

KS4

High technology self-powered dipole high performances subwoofer

Features:

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- 'Figure-8' horizontal and vertical coverage
- Very flat profile
- Integrated flying and stacking 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:

- Large scale events
- Touring sound reinforcement
- Stadiums, arenas, concert halls, theatres
- Installations in low-load capacity situations



The KS4 is a self-powered dipole high performances subwoofer. At just over 37Kg (80 Lbs) and 16cm (6") depth its ultra-compact aluminum enclosure has an incredible reserve of power that ensures very high sound pressure with wide, consistent (1200) horizontal and vertical coverage. Its unique dipole 'figure-8' coverage pattern eliminates bass from coming off the side of the cabinets. This provides for a very controlled and quiet onstage sound, particularly in flown configurations. The KS4 is best suited for medium to long throw applications in theatres, concert halls, churches and for corporate AV events. The KS4 easily integrates with other K-Array products such as the KH4 large format line array element or KH15 satellites. Bass response and output capability can be extended with the incorporation of the KO70 or KO40 powered sub bass cabinets.

The KS4 uses eight 10-inch high excursion cone drivers with 2" voice coils, powered by eight power amplifier channels. The woofers are mounted in a chassis that ensures high rigidity and resistance to vibrations. The integrated hardware system allows it to array with other KS4s to cover very big open-air venues.

An internal DSP module provides control presets. Dedicated remote control software allows for control of the speaker from a PC.

All the KS4 components are designed by K-array R&D department and custom made under the K-array quality control system

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DATASHEET

KS4	
Acoustics	
Speakers power handling	4000 W ^(AES)
Maximum power	6000 w ¹
Impedance	8 x 4Ω
Frequency range	30 Hz - 150 KHz
SPL 1W/1mt	103 dB ²
Maximum SPL	132 dB continuous - 138 dB peak <small>(measured with 6 units, related to 1)</small>
Coverage	
Horizontal	dipole 120°
Vertical	dipole 120°
Crossover	
Type	DSP controlled
Frequency	low pass @150 Hz
Transducers	
8 x 10" High excursion neodymium speakers with 2" 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	4 modules class D - DSP controlled
Power	500 watts x 8 channels at 4 ohms (4000 watt total) 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	7.2 A / 115 Vac - 4.4 A / 230 Vac
Minimum operation voltage	95 - 195 Vac
Maximum operation voltage	125 - 250 Vac
Max continuous and burst current	Default 12A(>10 sec) - 24A (<1 sec) Selectable 20A(>10 sec) - 40A (<1sec)
Physical	
Dimensions	max 117 x 60 x 16.5 cm (46.34" x 23.62" x 6.50")
Weight	46.8 Kg (103.18 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.	

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-FEET:** Feet Kit for ground stacking applications
- **K-FLY4:** Flying bar for flown applications
- **K-FLY4/15:** Flying bar for fitting KH15 units under KH4/KS4 cluster