

overbass KO3

High technology self-powered 2x18" high-power subwoofer

Features:

- M Unique performance-to-size ratio
- Self powered
- M Integrated DSP and remote control
- Incredible output power to cover even the largest venues
- M Top quality components for outstanding performances
- K Efficient, high power and high-excursion cone drivers
- For use in stand alone or in combination with other K-array systems

Applications:

- K Large scale events
- Touring sound reinforcement
- K Stadiums, arenas, large theatres
- M Installations in large disco situations

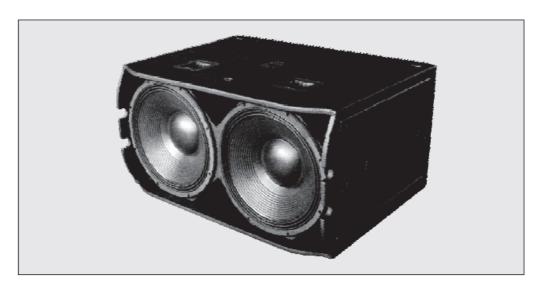
The Ko30 is a self-powered high output subwoofer. It has an incredible reserve of power that ensures very high pressure maintaining the sound quality constant. The Ko30 is ideal for medium and big live applications, especially on touring P.A. systems. The Ko30 is designed to easily integrate with others K-array products, for example with KH4 or KH15 line array satellites.

The Ko30 can be used also with K54, to make a very directional high power subwoofer.

The Ko30 uses two 18" inches very high excursion cone drivers for very low frequencies with 4" voice coil, powered by two power amplifier channels, each one of 1500 watt RMS. The woofers are mounted in a box that ensures high rigidity and resistance to vibrations.

The transducers of Ko30 are driven by an internal DSP module, a dedicated remote control software allows to control the speaker from PC.

All the Ko30 components are designed by Karray R&D department and custom made under K-array control quality system.



Technical Details

| Weight | 50 Kg |
|---|---|
| Physical Measures | 115 x 60 x 85 cm |
| AC power Operating range Max continues and burst current | Standard 210 - 240 Vac 50Hz (standard) Optional 100 - 120 Vac 60Hz (optional) Standard 12A(>10 sec) - 24A (<1 sec) Optional 20A(>10 sec) - 40A (<1 sec) |
| Amplifiers Type Power Protections | 2 modules class D - DSP controlled 1500 watts x 2 channels on 8 ohm (3000 watt total) ^a Dynamic limiter, over current, over temp, short circuits |
| Power Input Connectors | 2 x PowerCon IN/OUT |
| Remote control Input Connectors | 2 x female 8 poles RJ45 |
| Audio Input Connectors Wiring | male + female parallel 3 poles balanced XLR Pin1 = ground / Pin2 = hot / Pin3 = cold |
| Transducers Low - Mid frequency | 2 x 18" High excursion neodymium speakers with 4" voice coil |
| Cross over Type Frequency | DSP controlled preset relating 150 Hz max suggested (preset relating) ⁷ |
| Coverage Horizontal Vertical | omni-array dependent omni-array dependent |
| Acoustics Power handling Max power Impedance Operating frequency range Frequency range SPL 1W/1mt Maximum SPL | 2000 w ¹ 3000 w ² 2 x 8 Ω 40 Hz - 120 Hz +/- 3dB (preset relating) ³ 30 Hz - 150 Hz +/- 3dB (preset relating) ⁴ 101 dB ⁵ 133 dB continuos - 139 dB peak ⁶ |

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
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- 4. Free field measured with 1/3 octave frequency resolution at 2 mt.
- 5. Measured@4 mt then scaled@1 mt
- Measured with audio source @1 mt.
 This is the frequency in which the transducers produce the same sound pressure level (measured@2 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.

