

Kayman-KY102

Line array element, variable beam speaker



DESCRIPTION

The K-array Kayman-KY102 is a passive speaker system comprised of eight 4" 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 eight 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 KY102 to be joint 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 KY102 allows the user to select two different values of impedance (8Ω - 32Ω). The KY102 is able to reproduce the whole vocal frequency range with high

intelligibility. Integrating one of K-array powered subwoofers (KMT18, KMT21, KMT218), configured with specific presets for the KY102 assures excellent coverage of the entire musical frequency range. The K-array KA amplifier series have presets optimized for KY102 use. All KY102 components are designed by the K-array R&D department and custom-made under the K-array quality control system.

COLORS & PREMIUM FINISHES AVAILABLE



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-FLY2
- K-FOOT2
- K-JOINT2
- K-WALL2
- K-SPK235

FEATURES

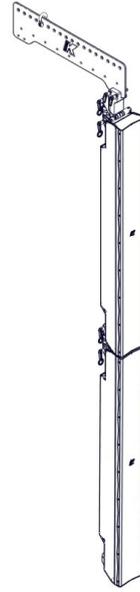
- Visually Discreet
- Weather Resistant
- Lightweight & Compact
- Selectable Coverage
- Selectable Impedance
- Pure Array Technology (PAT)

FREQUENT APPLICATIONS

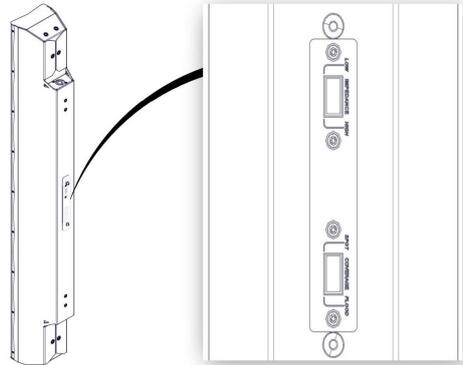
- AUDITORIUMS, EDUCATION & GOVERNMENT
- LARGE CONGREGATIONS
- THEATERS & CONCERT HALLS
- STADIUMS & SPORT VENUES
- TOURING, FESTIVALS, CONCERTS & LIVE
- BROADCAST & STUDIOS
- THEME PARKS
- NIGHTCLUBS

TECHNICAL SPECIFICATIONS

ACOUSTICS	
Power handling	1200 W
Max Power	1800 W
Frequency range	110 Hz – 20 kHz (- 3dB) ⁽¹⁾
Impedance	8Ω or 32Ω (selectable)
SPL 1W/1mt	102 dB ⁽²⁾
Maximum SPL	132 dB continuous - 138 dB peak ⁽³⁾
COVERAGE	
Horizontal	90°
Vertical	7° - 30° (selectable)
CROSSOVER	
Type	External Crossover required
Frequency	90 Hz, 24 dB/oct suggested minimum
TRANSDUCERS	
Full-range	8 x 4" Neodymium magnet with 1.5" 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	KA84, KMT
CERTIFICATIONS	
IP	54
PHYSICAL OVERVIEW	
Dimensions	11.6 x 100.0 x 13.4 cm (4.56" x 39.37" x 5.27") ⁽⁴⁾
Weight	14.9 Kg (32.8 lb)
<p>Notes for data</p> <ol style="list-style-type: none"> With dedicated preset; Measured @8 m, then scaled @1 m; Measured with musical signal; (W x H x D). <p>New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented here catalogue.</p>	



Kayman-KP102+
K-FLY2



Kayman-KY102
Spot & Flot

