

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

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

array
K

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