

# Ko40

High technology self-powered  
Sub Bass element

## Features:

- Unique performance-to-size ratio
- Self powered
- Integrated DSP and remote control
- Very flat profile
- Integrated flying and stacking hardware
- Top quality components for outstanding performance
- For use in combination with other K-array systems

## Applications:

- Medium and large scale events
- Touring sound reinforcement
- Stadiums, arenas, concert halls, theatres



## DATASHEET



The K-array KO40 and KO70 are self-powered, Sub Bass speaker systems.

They are best suited for high-power extended bass response applications in arenas, theatres, concert halls, churches, and outdoor events.

The 21" speakers employ neodymium magnets and 6" voice coils driven by powerful D-class amplifiers. The large ports are designed to be fully symmetrical to the speakers, which means the back loading on the drivers is consistent and even with no port air turbulence. The triangle port construction also provides excellent structural integrity and strength, effectively eliminating any box resonance.

The KO40 and KO70 are an effective companion sub to the KH4 and KH15 powered mid-high speaker systems.

When used with the KS4 bass element the combination becomes a very effective, directional bass system with a prodigious output.

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

All the KO40 and KO70 components are designed by the K-array R&D department and custom made under the K-array quality control system.

[www.k-array.com](http://www.k-array.com)

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<b>Ko40</b>	
<b>Acoustics</b>	
Speakers power handling	2000 W <sup>(AES)</sup>
Max power	4000 w <sup>1</sup>
Impedance	8 Ω
Frequency range	25 Hz - 150 Hz
SPL 1W/1mt	96.5 dB <sup>2</sup>
Maximum SPL	136 dB continuous - 140 dB peak
<b>Coverage</b>	
	Omni
<b>Cross over</b>	
Type	DSP controlled
Frequency	150 Hz suggested (DSP dependent)
<b>Transducers</b>	
	1 x 21" Neodymium speakers with 6" voice coil
<b>Audio Input</b>	
Connectors	1 X male + 1 X female parallel 3-pin balanced XLR
Wiring	Pin1 = ground / Pin2 = hot (+) / Pin3 = cold (-)
<b>Remote control Input</b>	
Connectors	2 x female 8-pin RJ45
<b>Power Input</b>	
Connectors	2 x PowerCon IN/OUT
<b>Amplifiers</b>	
Type	Class D - DSP controlled
Power	4000 W @ 8 Ω <sup>3</sup>
Protection	Dynamic limiter, over current, over temp, short circuits
<b>AC power</b>	
Operating range	85-270 Vac 50-60 Hz with PFC (auto range)
P. nom	900 VA
Power factory (1/2 max out/8Ω)	0.90
Minimum operation voltage	70 Vac
Maximum operation voltage	400 Vac
<b>Physical</b>	
Dimensions	60 x 60 x 85 cm (23.62" x 23.62" x 33.46")
Weight	42 Kg (171.96 lbs)
<p>Notes for data</p> <ol style="list-style-type: none"> <li>1. Maximum RMS applicable power for a musical signal, the reference signal is the one proposed by EIAJ standard.</li> <li>2. Measured @4 mt then scaled @1 mt</li> <li>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.</li> </ol> <p>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.</p>	

### Accessories:

- K-OTR1: Trolley for KO40
- K-OCOVER1: Cover for KO40

