

KN10S

High technology self-powered steel
Skin subwoofer

Features:

- Unique performance-to-size ratio
- Self-powered
- Integrated DSP
- Direct radiating, long excursion 10" drivers
- Integrated connection hardware
- Ultra strong steel shell

Applications:

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



The KN10s is a high performance self-powered sub-bass speaker designed for use with the K-array KN6 and other small to medium format speaker systems in both touring and installation applications.

The compact and strong stainless steel chassis contains two 250 watt 10" transducers with Neodymium magnet structures and suspensions engineered for maximum linear excursion,



DATASHEET



each powered by a dedicated D class amplifier. Large area porting eliminates turbulent air noise. The KN10s is ideal for medium throw applications in theaters, concert halls and AV installations. All KN10s components are designed by the K-array R&D department and custom made under K-array quality control systems.

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

KN10S	
Acoustics	
Speakers Power handling	2 x 250 w ^(AES)
Maximum amplifier power	2 x 500 w ¹
Impedance	2 x 4 Ω
Frequency range	30Hz - 150 Hz +/- 3dB
SPL 1W/1mt	95 dB ²
Maximum SPL	124dB continuous - 130 dB peak
Coverage	
Horizontal	Omni
Vertical	Omni
Crossover	
Type	DSP controlled
Frequency	100 Hz minimum (preset dependent)
Transducers	
Low frequency	2 x 10" Neodymium speakers with 2" voice coil
Audio Input	
Connectors	male + female parallel 3-pin balanced XLR
Wiring	PIN1= ground PIN2 = hot PIN3 = cold
Power Audio Output	
Connectors	-
Remote control Input	
Connectors	-
Power Input	
Connector	2 x 3-pin PowerCon IN/OUT
Amplifiers	
Type	2 x 350W @4Ω class D amplifier channel - DSP controlled
Power (woofer)	350 + 350 Watt ³
Protection	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	85 - 270 Vac 50/60Hz autorange
P. nom	140 VA
Power Factory (1/2 max out/8Ω)	0.97
Minimum operation voltage	70 V _{AC}
Maximum operation voltage	265 V _{AC}
Max continuous and burst current	140VA(>10 sec) - 700VA (<1 sec) autorange
Physical	
Dimensions	51.1 x 28 x 28 cm (19.88"x 13.19"x 33.6")
Weight	18.8 Kg (41.45 lbs)
<p>Notes for data</p> <ol style="list-style-type: none"> Maximum RMS applicable power for a musical signal, the reference signal is the one proposed by EIAJ standard. Measured @4 mt then scaled @1 mt 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>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>	