



# Overbass **Ko70**

High technology self-powered 2x21" high-power subwoofer

## Features:

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



## Applications:

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

The **Ko70** 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 **Ko70** is ideal for medium and big live applications, especially on touring P.A. systems. The **Ko70** is designed to easily integrate with others **K-array** products, for example with **KH4** or **KH15** line array satellites.

The **Ko70** can be used also with **KS4**, to make a verydirectional high power subwoofer.

The **Ko70** uses two 21" inches very high excursion cone drivers for very low frequencies with 6" voicecoil, powered by two power amplifier channels, each one of 3500 watt RMS. The woofers are mounted in a box that ensures high rigidity and resistance to vibrations.

The transducers of **Ko70** are driven by an internal DSP module, a dedicated remote control software allows to control the speaker from PC.

All the **Ko70** components are designed by **K-array** R&D department and custom made under **K-array control quality system**.

## Technical Details

Acoustics	
Power handling	3000 w <sup>1</sup>
Max power	8000 w <sup>2</sup>
Impedance	2 x 8 Ω
Operating frequency range	30 Hz - 120 Hz +/- 3dB (preset relating) <sup>3</sup>
Frequency range	20 Hz - 150 Hz +/- 3dB (preset relating) <sup>4</sup>
SPL 1W/1mt	99.5 dB <sup>5</sup>
Maximum SPL	136 dB continuous - 140 dB peak <sup>6</sup>
Coverage	
Horizontal	omni-array dependent
Vertical	omni-array dependent
Cross over	
Type	DSP controlled preset relating
Frequency	150 Hz max suggested (preset relating) <sup>7</sup>
Transducers	
Low - Mid frequency	2 x 21" High excursion neodymium speakers with 6" 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	2 modules class D - DSP controlled
Power	3500 watts x 2 channels on 8 ohm (7000 watt total) <sup>8</sup>
Protections	Dynamic limiter, over current, over temp, short circuits
AC power	
Operating range	Standard 100 - 240 Vac 50-60Hz (auto-range)
Max continuous and burst current	Standard 16A(>10 sec) - 32A (<1 sec)
Physical	
Measures	115 x 60 x 85 cm
Weight	78 Kg

### 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 undipped burst sine wave RMS voltage that the amplifier will produce into the nominal load impedance.