

**K**SKIN**KN10S**

High technology self-powered steel Skin subwoofer

**Features:**

- K** Unique performance-to-size ratio
- K** Self powered
- K** Integrated DSP and remote control
- K** Direct radiating, long excursion 10" drivers
- K** Integrated connection hardware
- K** Ultra strong steel Skin
- K** For use in stand alone or mounted in cluster

**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 KN10S is an high performance powered sub-bass system designed for use with small to medium wavefront systems, in both touring and install applications. In its ultra compact and strong chassis it has an incredible reserve of power, maintaining the sound quality constant.

It features two 250 watt 10" drive units with magnet structure and suspension engineered for maximum linear excursion.

The ultra-strong reflex cabinet includes the hardware for connections with KN6 Skin satellites. It features large area porting to reduce air noise.

The KN10S is ideal for medium throw applications, like theaters, concert halls, AV installations.

All the KN10S components are designed by **K-array** R&D department and custom made under **K-array** control quality system.

**Technical Details**

Acoustics	
Power handling	2 x 250 w <sup>1</sup>
Max power	2 x 500 w <sup>2</sup>
Impedance	2 x 4Ω
Operating frequency range	30Hz - 150 Hz +/- 3dB (preset relating) <sup>3</sup>
Frequency range	40Hz - 150 Hz +/- 3dB (preset relating) <sup>4</sup>
SPL 1W/1mt	95 dB <sup>5</sup>
Maximum SPL	124dB continuous - 130 dB peak <sup>6</sup>
Coverage (standing)	
Horizontal	Omni
Vertical	Omni
Cross over	
Type	DSP controlled preset relating
Frequency	150 Hz minimum (preset relating) <sup>7</sup>
Transducers	
Low frequency	2 x 10" Neodymium speakers with 2" 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	1 module class D - DSP controlled
Power	350 + 350 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 33.5 x 28 cm
Weight	17 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 referent 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.