



Kobra KK102

3D line-array element,
variable beam speaker

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

APPLICATIONS

- Theatre, Club, Churches
- Front fill and under-balcony fill
- Portable and installed AV systems
- Stage and AV studio monitoring

ACCESSORIES

K-BASE2, K-FLY2, KK-CLUSTER2, K-FOOT2, K-JOINT2, KK-STAGE, K-WALL2L, K-WALL2, K-KCLAMP/S, K-KCLAMP

COLORS AVAILABLE

BLACK



WHITE



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 presets 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.

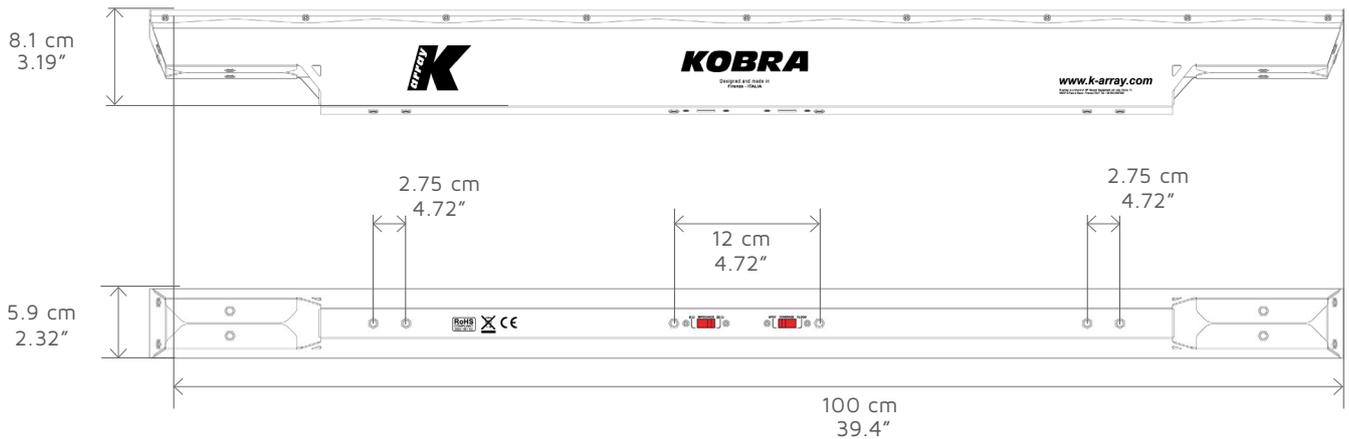


	ACOUSTICS		TRANSDUCERS
Power handling	400 W ^(AES)	Full range	16 x 2" Neodymium magnet with 0.75" voice coil
Frequency range	150 Hz – 20 kHz (- 3dB) ⁽¹⁾	Impedance	8 Ω / 32 Ω
Impedance	8 Ω / 32 Ω (selectable)	Coverage	Spot / Flood
SPL 1W/1mt	98 dB ⁽²⁾	Connector	2 x 4-pin Speakon
Maximum SPL	124 dB (cont.)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

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.



ARCHITECT SPECIFICATIONS

The mid-high passive speaker shall be a slim column featuring one of the best performance-to-size ratio capable to reproduce an SPL of 124 dB in continuous. It shall consist of sixteen 2" long-excursion full range cone drivers with a neodymium magnet assembly mounted in a 100 cm (39.4") array on a sturdy steel cabinet enclosure which shall be all weather resistant and durable and suitable for both outdoor and indoor applications. The speaker shall provide true line array characteristics - phase coherence, low distortion and focused listening in both the near field and at a distance from the speaker. It shall allow settings of two different impedance values, for a higher or lower impedance use (8Ω / 32Ω if possible). The loudspeaker shall only be operated by a compatible amplifier with

dedicated presets loaded onboard. The cones shall be protected only by a rigid metal grill and without any other backing material that could effect the quality and safety. The cabinet of the speaker shall feature a dedicated aluminum bracket or two different threaded anchor points to be installed on a wall or under a ceiling. The speaker shall be able to be integrated with other units of the same model and, when required, with a suitable subwoofer to extend its frequency range for more demanding applications. The connectors shall be hidden behind the speaker's chassis and fitted with two 4-pin Speakon sockets. The loudspeaker shall have a nominal horizontal dispersion angle of 110° and a selectable vertical one of 10° or 60° in

order to make the speaker very versatile and suitable for any kind of applications. The power handling capacity shall be 400 W with a max power of 800 W (peak). The frequency response (+/- 3dB) measured on axis shall be 150 Hz to 20 kHz with a maximum sound pressure of 130 dB (peak). The speaker shall be as invisible as possible and shall be easily integrated in any kind of environments and surfaces. The dimensions (WxHxD) shall not exceed 59 x 1000 x 81mm (2.3" x 39.4" x 3.2") and shall weigh no more than 4.8 kg (10.6 lbs). The loudspeaker shall be the KK102 by K-array surl.

