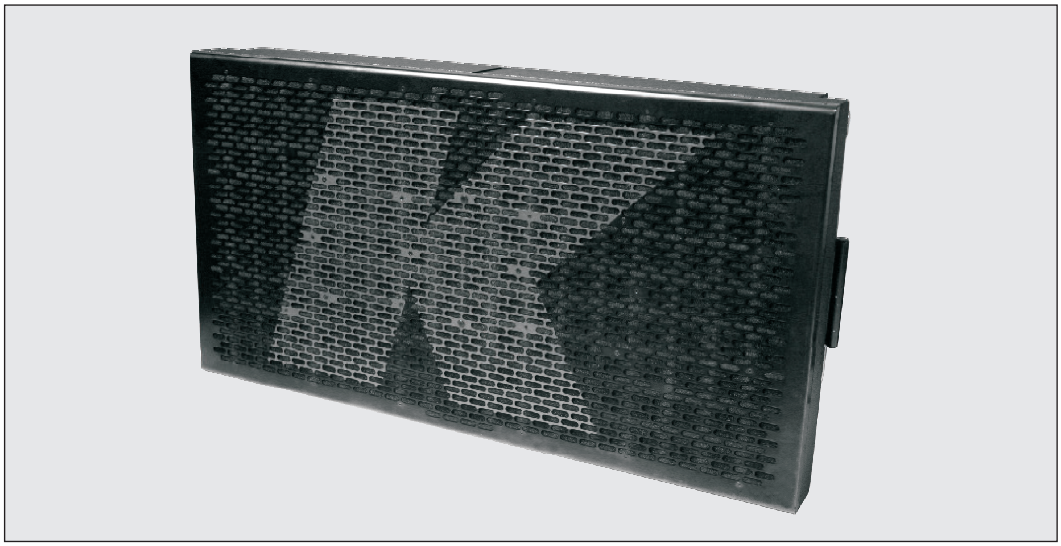
KS4

High technology self-powered "8 figure" flat subwoofer

Features:

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- "8" figure horizontal e vertical coverage
- Very flat profile
- Integrated flying and stacking hardware
- Top quality components for outstanding performances
- Ultra fast set-up and dismantling system
- For use in stand alone arrays or in combination with other ***K-array*** systems



Technical Details

Acoustics	
Power handling	4000 w[1]
Max power	6000 w[2]
Impedance	8 x 4 Ω
Operating frequency range	45 Hz - 120 Hz +/- 3dB (preset relating)[3]
Frequency range	30 HZ - 150 Hz +/- 3dB (preset relating)[4]
SPL 1W/1mt	103 dB[5]
Maximum SPL	132 dB continuos - 138 dB peak[6] (measured with 6 units, related to 1)
Coverage	
Horizontal	120°
Vertical	120°
Cross over	
Type	DSP controlled preset relating
Frequency	150 Hz max suggested (preset relating)[7]
Transducers	
Low - Mid frequency	8 x 10" High excursion 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	2 x female 8 poles RJ45
Power Input	
Connectors	2 x PowerCon IN/OUT
Amplifiers	
Type	4 modules class D - DSP controlled
Power	500 watts x 8 channels on 4 ohm (4000 watt total)[8]
Protections	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	Standard 210 - 240 Vac 50Hz (standard) *Optional 100 - 120 Vac 60Hz (optional)*
Max continuos and burst current	Standard 12A(>10 sec) - 24A (<1 sec) *Optional 20A(>10 sec) - 40A (<1sec)*
Physical	
Measures	112 x 60 x 16 cm
Weight	37 Kg

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. It as an incredible reserve of power that ensures very high pressures maintaining the sound quality constant. The ***KS4*** is ideal for big live applications, especially on touring P.A. systems, it is only 16cm flat and 37Kg of weight, these allows for its use in more compact spaces. The ***KS4*** is designed to easily integrate with others ***K-array*** products, for example with ***KH4*** or ***KH15*** satellites.

The ***KS4*** use eight 10" inches high excursion cone drivers for low frequencies with 2" voice coil, powered by eight power amplifier channels. The woofers are mounted in a box that ensures high rigidity and resistance to vibrations. The integrated hardware system allows to array it with others ***KS4*** to cover very big open air venues.

The transducers of ***KS4*** are driven by an internal DSP module, a dedicated remote control software allows to control the speaker from PC.

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

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 .

HP Sound Equipment s.r.l. - www.k-array.com
Viale Roma 7/i 50037 San Piero a Sieve (Firenze) Italy - tel +39 055 8487222 fax +39 055 8487238 e-mail: info@k-array.com