

KN6

High technology self-powered point/line source speaker

Features:

- Unique performance-to-size ratio
- Self powered
- Integrated DSP
- Flat amplitude and phase response
- Selectable point/line source emission
- Integrated 35mm pole adapter
- Ultra strong stainless steel enclosure
- For stand-alone use or as line array element

Applications:

- Theatrical sound reinforcement
- Concert halls, clubs, houses of worship
- Installed audio-visual systems
- Cinema surround sound and effects
- Compact voice reinforcement



The KN6 is a stainless steel, self-powered, 2-way full range speaker system. It is compact and powerful with five individual D class amplifier channels dedicated to each of its five transducer elements. It has a wide 130° vertical coverage pattern and the ability to select the horizontal coverage from 10° to 130°, making it useable as both a point source and as a line array element.

It is ideal for medium throw applications in theatres, concert halls, houses of worship and AV installations. The KN6 uses two 6" Neodymium cone speakers with 2.5" voice coils

for low-mid frequencies. The mid-high frequency section employs three 1" voice coil Neodymium compression drivers. The transducers are optimized with on-board DSP pre-sets. The KN6 is designed to easily integrate with KN10s self-powered subwoofer.

Dedicated remote control software allows for control of the speaker system from a PC. All KN6 components are designed by the K-array R&D department and custom made under the K-array quality control system.

www.k-array.com

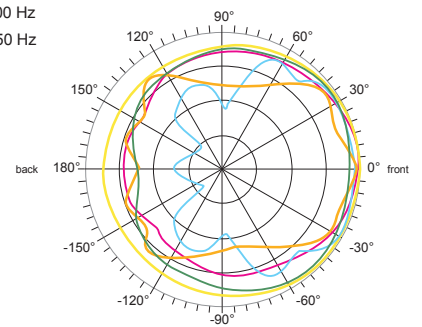
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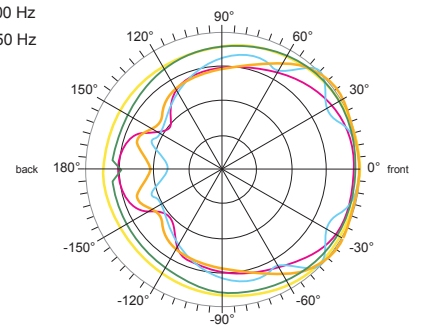
KN6	
Acoustics	
Power handling	2x250 + 3x20 w ^(AES)
Maximum amplifier power	2x500 + 3x40 w ^(EIAJ)
Impedance	2x4Ω + 3x16Ω
Operating frequency range	45Hz - 19 KHz +/- 3dB (preset dependent)
SPL 1W/1mt	96 dB (low) 104 dB (high)
Maximum SPL	125dB continuous - 131 dB peak
Coverage (in vertical position)	
Horizontal	selectable from 10° to 130°
Vertical	130°
Crossover	
Type	DSP controlled
Frequency	1.8 KHz minimum (preset dependent)
Transducers	
Low - Mid frequency	2 x 6" Neodymium speakers with 2.5" voice coil
High frequency	3 x 0.5" Neodymium compression driver with 1" voice coil
Audio Input	
Connectors	male + female parallel 3-pin balanced XLR
Wiring	PIN1= ground PIN2 = hot (+) PIN3 = cold (-)
Power Input	
Connectors	1 x PowerCon
Amplifiers	
Type	2 modules class D - DSP controlled
Power (woofer)	350 + 350 Watt ¹
Power (driver)	3 x 40 Watt ¹
Protection	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	85 - 270 Vac 50/60Hz autorange
Max continuous and burst current	140VA(>10 sec) - 700VA (<1 sec) autorange
Physical	
Dimensions	19 x 50.5 x 17.5 cm (7.48"x 19.88"x 6.89")
Weight	9 Kg (19.84 lbs)
<p><i>Notes for data</i></p> <p>1. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance .</p> <p>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.</p>	

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



horizontal

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



vertical