

# Kobra KK102 Mark I

3D line array element, variable beam speaker



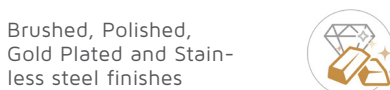
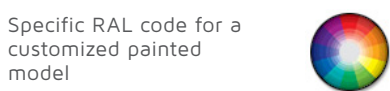
DATASHEET

Installed Sound KK102 1

## FEATURES

- Unique performance-to-size ratio
- Vertical, Horizontal and 3D line-array applications
- Multiple 2" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 8 Ohm or 32 Ohm impedance
- Weather proof, suitable for outdoor installations - IP54

## COLORS AVAILABLE



## DESCRIPTION

The K-array KK102 is a passive speaker system comprised of sixteen 2" neodymium magnet transducers housed in an elegant and sturdy stainless steel chassis. The vertical dispersion pattern can be switched for wide or narrow coverage, allowing for a great variety of applications. The sixteen closely spaced cone drivers provide true line array characteristics - phase coherence, low distortion and focused listening in both the near field, and at a distance from the speaker. A variety of rigging accessories provides many linking and hanging options for the KK102 (1 meter) and the smaller (0.5 meter) KK52 to be combined in vertical and horizontal line array configurations to satisfy many different venue requirements during temporary events and for permanent installations. For easier use and integration with other speakers or amplifiers, the KK102 allows the user to select two different values of impedance (8Ω - 32Ω). At 32Ω as many as 4 KK102 speakers can be powered off a single amplifier channel at 8Ω (up to 8 elements at 4Ω). The KK102 is able to reproduce the whole vocal frequency range with high intelligibility, starting from 150 Hz. Integrating one of K-array powered subwoofers (KMT12, KMT18, KMT21, KMT218), configured with specific presets for the KK102 assures excellent coverage of the entire musical frequency range. The K-array KA amplifier series have pre-sets optimized for KK102 use.

All KK102 components are designed by the K-array R&D department and custom-made under the K-array quality control system.

## APPLICATIONS

Broadcast/ TV Studio

Club/ DJ Set

Corporate/AV

Hospitality

House of Worship

Large Congregations

Live Concerts

Store

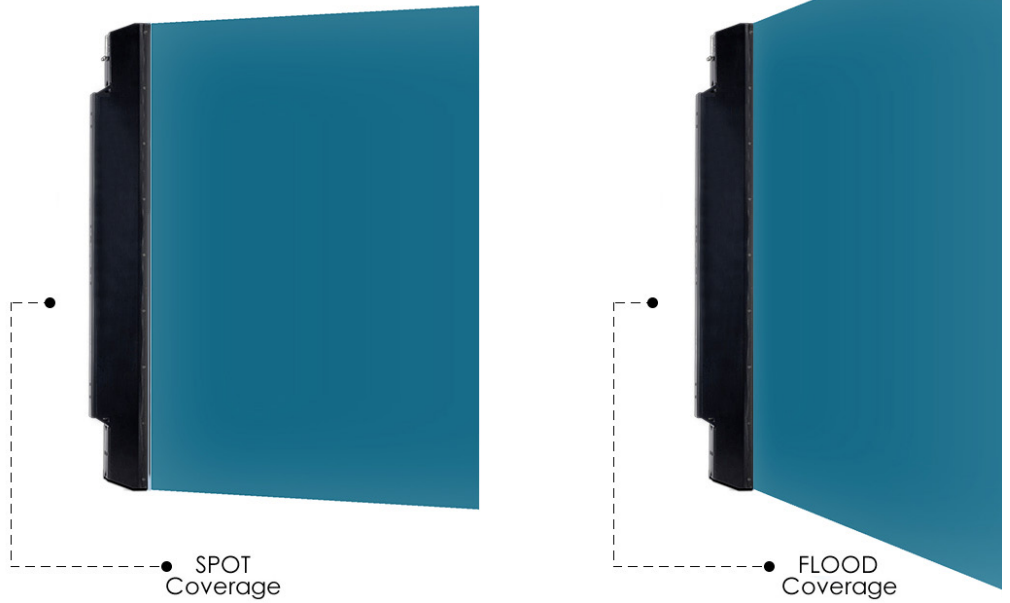
Theatre

Theme Park

## ACCESSORIES

K-BASE2, K-FLY2, KK-CLUSTER0, KK-CLUSTER30, KK-KLUSTER60 K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2, K-KCLAMP/S, K-KCLAMP

The vertical dispersion pattern can be switched for wide or narrow coverage, allowing for a great variety of applications.



### TECHNICAL SPECIFICATIONS

	<b>ACOUSTICS</b>		<b>TRANSDUCERS</b>
Power handling	400 W <sup>(AES)</sup>	Full range	16 x 2" Neodymium magnet with 0.75" voice coil
Frequency range	150 Hz – 20 kHz (-3dB) <sup>(1)</sup>	Impedance	8 Ω / 32 Ω
Impedance	8 Ω / 32 Ω (selectable)	Coverage	Spot / Flood
SPL 1W/1mt	98 dB <sup>(2)</sup>	Connector	2 x 4-pin Speakon
Maximum SPL	124 dB (cont.) – 130 dB (peak) <sup>(3)</sup>	Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
	<b>COVERAGE</b>		<b>RECOMMENDED AMPLIFIERS</b>
Horizontal	110°	Type	KA24, KA84, KMT
Vertical	7° / 35° (selectable)		<b>CERTIFICATIONS</b>
	<b>CROSSOVER</b>	IP	54
Type	External Crossover required		<b>PHYSICAL</b>
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum	Dimensions	5.9 x 100.0 x 8.1 cm (2.3" x 39.4" x 3.2")
		Weight	4.8 kg (10.6 lbs)

Notes for data

1. With dedicated preset;
2. Measured @4 mt then scaled @1 mt;
3. Measured with musical signal

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.

