

**K SKIN****KN6****High technology self-powered point/line source speaker****Features:**

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

**Applications:**

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

The KN6 is a self-powered 2 way fullrange speaker. In its ultra-compact sizes it has an incredible reserve of power that ensures very high pressure on a selectable horizontal coverage, maintaining the sound quality constant. The KN6 is ideal for installed medium throw applications, like theaters, concert halls, churches. The KN6 is designed to easily integrate with KN10S self powered subwoofer, using the integrated connection hardware.

The KN6 uses two 6" inches cone drivers for low-mid frequencies with 2.5" voice coil, powered by two power amplifier channels. The mid-high frequencies section uses three 1" voice coil compression drivers. The drivers settings allows different coverage patterns for point source use or line array element use.

The transducers of KN6 are driven by an internal DSP module, a dedicated remote control software allows to control the speaker from PC.

All the KN6 components are designed by **K-array** R&D department and custom made under **K-array control quality system**.

**Technical Details**

Acoustics	
Power handling	2x250 + 3x20 w <sup>1</sup>
Max power	2x500 + 3x40 w <sup>2</sup>
Impedance	2x4Ω + 3x16Ω
Operating frequency range	45Hz - 19 KHz +/- 3dB (preset relating) <sup>3</sup>
Frequency range	65Hz - 19 KHz +/- 3dB (preset relating) <sup>4</sup>
SPL 1W/1mt	96 dB (low) 104 dB (high) <sup>5</sup>
Maximum SPL	125dB continuous - 131 dB peak <sup>6</sup>
Coverage (standing)	
Horizontal	selectable from 10° to 130°
Vertical	130°
Cross over	
Type	DSP controlled preset relating
Frequency	1.8 KHz minimum (preset relating) <sup>7</sup>
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 poles balanced XLR
Wiring	Pin1 = ground / Pin2 = hot / Pin3 = cold
Remote control Input	
Connectors	1 x female 8 poles RJ45
Power Input	
Connectors	1 x PowerCon
Amplifiers	
Type	2 modules class D - DSP controlled
Power (woofer)	350 + 350 Watt <sup>8</sup>
Power (driver)	3 x 40 Watt <sup>8</sup>
Protections	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	Standard 85 - 270 Vac 50/60Hz
Max continuous and burst current	140VA(>10 sec) - 700VA(<1 sec)
Physical	
Measures	50.5 x 19 x 17.5 cm
Weight	9 Kg

**Notes for data**

1. Power handling is measured following AES standard conditions: transducers driven continuously for two hours with a band-limited noise signal having 6 dB of crest factor.
2. Max power is the maximum RMS applicable power for a musical signal, the referement signal is the one proposed by EIAJ standard.
3. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
4. Free field measured with 1/3 octave frequency resolution at 2 mt.
5. Measured@4 mt then scaled@1 mt.
6. Measured with audio source @1 mt.
7. This is the frequency in which the transducers produce the same sound pressure level (measured@2 mt).
8. Amplifier wattage rating is based on the maximum unclipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.

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