

KJ50vb

Low profile, variable beam speaker



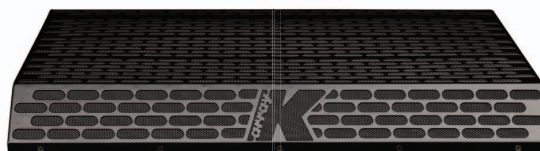
DATASHEET

Features:

- Selectable horizontal coverage
- Variable vertical coverage from external
- DSP control. +/- 15° focus area
- Multiple 2" long excursion full-range drivers
- Smooth frequency response
- Electronically protected
- High dynamic range capability
- Top quality components for outstanding performance
- Ultra-thin frame for invisible installation
- Available in black or white

Applications:

- TV stage monitoring
- Live stage monitoring
- Ceiling PA or monitor installations
- Permanent installations
- Under balcony applications



Along with its ultra-slim profile, substantial output capability and smooth frequency response over the full vocal range, the KJ50vb has the unique capability to switch-select the Horizontal coverage pattern and to vary the Vertical coverage through DSP control.

The KJ50vb is specifically designed to work with the K-array KA7-7 four-channel power amplifier. The KA7-7 provides the

discrete pre-set DSP control settings for speaker protection, equalization and the vertical beamwidth and steering capabilities.

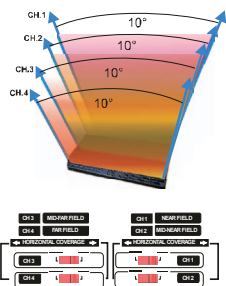
The KJ50vb speaker system is capable of operating with other power amplifiers and DSP control systems. For these applications please contact K-array technical support at tech@k-array.com.

www.k-array.com

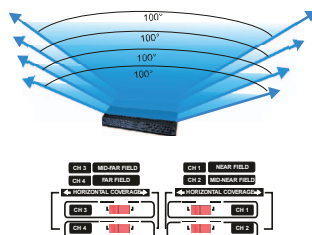
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KJ50VB	
Acoustics	
Speakers power handling	4 x 150 W ^(AES)
Max power	4 x 200 W ¹
Impedance	4 x 16Ω (spot mode), 4 x 8Ω (flood mode)
Frequency range	150 Hz - 20 KHz
SPL 1W/1mt	98 dB ²
Maximum SPL	124 dB continuous - 130 dB peak
Coverage	
Horizontal	selectable : Spot (10°) / Flood (100°)
Vertical	DSP dependent 10° 'Narrow' to 70° 'Wide', +/- 15° variable focus in 'Narrow' mode
Crossover	
Type	External Crossover required
Frequency	150 Hz, 24 dB/oct suggested minimum
Transducers	
Full-range	36 x 2" neodymium magnet 0.75" VC long-excursion speakers
Audio Input	
Connectors	1 x 8-pin Speakon NL8 input 1 x 8-pin Speakon NL8 Thru
Wiring	(1+ 1-) = CH.1 (Near field) (2+ 2-) = CH.2 (Mid-near field) (3+ 3-) = CH.3 (Mid-far field) (4+ 4-) = CH.4 (Far field)
Selection Switch	
Coverage	4 x switches for spot-flood coverage selection
Recommended Amplifiers	
Type	The K-array KA7-7 amplifier can drive up to 4 x KJ50vb speaker systems in parallel. (with dedicated preset)
Physical	
Dimensions	50.3 x 43.3 x 6.1 cm (19.80" x 17.05" x 2.40")
Weight	10 Kg (22.5 lbs)
<p><i>Notes for data</i></p> <p>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</p> <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>	

SPOT MODE



FLOOD MODE



COMBINED MODE

