

KP102 I

3D line array element, selectable beam speaker



DESCRIPTION

The K-array Python-KP102 I is a passive speaker system comprised of twelve 3.15" 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 twelve 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 KP52 I (0.5 meter) and the larger (1 meter) KP102 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 KP102 I allows the user to select two different values of impedance (4Ω – 16Ω). At 16Ω as many as 4 KP102 I speakers can be powered off a single amplifier channel at 4 Ω (up to 2 units

@ 8Ω). The KP102 I is able to reproduce the whole vocal frequency range with high intelligibility, starting from 120 Hz. Integrating one of the K-array powered subwoofers (KMT12, KMT18, KMT21, KMT218), configured with specific presets for the KP102 I assures excellent coverage of the entire musical frequency range. The K-array KA amplifier series have presets optimized for KP102 I. All KP102 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

FREQUENT APPLICATIONS

AUDITORIUMS, EDUCATION & GOVERNMENT

FITNESS & WELLNESS

THEATERS & CONCERT HALLS

STADIUMS & SPORT VENUES

HOUSES OF WORSHIP

EVENT PRODUCTIONS

TOURING, FESTIVALS, CONCERTS & LIVE

THEME PARKS

FEATURES



Visually
Discrete



Weather
Resistant



Lightweight
& Compact



Selectable
Coverage



Selectable
Impedance



Pure Array
Technology
(PAT)

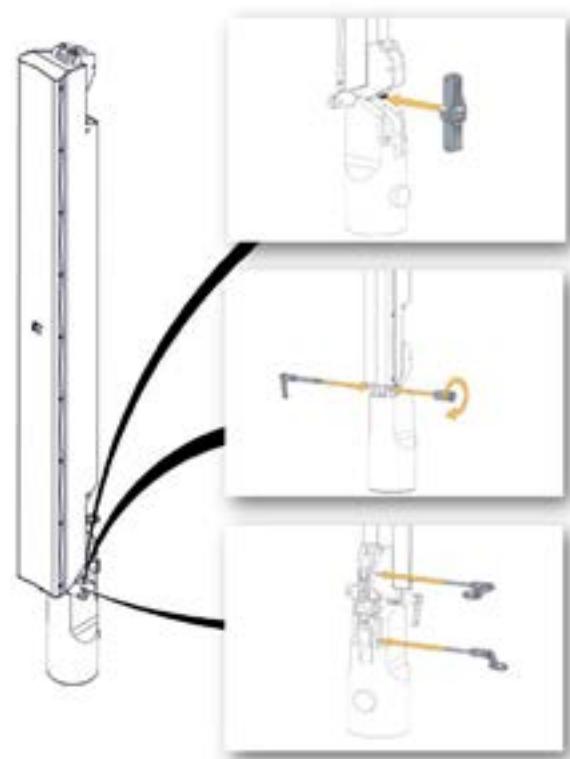
TECHNICAL SPECIFICATIONS

ACOUSTICS	
Power handling	720 W (AES)
Max Power	1200 W
Frequency range	120 Hz – 20 kHz (- 10dB) ⁽¹⁾
Impedance	4Ω or 16Ω (selectable)
SPL 1W/1mt	99 dB ⁽²⁾
Maximum SPL	128 dB continuous – 134 dB peak ⁽³⁾
COVERAGE	
Horizontal	90°
Vertical	7°– 30° (selectable)
Crossover	
Type	External Crossover required
Frequency	120 Hz, 24 dB/oct suggested minimum
TRANSDUCERS	
Full-range	12 x 3.15" Neodymium magnet with 1" voice coil
SELECTION SWITCHES	
Impedance	4Ω – 16Ω
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
EVAC	EN54-24
PHYSICAL OVERVIEW	
Dimensions	8.9 x 100.0 x 11.8 cm (3.50" x 39.37" x 4.64 ") ⁽⁴⁾
Weight	12.0 Kg (26.45 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.



Python-KP102 I+
K-JOINT2+
K-FOOT2

