum housing makes it strong and very light weighted. This speaker is very suitable in modern spaces with limited room for sound installations.

FEATURES

- Unique performance-to-size ratio
- Single 2" long excursion full range driver
- Wide-range frequency response
- High speech intelligibility and high dynamic range for music applications
- Ceiling mounting version (KTL22C) available
- 6x2.5W high efficiency RGB LED
- Remotely controllable by K-CTRL device
- Full Aluminum ultra strong frame
- Available in Black or Aluminum
- Integrated connection points for accessories
- Only 350g of weight

APPLICATIONS

- High-quality distributed systems for paging and music
- Exhibit audio for museum displays
- Architectural light and sound installations
- Space-sensitive fill for theatres



SPECIFICATIONS

ACOUSTICS	
Power handling	10 W(AES)
Maximum Power	30 W
Impedance	32 ohms
Operating frequency range	200 Hz - 18 KHz +/- 3dB (preset dependent)
Frequency range	150 Hz - 18 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	87 dB (low-mid)
Maximum SPL	101 dB continuous - 107 dB peak
COVERAGE	
Horizontal	90°
Vertical	90°
CROSS OVER	
Type	External cross over required
Frequency	150Hz 24dB/oct minimum suggested
TRANSDUCERS	
Full-range	2" Neodymium cone driver with 0.75" voice coil
POWER AUDIO INPUT	
Connectors	
RECOMMENDED AMPLIFIERS	
for KT22/KT22C	KA3-3, KA7, KA7-7, KA10, KA10-10 for up to 8 units each channel
LIGHT	
Sources	6 x 2.5w max RGB Led
Operating voltage	22 - 28 Vdc
Max power	12w @ 24 Vdc
Connectors	4-pin Phoenix screw terminal
K-CTRL for up to 4 units	
PHYSICAL	
Dimensions	6.4 cm dia x 9.3 cm deep (2.5" dia x 3.6" deep)
Weight	0.35 Kg (0.77 lbs)

KZ10

The KZ10 is a remarkable ultra micro line array, designed for discreet use in a variety of situations such as restaurants, bars and museums. This tiny line array is housed in a sleek case built around a super strong chassis. This rugged enclosure contains a line array of 4 x 0.5" long excursion full range drivers. These high efficiency drive units have neodymium magnet structures and suspensions engineered for maximum linear excursion and minimum residual transducer noise. This miniature slim column is a mere 1.7cm deep and delivers true crystal clear audio with an amazing output of 92dB. The system delivers long throw and coherent coverage making it ideal for use in space constrained situations. Up to four KZ10s can be integrated to the KKS50 sub bass, extending the frequency range to 35Hz.

FEATURES

- Multiple 0.5" long excursion full range drivers
- Wide range frequency response
- Integrated connector
- Aluminum ultra strong frame
- Available in Black or White
- Wide dynamic range

APPLICATIONS

- Background music systems in restaurants and clubs
- High quality distributed systems for paging and music
- Exhibit audio for museum displays
- Space-sensitive fill for broadcast



SPECIFICATIONS

ACOUSTICS	
Power handling	8 w
Max power	15 w
Impedance	16 ohms
Operating frequency range	350 Hz - 18 KHz +/- 3dB (preset relating)
Frequency range	250 Hz - 18 KHz +/- 3dB (preset relating)
SPL 1W/1mt	82 dB
Maximum SPL	92 dB continuous - 98 dB peak
COVERAGE	
Horizontal	140°
Vertical	20°
CROSSOVER TYPE	
Frequency	External crossover required 250Hz 24dB/oct minimum suggested
TRANSDUCERS	
Full range	4 x 0.5" Neodymium speaker with 0.5" voice coil
AUDIO & POWER CONNECTOR	double push micro connector
RECOMMENDED AMPLIFIER	
Single ended	KA1-1 to drive up to 2 KZ10 each channel KA7-7 to drive up to 4 KZ10 each
PHYSICAL	
Measures	0.8 x 4.3 x 0.6 in (2.2 cm x 11 cm x 1.7 cm)
Weight	0.2 lbs (90g)



KKS50

The Kobra KKS50 subwoofer is designed to be used with any Systems Integration Series loudspeakers to produce clear, concise, thunderous bass and subharmonics.

FEATURES

- Vertical and horizontal array possibility
- Unique performance-to-size ratio
- Multiple 4" long excursion drivers
- 65Hz - 300Hz frequency response
- Electronically protected
- High dynamic range capability
- Completely compliant with KK50 and KK200
- Top quality components for outstanding performances
- Essential shape for invisible installation
- For use in stand alone arrays or in combination with other K-array systems

APPLICATIONS

- Theatres as main PA arrays
- Front and under-balcony fill
- Portable and installed audio-visual systems
- Stage and AV-Studios monitoring



SPECIFICATIONS

ACOUSTICS	
Power handling	300 W1
Max power	600 W2
Impedance	32 Ohm - 8 Ohm select.
Operating frequency range	65 Hz - 300 Hz +/- 3dB3
Frequency range	60 HZ - 300 Hz +/- 3dB4
SPL 1W/1mt	92 dB5
Maximum SPL	117 dB continuous 123 dB peak6
TRANSDUCERS	
Full-range	4 x 4" neodymium 1.5"VC
Power Audio Input	long-excursion drivers
CONNECTORS	
Wiring	Two x 4 pins Speakon
SELECTION SWITCHES	
Circuit	CH1(1+/1-) - CH2(2+/2-) CH1/CH2 wiring possibility 32 Ohm - 8 Ohm select.
RECOMMENDED AMPLIFIERS (32 Ohm setting)	
Single ended mode	KA10, KA15, KA40 to drive up to 8 units each channel
Bridge mode	KA10, KA15 to drive up to 4 units each amplifier
RECOMMENDED AMPLIFIERS (8 Ohm setting)	
Single ended mode	KA10, KA15 to drive up to 2 units each channel
PHYSICAL	
Measures	4.3 x 7.8 x 19.6 in (110 x 200 x 500 mm)
Weight	15.4 lbs (7 Kg)

KU36

The Rumble KU 36 is a weatherproof high power subwoofer. Its small size makes it ideal for theaters, clubs and churches. Besides the KU 36 can be used in situations where extension of the existing low range is needed.

FEATURES

- Unique performance-to-size ratio
- 6" long-excursion woofer
- Double 6" passive radiator
- Extended frequency response
- Electronically protected
- Integrated fl ying points
- Double voice coil (4 ohms + 4 ohms)
- Top quality components for outstanding performance
- Weather proof, suitable for outdoor installations
- Available in black or white

APPLICATIONS

- Theatre, Club, Churches
- To extend the low range in small and midium rooms
- Portable and installed AV systems
- Stage and AV studio monitoring



SPECIFICATIONS

ACOUSTICS	
Power handling	2 X 80 W(AES)
Impedance	2 X 4 ohms
Operating frequency range	45 Hz - 300 KHz.
SPL 1W / 1mt	89 dB
Maximum SPL	115 dB continuous - 121 dB peak
TRANSDUCERS	
Full range	6" Neodymium magnet with 1.5" voice coil
AUDIO INPUT	
Connectors	4-pin Phoenix
Wiring	Pin1=Ch 1-, Pin2=Ch 1+, Pin3=Ch 2-, Pin4=Ch 2+
Recommended Amplifiers	
	KA1-1, KA3-3, KA7-7, KA10-10
PHYSICAL	
Dimensions	50.7 x 17.5 x 10.5 cm (19.96" x 6.89" x 4.13")
Weight	6.8 Kg (15 lbs)

KA Amplifiers

The KA professional rack amplifier line has been designed to support all touring and installation applications in which a large amount of power and maximum flexibility is needed. On-board DSP (except in model "N") provides perfect signal processing for all K-array products, offering a large choice of dedicated presets to handle most any high-end application. A dedicated remote control ensures a constant connection with all the units, and allows complete management of the installed presets (and the ability to download new ones).

FEATURES

- Light weight
- Compact design, 2U rack for 4 channels
- Optical limiters
- Electronically protected
- High efficiency
- DSP on-board to drive all K-array products
- Remote control via RS-485 and dedicated management software
- Aluminum frame



SPECIFICATIONS	KA7	KA7-7	KA10	KA10-10	KA40
OUTPUT POWER					
Continuous 4 Ω (0.5% THD)	2 x 250 W1	2 x 1500 W1	2 x 390 W1	4 x 390 W1	4 x 250 W1
EIAJ 4 Ω (1% THD)	2 x 350 W2	2 x 2000 W2	2 x 500 W2	4 x 500 W2	4 x 350 W2
Continuous 8 Ω (0.5% THD)	2 x 170 W1	2 x 1100 W1	2 x 240 W1	4 x 240 W1	4 x 170 W1
EIAJ 8 Ω (1% THD)	2 x 190 W2	2 x 1200 W2	2 x 260 W2	4 x 260 W2	4 x 190 W2
Bridged-EIAJ 4 Ω (1% THD)	1000 W2				2 x 700 W2
Bridged-EIAJ 8 Ω (1% THD)	700 W2	4000 W2	1000 W2		2 x 380 W2
AUDIO SPECS					
Slew Rate 8 Ω	30V/uS	30V/uS	50V/uS	50V/uS	30V/uS
S/N Ratio	>113 dB/A	>108 dB/A	>105 dB/A	>105 dB/A	>113 dB/A
Distortion (THD, DIM, SMPTE)	<0.005%	<0.5%	<0.5%	<0.5%	<0.005%
Input Impedance	20K bal. 10K unbal.	20K bal. 10K unbal.	20K bal. 10K unbal.	20K bal. 10K unbal.	20K bal. 10K unbal.
Gain	Variable	Variable	Variable	Variable	Variable
Output	Unbalanced to ground	Unbalanced to ground	Unbalanced to ground	Unbalanced to ground	Unbalanced to ground
Bandwidth	3 Hz - 45 KHz	5 Hz - 25 KHz	10 Hz - 30 KHz	10 Hz - 30 KHz	3 Hz - 45 KHz
Damping Factor 8 Ω (100Hz)	>1000	>300	>500	>500	>1000
PROTECTION					
Thermal protection	Yes	Yes	Yes	Yes	Yes
Short circuit / over-load	Yes	Yes	Yes	Yes	Yes
Clip limit, Perm. sig. limit	Yes	Yes	Yes	Yes	Yes
AUDIO INPUT					
Connectors	2 x M + 2 x F bal. XLR	2 x M + 2 x F bal. XLR	2 x M + 2 x F bal. XLR	2 x M + 2 x F bal. XLR	2 x M + 2 x F bal. XLR
Wiring	1=gnd 2=hot 3 = cold	1=gnd 2=hot 3 = cold	1=gnd 2=hot 3 = cold	1=gnd 2=hot 3 = cold	1=gnd 2=hot 3 = cold
REMOTE CONTROL INPUT					
Connectors	2 x female 8 pins RJ45	2 x female 8 pins RJ45	2 x female 8 pins RJ45	2 x female 8 pins RJ45	2 x female 8 pins RJ45
REMOTE CONTROL					
Protocol	RS485 - V3 software	RS485 - V2 software	RS485 - V2 software	RS485 - V2 software	RS485 - V3 software
CONNECTORS					
Power Output Connectors	2 x SPEAKON 4 pins	2 x SPEAKON 4 pins	2 x SPEAKON 4 pins	2 x SPEAKON 4 pins	2 x SPEAKON 4 pins
Power Input Connectors	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT	2 x PowerCon IN/OUT
AC POWER					
Operating range	85 - 270 Vac 50/60Hz	85 - 270 Vac 50/60Hz	EU 210-240 Vac 50Hz	EU 210-240 Vac 50Hz	85 - 270 Vac 50/60Hz
Max continuous and burst current	Universal up to 400Vac	Universal up to 400 Vac	USA 100-120 Vac 60Hz	USA 100-120 Vac 60Hz	Universal up to 400Vac
Overvoltage tolerance	12A(>10s) - 24A(<1s)	12A(>10s) - 24A(<1s)	EU 5A(>10s) - 10A (<1s)	EU 6.3A(>10s) - 12A (<1s)	12A(>10s) - 24A(<1s)
Overvoltage tolerance			USA 10A(>10s) - 20A(<1s)	USA 12A(>10s) - 24A(<1s)	
PHYSICAL					
Measures	34.6x78.7x98.4in	34.6x78.7x190.9in	34.6x78.7x190.9in	34.6x78.7x190.9in	34.6x78.7x190.9in
Weight	6.61 lbs (3.0 Kg)	11 lbs (5 Kg)	7.7 (3.5 Kg)	9.9 lbs (4.5 Kg)	6.61 lbs (3.0 Kg)

KA1-1

High technology self-powered PA System and line array element

FEATURES

- Very light weight
- Compact design
- Optical limiters
- Electronically protected
- Ultra-high efficiency
- DSP on-board to drive all K-array products
- Remote control
- eDSP management software
- Top quality components for outstanding performance Aluminum frame

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Exhibit audio for museum displays
- Cinema and installed AV systems
- Diffused sound systems



SPECIFICATIONS

OUTPUT POWER	
Max power 4 ohms	4x 50 w(EIAJ)
Max power 8 ohms	4 x 30 w (EIAJ)
Connectors	4 x 4-pin screw connector
PROTECTION	
Thermal protection	Yes
Short circuit / over-load	Yes
Clip limit, Analog signal limit	Yes
AUDIO INPUT	
Connectors	2 x Female 3-pin bal .XLR
Wiring	Pin1 = Ground / Pin2 = hot (+) / Pin3 = cold (-)
REMOTE CONTROL INPUT	
Connectors	2 x Female 8-pin RJ45 + USB
REMOTE CONTROL	
Protocol	RS485 - eDSP software
DC POWER	
Connectors	2-pin Phoenix screw connector
Operating range	12 - 24 Vdc
Power continuous and burst current	8A(>10) - 12A(<1)
PHYSICAL	
Dimensions	11 x 8.5 x 19.2 cm (4.33"x 3.5"x 7.56")
Weight	1 Kg (2.2 lbs)

PORTABLE SYSTEMS

The K-array Portable Systems line is a lightweight, portable, professional speaker series. The entire Redline Series offers powerful solutions to portable audio, and a K-array Redline System will offer the highest quality audio coverage available in such a light weight and easy to use system. The Redline System will provide pristine and powerful audio for medium sized applications for vocals, speech, DJs, and a variety of live sound applications.

Redline



KR100s

The KR100s is a high performance ultra-slim powered two way system designed for use with small to medium wavefront systems, in both mobile and install applications. The ultra-light reflex cabinet is fitted with two pocket handles and one 35mm pole mounting point for easy installation of satellite speakers, and offers large area porting to reduce air noise. It features a line array of 2" high efficiency drive units with neodymium magnet structure and suspensions engineered for maximum linear excursion and minimum noise problems. The ultra-strong chassis ensures high resistance and durability.

FEATURES

- Unique performance-to-size ratio
- Integrated mounting system
- DSP on board with 16 dedicated presets
- Remote PC control software (RS485)
- Ultra fast set-up and dismantling system
- High power dB continuous, 130dB peak
- Fitted with integral handles and castors

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects

SPECIFICATIONS

ACOUSTICS	
Power handling	500(sub) + 250(sat) w1
Max power	1000(sub) + 600(sat) w(sub) + 8 (sat)
Impedance	
Operating frequency range	40Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	35Hz - 19 KHz +/- 3dB (preset relating)
SPL 1W/1mt	98.5 dB(sub) 98 dB(sat)
Maximum SPL	124dB continuous - 130 dB peak
CROSSOVER TYPE	
Frequency	DSP controlled preset relating 150 Hz minimum (preset relating)
TRANSDUCERS	
Low frequency	1 x 12" Neodymium speakers with 3" voice coil
High frequency	16 x 2" Neodymium speakers with 0,75" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3 poles balanced XLR
Wiring	= ground / = hot / = cold
AUDIO POWERED OUTPUT	
Connector	Female Speakon
Wiring	= CH1+ / = CH1- / = N.C. / = N.C.
Remote control Input	1 x female 8 poles RJ45
Connectors	2 x PowerCon IN/OUT
AMPLIFIERS	
Type	1 modules class D - DSP controlled
Subwoofer power	750 Watt
Satellite power output	750 Watt
Protections	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	Standard 210 - 240 Vac 50Hz (standard)
Max continuous & burst current	Standard 6A(>10 sec) - 12A (<1 sec)
PHYSICAL	
Measures	13.2 x 13.2 x 17.1 in/33.5 x 33.5 x 43.5 cm (KL12ma) 2.1 x 2.75 x 39.3 in/ 5.5 x 7 x 100 cm (KR100)
Weight	28.6 lbs/13 Kg (KL12ma) 9.9 lbs/4.5 Kg (KR100)



KR200s

The larger KR200s offers the same state-of-the-art features as the KR100S but boasts a line array of 32 2" high efficiency drive units. It excels in small to medium wavefront systems, in both mobile and install applications. Its ultra-strong chassis ensures high resistance and durability.

FEATURES

- Unique performance-to-size ratio
- Integrated mounting system
- DSP on board with 16 dedicated presets
- Remote PC control software (RS485)
- Ultra fast set-up and dismantling system
- High power dB continuous, 133dB peak
- Fitted with integral handles and castors

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects

SPECIFICATIONS

ACOUSTICS	
Power handling	800(sub) + 500(sat) w1
Max power	1200(sub) + 1200(sat) w
Impedance	8 ohms (sub) + 8 ohms (sat)
Operating frequency range	30Hz - 19 KHz +/- 3dB (preset dependent)
Frequency range	35Hz - 19 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	97 dB(sub) 101 dB(sat)
Maximum SPL	127dB continuous - 133 dB peak
CROSSOVER TYPE	
Frequency	DSP controlled preset 150 Hz minimum (preset)
TRANSDUCERS	
Low frequency	1 x 18" Neodymium speakers with 3" voice coil
High frequency	32 x 2" Neodymium speakers with 0,75" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3-pin balanced XLR
Wiring	= ground / = hot / = cold
AUDIO POWERED OUTPUT	
Connector	Female Speakon
Wiring	= CH1+ / = CH1- / = N.C. / = N.C.
REMOTE CONTROL INPUT	
Connectors	1 x female 8-pin RJ45
Power Input	2 x PowerCon IN/OUT
Connectors	1 modules class D - DSP controlled
AMPLIFIERS	
Subwoofer power	1000 Watt
Satellite power output	1000 Watt
Protections	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	Standard 210 - 240 Vac 50Hz (standard)
Max continuous & burst current	Standard 6A(>10 sec) - 12A (<1 sec)
PHYSICAL	
Dimensions	18.3 x 18.3 x 23.0 in (46.5 x 46.5 x 58.5 cm) (KL12ma)



KR400s

The latest addition to the KR family: the KR400S. A very portable and powerful system, ideal for many situations. This sleek system delivers an amazing continuous 132 decibels and can be remotely controlled with the PC remote software.

FEATURES

- Unique performance-to-size ratio
- High power 132dB continuous, 138dB peak
- Fitted with integral handles
- Line array emission wavefront
- Integrated mounting system
- DSP on board with 16 dedicated presets
- Remote PC control software (RS485)
- Ultra fast set-up and dismantling system

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects

SPECIFICATIONS

ACOUSTICS	
Power handling	1500(sub) + 2 x 720(sat) w(EAS)
Maximum amplifier power	2500(sub) + 2 x 1200(sat) w(EIAJ)
Impedance	4 ohms (sub) + 6 ohms (sat)
Operating frequency range	30Hz - 19 KHz +/- 3dB (preset dependent)
Maximum SPL	132dB continuous - 138 dB peak
CROSS OVER	
Type	DSP controlled
Frequency	80 Hz minimum (preset dependent)
TRANSDUCERS	
Low frequency	21" Neodymium speakers with 3" voice coil
Hgh frequency	2 x 12 x 3" Neodymium speakers with 1" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3-pin balanced XLR
Wiring	Pin1 = ground - Pin2 = hot - Pin3 = cold
AUDIO POWER OUTPUT	
Connector	4-pin Female Speakon
Wiring	Pin1+=CH1+ Pin1=CH1- Pin2+=Pointer + Pin2=Pointer -
REMOTE CONTROL INPUT	
Connectors	2 x female 8 poles RJ45
POWER INPUT	
Connectors	2 x PowerCon IN/OUT
AMPLIFIERS	
Type	1 modules class D - DSP controlled
Subwoofer power output	1800 Watt (1)
Satellite power output	1800 Watt (1)
Protection	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	85 - 270 Vac 50-60Hz (Autorange)
Max continous and burst current	12A(>10 sec) - 24A (<1 sec)
PHYSICAL	
Dimensions	KL21ma: 55.5 x 55.5 x 77.7 cm (21.85" x 21.85" x 30.59 ") KR400 (2 pcs): 8.8 x 100.5 x 11.5 cm (3.56" x 39.57" x 4.53")
Weight	KL21ma: 39 Kg (85.98 lbs) KR400: 9 Kg (19.84 lbs)



KF12

The KF12 is a self-powered 2-way full range coaxial speaker. Despite its ultra-compact size, it offers an incredible reserve of power that ensures high SPL over wide 3D coverage, with consistently excellent sound quality. Ideal for medium throw applications, like theaters, concert halls and churches, the KF12 is designed to easily integrate with the KL18 ultra light subwoofer, powered by the sub power output.

The KF12 features a 12" inch cone driver for low-mid frequencies with a 3" voice coil. The mid-high frequencies section employs a 3" voice coil compression driver. The coaxial mounting system ensures a coherent frequency response over the entire 70° x 70° front area.

The transducers of the KF12 are driven by an internal DSP module. Dedicated remote control software lets you control the speaker from a PC.

FEATURES

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Flat amplitude and phase response
- Wide, symmetrical pattern covers broad listening areas
- Integrated 35mm pole adapter
- Ultra fast set-up and dismantling system
- For use as stand alone fullrange or in combination with KL18 subwoofer

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema surround sound and effects
- Compact voice reinforcement systems



SPECIFICATIONS

ACOUSTICS	
Power handling	800 + 200 w1
Max power	1200 + 500 w2
Impedance	8 ohms + 8 ohms
Operating frequency range	40Hz - 19 KHz +/- 3dB (preset dependent)
Frequency range	60Hz - 19 KHz +/- 3d (preset dependent)
SPL 1W/1mt	97 dB (low) 101 dB (high)
Maximum SPL	127dB continuous - 133 dB peak
COVERAGE	
Horizontal	70°
Vertical	70°
CROSS OVER	
Type	DSP controlled preset
Frequency	1.2 KHz minimum (preset dependent)
TRANSDUCERS	
Low - Mid frequency	1 x 12" Neodymium speakers with 3" voice coil
High frequency	1 x 2" Neodymium coaxial compression driver with 3" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3-pin balanced XLR
Wiring	Pin1 = ground / Pin2 = hot / Pin3 = cold
AUDIO POWERED OUTPUT	
Connector	Female Speakon
Wiring	Pin1+ = CH1+ / Pin1- = CH1- / Pin2+ = N.C. / Pin2- = N.C.
REMOTE CONTROL INPUT	
Connectors	1 x female 8-pin RJ45
POWER INPUT	
Connectors	2 x PowerCon IN/OUT
AMPLIFIERS	
Type	1 module class D - DSP controlled
Power	1000 + 500 Watt
Sub power output	1000 Watt
Protections	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	Standard 210 - 240 Vac 50Hz (standard) Optional 100 - 120 Vac 60Hz (optional)
Max continuous and burst current	Standard 6A(>10 sec) - 12A (<1 sec) Optional 10A(>10 sec) - 20A (<1sec)
PHYSICAL	
Dimensions	12.9 x 12.9 x 13.2 in (33 x 33 x 33.5 cm)
Weight	28.6 lbs (13 Kg)

KL12

The KL12 is a high performance sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. It features a 600 watt 12" drive unit with neodymium magnet structure and suspension engineered for maximum linear excursion. The ultra-light reflex cabinet is fitted with two pocket handles and one 35mm pole mounting point for easy installation with satellite speakers. It features large area porting to reduce air noise, and is designed to be powered by sub power output.

FEATURES

- Unique performance-to-size ratio
- Integrated 35mm pole adapter
- Ultra fast set-up and dismantling system
- High power 123dB continuous, 129dB peak
- Fitted with integral handles and castors
- Direct radiating, long excursion 12" driver

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema surround sound and effects
- Optimized for KF8 systems



SPECIFICATIONS

ACOUSTICS	
Power handling	600 w1
Max power	1200 w
Impedance	
Operating frequency range	30Hz - 150 Hz +/- 3dB (preset dependent)
Frequency range	40Hz - 150 Hz +/- 3dB (preset dependent)
SPL 1W/1mt	95 dB
Maximum SPL	123dB continuous - 129 dB peak
COVERAGE	
Horizontal	DSP controlled preset
Vertical	150 Hz max (preset dependent)
TRANSDUCERS	
Low - Mid frequency	1 x 12" Neodymium speakers with 3" voice coil
AUDIO INPUT	
Connectors	2 x 4-pin female Speakon
Wiring	= positive / =negative / P = N.C.
PHYSICAL	
Dimensions	12.9 x 12.9 x 15.7 in (33 x 33 x 40 cm)
Weight	26.4 lbs (12 Kg)

KL18

The KL18 is a high performance sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. It features a 1600-watt 18" drive unit with neodymium magnet structure and suspension engineered for maximum linear excursion. The ultra-light reflex cabinet is fitted with two pocket handles and one 35mm pole mounting point for easy installation of satellite speakers. It features large area porting to reduce air noise, and is designed to be powered by sub power output.

FEATURES

- Unique performance-to-size ratio
- Integrated 35mm pole adapter
- Ultra fast set-up and dismantling system
- High power 127dB continuous, 133dB peak
- Fitted with integral handles and castors
- Direct radiating, long excursion 18" driver

APPLICATIONS

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Portable and installed audio-visual systems
- Cinema and special effects
- Optimized for KF12 systems



SPECIFICATIONS

ACOUSTICS

Power handling	800 w1
Max power	1600 w
Impedance	8 ohms
Operating frequency range	30Hz - 150 Hz +/- 3dB (preset dependent)
Frequency range	35Hz - 100 Hz +/- 3dB (preset)
SPL 1W/1mt	97 dB
Maximum SPL	127dB continuous - 133 dB peak

COVERAGE

Horizontal	DSP controlled preset
Vertical	150 Hz max (preset)

TRANSDUCERS

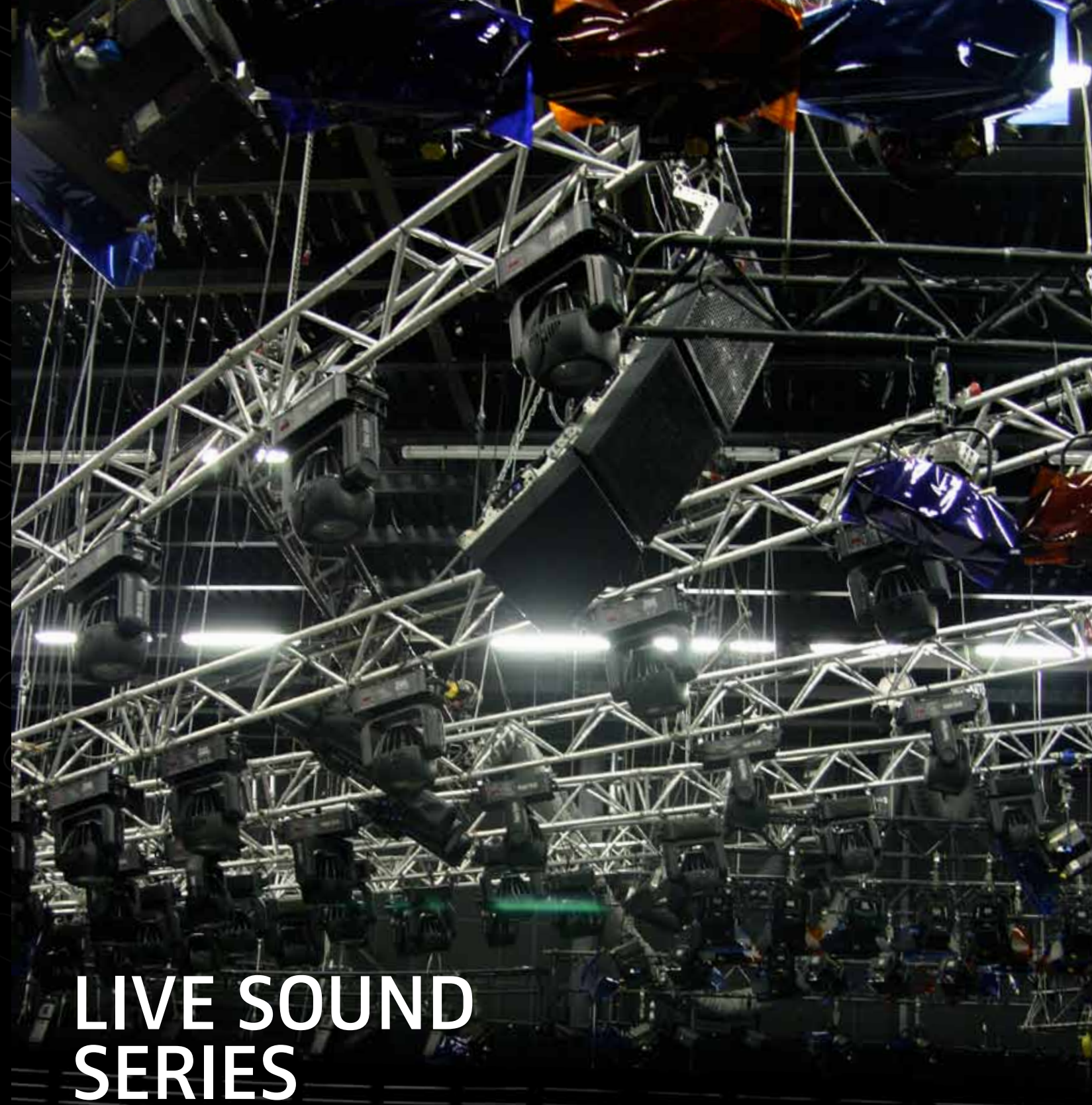
Low - Mid frequency	1 x 18" Neodymium speakers with 3" voice coil
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AUDIO INPUT

Connectors	2 x 4-pin female Speakon
Wiring	= positive / = negative / P = N.C.

PHYSICAL

Dimensions	18.3 x 18.3 x 23.0 in (46.5 x 46.5 x 58.5 cm)
Weight	37.4 lbs (17 Kg)



LIVE SOUND SERIES

The K-array Live Sound Series is an incredibly lightweight and professional line-array speaker series that provides powerful touring sound in light weight boxes that are easy to hang and groundstack. The simplicity and ease of configuration of the Live Sound Series makes it a perfect solution for touring acts who are looking for high quality and professional alternatives to hanging heavy boxes and transporting heavy equipment.

KH4

The KH4 is a self-powered 2-way line array speaker that offers an incredible reserve of power for very high SPL with consistently superior sound quality. It is ideal for longer throw applications in large venues, yet it is a mere 16cm flat and weighs just 47Kg for easy use in more compact spaces. The KH4 boasts twelve 8" cone drivers (each with a 2.5" voice coil) for low-mid frequencies, powered by six power amplifier channels. The mid-high frequencies section uses five 1.75" voice coil compression drivers that drive 1"x4" constant directivity waveguides. Its drivers form an array exactly in the centre of the speaker, and a mechanical system allows different vertical coverage (from 7° to 37°) on each. The transducers are driven by an internal DSP module, and dedicated remote control software lets you control the speaker from a PC.



FEATURES

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Variable vertical coverage
- Wide horizontal coverage
- Very flat profile
- Integrated flying and stacking hardware
- Top quality components for outstanding performances
- Ultra fast set-up and dismantling system
- For use in stand alone arrays or in combination with other K-array systems

APPLICATIONS

- Large scale events
- Touring sound reinforcement
- Stadiums, arenas, concert halls, theatres
- Installations in low-load capacity situations

SPECIFICATIONS

ACOUSTICS	
Power handling	3600 w + 400 w
Max power	5000 w + 700 w
Impedance	6 x 4 ohms + 1 x 8 ohms + 1 x 6 ohms
Operating frequency range	60 Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	40 HZ - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	105 dB (low-mid) + 113 dB (high 1) + 114 dB (high 2)
Maximum SPL	139 dB continuous - 145 dB peak
COVERAGE	
Horizontal	120°
Vertical	mechanically variable from 7° to 37°
CROSSOVER TYPE	
Frequency	DSP controlled preset relating 1.2 KHz minimum (preset relating)
TRANSDUCERS	
Low - Mid frequency	12 x 8" Neodymium speakers with 2.5" voice coil
High frequency	5 x 1" Neodymium planar wave drivers with 1.75" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3 poles balanced XLR
Wiring	= ground / = hot / = cold
REMOTE CONTROL INPUT	
Connectors	2 x female 8 poles RJ45
POWER INPUT	
Connectors	2 x PowerCon IN/OUT
AMPLIFIERS	
Type	4 modules class D - DSP controlled
Power	500 watts x 8 channels on 4 ohm (4000 watt total)
Protections	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	Standard 210 - 240 Vac 50Hz (standard)
Max continuous & burst current	Standard 12A(>10 sec) - 24A (<1 sec)
PHYSICAL	
Measures	44.1 x 23.6 x 6.3 in (112 x 60 x 16 cm)
Weight	103 lbs (47 Kg)

KH15

The KH15 is a self-powered 2 way line array design speaker. Despite its ultra-compact size, it has an incredible reserve of power ensuring very high SPL over wide horizontal coverage with consistently excellent sound quality. Ideal for medium throw applications in theatres, concert halls and churches, its low profile box also excels in frontfill or corporate AV applications. The KH15 easily integrates with other products such as subwoofers or at the bottom of line array. It boasts two 8" cone drivers with a 3" voice coil for low-mid frequencies, powered by two power amplifier channels. The mid-high frequencies section uses two 1.75" voice coil compression drivers that drive 1"x4" constant directivity waveguides. The drivers are integrated in the box with a fixed angle of 20°. Flying points with different degrees allow for installation in curvilinear line arrays. The transducers are driven by an internal DSP module, and dedicated remote control software lets you control the speaker from a PC.



FEATURES

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Wide horizontal coverage
- Very flat profile
- Integrated flying hardware
- Integrated 35mm pole adapter
- Top quality components for outstanding performances
- Ultra fast set-up and dismantling system
- For use in stand alone arrays or in combination with other K-array systems

APPLICATIONS

- Medium scale events
- Front fill touring sound reinforcement
- Stadiums, theatres, concert halls, conferences
- Installations in low-load capacity situations

SPECIFICATIONS

ACOUSTICS	
Power handling	1500 w + 160 w
Max power	2000 w + 250 w
Impedance	4 ohms + 4 ohms - 16 ohms + 16 ohms
Operating frequency range	60 Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	70 HZ - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	99 dB (low-mid) + 113 dB (high)
Maximum SPL	130 dB continuous - 136 dB peak
COVERAGE	
Horizontal	120°
Vertical	15°
CROSSOVER TYPE	
Frequency	DSP controlled preset relating 1.2 KHz minimum (preset relating)
TRANSDUCERS	
Low - Mid frequency	2 x 8" Neodymium speakers with 3" voice coil
High frequency	2 x 1" Neodymium planar wave drivers with 1.75" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3 poles balanced XLR
Wiring	= ground / = hot / = cold
REMOTE CONTROL INPUT	
Connectors	2 x female 8 poles RJ45
POWER INPUT	
Connectors	2 x PowerCon IN/OUT
AMPLIFIERS	
Type	1 modules class D - DSP controlled
Power	750 W x 2 channels on 4 ohm + 250 W on 8 ohm
Protections	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	Standard 210 - 240 Vac 50Hz (standard)
Max continuous & burst current	Standard 6A(>10 sec) - 12A (<1 sec)
PHYSICAL	
Measures	22.0 x 9.8 x 6.3 in (56 x 25 x 16 cm)
Weight	26.4 lbs (12 Kg)

KS4

The KS4 is a self-powered dipole high performance subwoofer offering plenty of power for high SPL with superb sound quality. It is ideal for large live applications, especially touring P.A. systems. Only 16cm flat and weighing just 37Kg, the KS4 thrives in compact spaces. It easily integrates with other units, such as satellites. The KS4 sports eight 10" high excursion cone drivers (each with a 2" voice coil) for low frequencies, and are powered by eight power amplifier channels. The woofers are mounted in a box that ensures high rigidity and resistance to vibrations. Its integrated hardware system allows you to array it with others to cover very big open air venues. The transducers are driven by an internal DSP module, and dedicated remote control software lets you control the speaker from a PC.



FEATURES

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- "8" figure horizontal and vertical coverage
- Very flat profile
- Integrated flying and stacking hardware
- Top quality components for outstanding performances
- Ultra fast set-up and dismantling system
- For use in stand alone arrays or in combination with other K-array systems

APPLICATIONS

- Large scale events
- Touring sound reinforcement
- Stadiums, arenas, concert halls, theatres
- Installations in low-load capacity situations

SPECIFICATIONS

ACOUSTICS	
Power handling	4000 w
Max power	6000 w
Impedance	8 ohms x 4 ohms
Operating frequency range	45 Hz - 120 Hz +/- 3dB (preset relating)
Frequency range	30 Hz - 150 Hz +/- 3dB (preset relating)
SPL 1W/1mt	103 dB
Maximum SPL	132 dB continuous - 138 dB peak (measured with 6 units, related to 1)
COVERAGE	
Horizontal	120°
Vertical	120°
CROSSOVER TYPE	
Frequency	DSP controlled preset relating 150 Hz max suggested (preset relating)
TRANSDUCERS	
Low - Mid frequency	8 x 10" High excursion neodymium speakers with 2" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3 poles balanced XLR
Wiring	= ground / = hot / = cold
REMOTE CONTROL INPUT	
Connectors	2 x female 8 poles RJ45
POWER INPUT	
Connectors	2 x PowerCon IN/OUT
AMPLIFIERS	
Type	4 modules class D - DSP controlled
Power	500 watts x 8 channels on 4 ohm (4000 watt total)
Protections	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	Standard 210 - 240 Vac 50Hz (standard)
Max continuous and burst current	Standard 12A(>10 sec) - 24A (<1 sec)
PHYSICAL	
Measures	44.0 x 23.6 x 6.3 in (112 x 60 x 16 cm)
Weight	81.5 lbs (37 Kg)

Ko70

The Ko70 is a self-powered high output subwoofer boasting an incredible reserve of power that delivers very high SPL with stellar sound quality. Ideal for medium and large live applications, especially touring P.A. systems, the Ko70 easily integrates with other units. The Ko70 features two 21" very high excursion cone drivers (each with a 6" voice coil) for very low frequencies, powered by two power amplifier channels, (3500 watt RMS each). The woofers are mounted in a rugged box that ensures high rigidity and resistance to vibrations. The transducers are driven by an internal DSP module, and dedicated remote control software lets you control the speaker from a PC.



FEATURES

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Incredible output power to cover even the largest venues
- Top quality components for outstanding performances
- Efficient, high power and high-excursion cone drivers
- For use in stand alone or in combination with other K-array systems

APPLICATIONS

- Large scale events
- Touring sound reinforcement
- Stadiums, arenas, large theatres
- Installations in large disco situations

SPECIFICATIONS

ACOUSTICS	
Power handling	3000 w
Max power	8000 w
Impedance	2 ohms x 8 ohms
Operating frequency range	30 Hz - 120 Hz +/- 3dB (preset relating)
Frequency range	20 Hz - 150 Hz +/- 3dB (preset relating)
SPL 1W/1mt	99.5 dB
Maximum SPL	136 dB continuous - 140 dB peak
COVERAGE	
Horizontal	omni-array dependent
Vertical	omni-array dependent
CROSSOVER TYPE	
Frequency	DSP controlled preset relating 150 Hz max suggested (preset relating)
TRANSDUCERS	
Low - Mid frequency	2 x 21" High excursion neodymium speakers with 6" voice coil
AUDIO INPUT	
Connectors	male + female parallel 3 poles balanced XLR
Wiring	= ground / = hot / = cold
REMOTE CONTROL INPUT	
Connectors	2 x female 8 poles RJ45
POWER INPUT	
Connectors	2 x PowerCon IN/OUT
AMPLIFIERS	
Type	2 modules class D - DSP controlled
Power	3500 watts x 2 channels on 8 ohm (7000 watt total)
Protections	Dynamic limiter, over current, over temp, short circuits
AC POWER	
Operating range	Standard 100 - 240 Vac 50-60Hz (auto-range)
Max continuous & burst current	Standard 16A(>10 sec) - 32A (<1 sec)
PHYSICAL	
Measures	45.2 x 23.6 x 33.4 in (115 x 60 x 85 cm)
Weight	172 lbs (78 Kg)

Ko40

The Ko40 is a self-powered high output subwoofer offering very high SPL with superb sound. The Ko40 is ideal for medium and large live applications, especially touring P.A. systems, and it easily integrates with other units. It sports a 21" very high excursion cone driver with a 6" voice coil for very low frequencies and is powered by a 4000 watt RMS power amplifier. The woofer is sturdily mounted in a box that ensures high rigidity and resistance to vibrations. The transducer is driven by an internal DSP module, and dedicated remote control software allows efficient speaker control from any PC.

FEATURES

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Great output power to cover mid and large sizes venues
- Top quality components for outstanding performances
- Efficient, high power and high-excursion cone driver
- For use in stand alone or in combination with other K-array systems

APPLICATIONS

- Mid and Large scale events
- Touring sound reinforcement
- Stadiums, arenas, theatres
- Installations in mid and large disco situations



SPECIFICATIONS

ACOUSTICS	
Power handling	1500 w
Max power	4000 w
Impedance	8 ohms
Operating frequency range	30 Hz - 120 Hz +/- 3dB (preset relating)
Frequency range	25 Hz - 150 Hz +/- 3dB (preset relating)
SPL 1W/1mt	96.5 dB
Maximum SPL	130 dB continuous - 136 dB peak
COVERAGE	
Horizontal	omni-array dependent
Vertical	omni-array dependent
CROSSOVER TYPE	
Frequency	DSP controlled preset relating 150 Hz max suggested (preset relating)
TRANSDUCERS	
Low - Mid frequency	21" High excursion neodymium speaker with 6" voice coil
AUDIO INPUT	
Connectors	2 male + 2 female parallel 3 poles balanced XLR
Wiring	= ground / = hot / = cold
REMOTE CONTROL INPUT	
Connectors	2 x female 8 poles RJ45
POWER INPUT	
Connectors	2 x PowerCon IN/OUT (MAX OUT 4 A)
AMPLIFIERS	
Type	Class D - DSP controlled
Power	4000 Watt on 8 ohm
Protections	Dynamic limiter, over current, over temp, short circuits, Power Factor Correction
AC POWER	
Operating range	Standard 100 - 240 Vac 50-60Hz (auto-range)
P. nom	900 VA
Max continuous and burst current	Standard 10A(>10 sec) - 20A (<1 sec)
PHYSICAL	
Measures	23.6 x 23.6 x 85 in (60 x 60 x 85 cm)
Weight	158 lbs (42 Kg)

KJ50vb

FEATURES

- Selectable horizontal coverage
- Variable vertical coverage from external DSP control +/- 15° focus area
- Multiple 2" long excursion full-range drivers
- Smooth frequency response
- Electronically protected
- Top quality components for outstanding performance
- Ultra-thine frame for invisible installation
- Available in white

APPLICATIONS

- TV Stage monitoring
- Live Stage monitoring
- Ceiling PA or monitoring installations



SPECIFICATIONS

ACOUSTICS	
Power handling	4 x 150 W
Max power	4 x 200 W
Impedance	4 ohms x 16 ohms
Operating frequency range	150 Hz - 19 KHz +/- 3dB (DSP dependent)
Frequency range	180 Hz - 20 KHz +/- 3dB (DSP dependent)
SPL 1W/1mt	124 dB continuous - 130 dB peak
Maximum SPL	98 dB
COVERAGE	
Horizontal	Switchable from Spot (10°) to Flood (100°).
Vertical	DSP dependent 10° to 70°, +/- 15° variable focus (when 'Spot')
TRANSDUCERS	
Full-range	36 x 2" neodymium magnet 0.75" VC long-excursion speakers
SPEAKER INPUT	
Connectors	1 x 8 poles Speakon NL8 input. 1 x 8 poles Speakon NL8 Thru.
SELECTION SWITCHES	
Horizontal coverage	4 x switches for near, mid-near, mid-far and far-field
RECOMMENDED AMPLIFIERS	
	The K-array KA7-7 amplifier can drive up to 4 x KJ50vb speaker systems in parallel.
PHYSICAL	
Measures	19.8 x 17.0 x 2.3 in (503 x 434 x 58 mm)
Weight	20.3 lbs (9.2 Kg)

LIVE SOUND SERIES

Compact Stage Monitor

KM8

The KM8 is a compact, high performance stage monitor combining high output and controlled dispersion design to meet critical requirements in professional applications. It features a high-excursion 8" mid-low frequency drive unit and two 1.75" compression drivers mounted on two waveguides. Unlike standard monitoring systems, the KM8 does away with annoying phase problems.

FEATURES

- Unique performance-to-size ratio
- Single 8" ultra-long excursion bass driver
- Twin waveguide constant directivity coverage
- Two neodymium motor 1.75" voice coil compression driver
- Narrow horizontal coverage, optimized to make versatile line-array stage monitors
- Wide asymmetrical vertical coverage
- Integrated connection hardware
- Top quality components for outstanding performances
- For use in stand alone or in L.A.M.S. (Line Array Monitor System) applications

APPLICATIONS

- From smallest to largest stages
- Touring monitoring



SPECIFICATIONS

ACOUSTICS	
Power handling	600 W
Max power	1000 W
Impedance	
Operating frequency range	65 Hz - 19 KHz +/- 3dB (preset relating)
Frequency range	50 Hz - 20 KHz +/- 3dB (preset relating)
SPL 1W/1mt	96 dB (low-mid)
Maximum SPL	124 dB continuous - 130 dB peak
COVERAGE	
Horizontal	20°(single unit) - array dependent
Vertical	100°
CROSSOVER TYPE	
Frequency	Passive high-grade 18 dB/oct. 1.5 KHz
TRANSDUCERS	
Low - Mid frequency	8" Neodymium speaker with 3" voice coil
High frequency	Two Neodymium drivers with 1.75" voice coil on 4"x1" wave-guide
POWER AUDIO INPUT	
Connectors	Two x 4 poles SPEAKON
Wiring	
SELECTION SWITCHES	
Circuit	CH A (1+ / 1-) - CH B (2+ / 2-) CH A/CH B wiring mode possibility
POWER INPUT	
Connectors	2 x Speakon IN/OUT
RECOMMENDED AMPLIFIERS	
Single ended mode	KA10, KA15 and KA40 to drive up to 3 units of KM8 each channel
Bridge mode	KA10 to drive one unit each amplifier
PHYSICAL	
Measures	10.2 x 11.0 x 13.7 in (26 x 28 x 35 cm)
Weight	22 lbs (10 Kg)





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