

# Kobra-KK102I

3D line array element. variable beam speaker



**Kobra-KK102W I**

DATASHEET

Installed Sound Kobra-KK102I

## DESCRIPTION

The K-array Kobra-KK102 I 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 I (1 meter) and the smaller (0.5 meter) KK52 I 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 I allows the user to select two different values of impedance (8Ω – 32Ω). At 32Ω as many as 4 KK102 I speakers can be powered off a single amplifier channel at

8Ω (up to 8 elements at 4Ω). The KK102 I 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 I assures excellent coverage of the entire musical frequency range.

The K-array KA amplifier series have presets optimized for KK102 I use.

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

## COLORS & PREMIUM FINISHES AVAILABLE



Black



White



Custom



Gold



Polished



Brushed

## Pure Array Technology (PAT)

Composed of closely-spaced, full-range sound sources, our line array elements feature Pure Array Technology. With no crossover and no reflex, a perfect phase response is achieved in both the near and far fields, making these columns the perfect solution to cover long distances uniformly. The narrow vertical coverage minimizes the sound spill towards the ceiling and the floor, thus increasing the intelligibility in highly reverberant environments.

## SUGGESTED ACCESSORIES

K-BASE2

K-JOINT2

K-FLY2

K-WALL2

K-FOOT2

K-WALL2L

## FEATURES



Visually  
Discrete



Weather  
Resistant



Lightweight & Compact



Selectable  
Coverage



Selectable  
Impedance



Pure Array  
Technology  
(PAT)

## FREQUENT APPLICATIONS

AUDITORIUMS, EDUCATION & GOVERNMENT

FITNESS & WELLNESS

THEATERS & CONCERT HALLS

STADIUMS & SPORT VENUES

EVENT PRODUCTIONS

CAFES, BISTROS & RESTAURANTS

BROADCAST & STUDIOS

RETAIL

## TECHNICAL SPECIFICATIONS

ACOUSTICS	
Power handling	400 W (AES)
Frequency range	150 Hz – 20 kHz (- 3dB) <sup>(1)</sup>
Impedance	8Ω or 32Ω (selectable)
SPL 1W/1mt	98 dB <sup>(2)</sup>
Maximum SPL	124 dB continuous – 130 dB peak <sup>(3)</sup>
COVERAGE	
Horizontal	110°
Vertical	10°- 35° (selectable)
Crossover	
Type	External Crossover required
Frequency	High pass @150 Hz, 24 dB/oct suggested minimum
TRANSDUCERS	
Full-range	16 x 2" Neodymium magnet with 0.75" voice coil
SELECTION SWITCHES	
Impedance	8Ω - 32Ω
Coverage	Spot - Flood
POWER AUDIO INPUTS	
Connectors	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
RECOMMENDED AMPLIFIERS	
Type	KA24, KA84, KMT
CERTIFICATIONS	
IP	54
EVAC	EN54-24
PHYSICAL OVERVIEW	
Dimensions	5.9 x 100.0 x 8.1 cm (2.93" x 39.37" x 3.18 ") <sup>(4)</sup>
Weight	4.8 Kg (10.6 lb)
Notes for data	
1. With dedicated preset;	
2. Measured @8 m, then scaled @1 m;	
3. Measured with musical signal;	
4. ( W x H x D ).	
New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented here catalogue.	



Kobra-KK102 I+  
Kobra-KK102 I+  
K-BASE2



Kobra-KK102 I+  
K-CLUSTER30

