

KH15

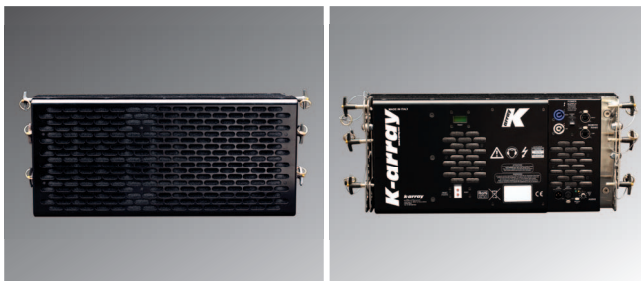
High technology self-powered PA System and line array element

Features:

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Wide horizontal coverage
- Very flat profile
- Integrated flying hardware
- Top quality components for outstanding performance
- Ultra-fast set-up and dismantling system
- For use in single, point-source applications, in vertical line arrays or in combination with other K-array systems

Applications:

- Medium scale events
- Front fill touring sound reinforcement
- Stadiums, theatres, concert halls, conferences
- Installations in low-load capacity situations



The K-array KH15 is a self-powered, 2-way line array design speaker system. Its ultra-compact aluminum and wood enclosure has an incredible reserve of power that ensures very high sound pressure with wide, consistent (120°) horizontal coverage.

The KH15 is best suited for medium throw applications in theatres, concert halls, churches and for corporate AV events. The KH15 low profile box makes it ideal for concert front fill and delay position applications. It easily integrates with other K-array products such as the KH4 and KS4 large format line array elements as a curvilinear down fill array. Bass response and output capability can be extended with the incorporation of the KL12ma or KL18ma powered bass cabinets.



The KH15 uses two 8-inch cone drivers with 3" voice coils for low-mid frequencies, powered by two power amplifier channels. The mid-high frequency section uses two 1.75" voice coil compression drivers on 1"x4" constant directivity waveguides. The drivers are integrated in the box with a fixed vertical angle of 15°. The flying points provide different degrees to allow installation in curvilinear line arrays. An internal DSP module provides control presets. Dedicated remote control software allows for control of the speaker from a PC.

All the KH15 components are designed by the K-array R&D department and custom made under the K-array quality control system.

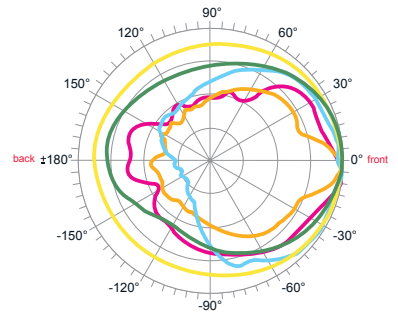
www.k-array.com

HP Sound Equipment s.r.l. Viale Roma 7/i - 50037 - San Piero a Sieve (FI), Italy
tel. +39 055 8487222 - fax. +39 055 8487238 - e-mail: info@k-array.com

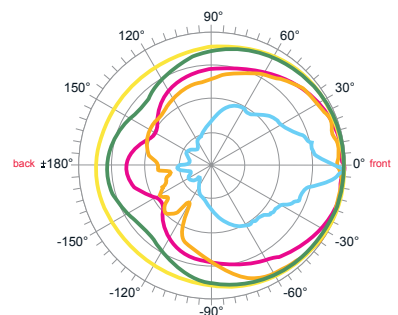
KH15	
Acoustics	
Speakers power handling	1500 W + 160 W (AES)
Max power	1500 W + 160 W ¹
Frequency range	70 Hz - 20 KHz
Impedance	500 Hz 8 KHz 4 KHz 1 KHz 250 Hz
SPL 1W/1mt	99 dB (low) 113 dB (high) ²
Maximum SPL	130 dB continuous - 136 peak
Coverage	
Horizontal	120°
Vertical	15°
Cross over	
Type	DSP controlled
Frequency	1.2 KHz
Transducers	
Low - Mid frequency	2 x 8" Neodymium speakers with 3" voice coil
High frequency	2 x 1" Neodymium planar wave drivers with 1.75" voice coil
Audio Input	
Connectors	male + female parallel 3-pin balanced XLR
Wiring	Pin1 = ground / Pin2 = hot (+) / Pin3 = cold (-)
Remote control Input	
Connectors	2 x female 8-pin RJ45
Power Input	
Connectors	2 x PowerCon IN/OUT
Amplifiers	
Type	1 modules class D - DSP controlled
Power	750 W x 2 channels @ 4 Ω ³
Protection	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	210 - 240 Vac 50Hz (default) 100 - 120 Vac 60Hz (selectable)
I.nom	3,6 (115Vac) / 2,2 (230Vac)
Consumption	270 VA (1/8 max out power @ 8 Ω bridged)
Minimum operation voltage	95 Vac - 195 Vac
Maximum operation voltage	125 Vac - 250 Vac
Max continuous and burst current	Default 12A(>10 sec) - 24A (<1 sec) Selectable 20A(>10 sec) - 40A (<1sec)
Physical	
Dimensions	max 62.7 x 25.3 x 16 cm (24.68" x 9.96" x 6.3")
Weight	15.4 Kg (33.95 lbs)
Notes for data 1. Maximum RMS applicable power for a musical signal, the reference signal is the one proposed by EIAJ standard. 2. Measured @4 mt then scaled @1 mt 3. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance. New materials and design are introduced into existing products without previous notice. Present systems may differ in some respects from those presented in this brochure.	

DISPERSION GRAPHS

- 8 KHz
- 4 KHz
- 1 KHz
- 500 Hz
- 250 Hz



horizontal



vertical

Accessories:

- **K-CASE3: Flight-Case for K modules** (3pcs of KH4/KS4 or 2pcs of KS4/KH4 + 4pcs KH15)
- **K-CASE2: Flight-Case for K modules** (2pcs of KH4/KS4 or 1pcs of KS4/KH4 + 4pcs KH15)
- **K-CASE1: Flight-Case for K modules** (1pcs of KH4/KS4 or 4pcs KH15)
- **K-FLY15: Flying bar for flown applications**
- **K-FLY4/15: Flying bar for fitting KH15 units under KH4/KS4 cluster**