

KY102

Line array element, variable beam speaker



KY102W

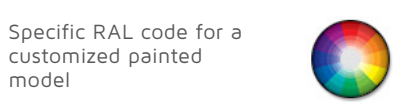
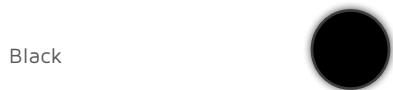


KY102

FEATURES

- Unique performance-to-size ratio
- Vertical, Horizontal line-array applications
- Multiple 4" long-excursion full-range cone drivers
- Wide horizontal coverage
- Electronically protected
- Selectable 8 Ohm or 32 Ohm impedance
- Selectable vertical pattern (Spot - Flood)
- Weather proof, suitable for outdoor installations- IP54

COLORS AVAILABLE



DESCRIPTION

The K-array 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, starting from 90 Hz. 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 pre-sets 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.

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, K-FOOT2,
- K-JOINT2, KY-STAGE, K-WALL2, K-KCLAMP/S,
- K-KCLAMP, K-SPK235, KWIRE15, K-WIRE2

TECHNICAL SPECIFICATIONS

	ACOUSTICS
Power handling	1200 W
Max power	1800 W
Frequency range	90 Hz – 20 kHz (- 3dB) ⁽¹⁾
Impedance	8 Ω / 32 Ω (selectable)
SPL 1W/1mt	102 dB ⁽²⁾
Maximum SPL	132 dB (cont.) – 138 dB (peak) ⁽³⁾
	COVERAGE
Horizontal	90°
Vertical	7° / 30° (selectable)
	CROSSOVER
Type	External Crossover required
Frequency	High pass @ 90 Hz, 24 dB/oct suggested minimum
	TRANSDUCERS
Full range	8 x 4" Neodymium magnet cone drivers with 1.5" voice coil
	SELECTION SWITCH
Impedance	8 Ω / 32 Ω
Coverage	Spot / Flood
	POWER AUDIO INPUT/OUTPUT
Connector	2 x 4-pin Speakon
Wiring	1+ 1- (signal IN & LINK); 2+ 2- (through)
	RECOMMENDED AMPLIFIERS
Type	KA84, KMT
	CERTIFICATION
IP	54
	PHYSICAL
Dimensions	11.6 x 100.0 x 13.4 cm (4.6" x 39.4" x 5.3")
Weight	14.9 kg (32.8 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.

