

# K2® – S4800

Cutting-edge-technology loudspeakers



The K2 S4800 shares driver and design technologies with the company's flagship K2 S9800 SE (Special Edition) and award-winning K2 S5800, delivering the ultimate in musical realism in a more compact configuration that is ideally suited to a wide range of music systems and listening rooms.

This JBL® loudspeaker is designed and built to JBL's highest manufacturing standards to provide extraordinary sonic accuracy. It utilizes the company's most advanced technologies, components and materials, incorporating more than 60 years of JBL loudspeaker design expertise.

## Highlights

- Superbly detailed
- Outstandingly dynamic and capable of breathtaking power
- Delivery of uniform sound to the listening area
- Elegant mahogany real-wood finish

## Key Specifications

- Description: Three-way floorstanding speaker
- Frequency response: 55Hz – 40kHz (–6dB)
- Crossover frequencies: 900Hz/8kHz
- Power handling: 300 Watts RMS
- Bass extension: 55Hz (–6dB)
- Sensitivity (2.83V@1m): 93dB
- Nominal impedance: 8 Ohms
- Dimensions (H x W x D): 1067mm x 501mm x 372mm – height with spike feet: 1086mm (42" x 19-3/4" x 14-5/8" – height with spike feet: 42-3/4")
- Weight: 65kg (143 lb)

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## Features

- Speaker fitted with a 75mm (3") aluminum-diaphragm compression driver (435AL) and a 25mm (1") titanium-diaphragm compression driver (045Ti).
- Both drivers employ aluminum-ribbon voice coils and neodymium magnets for high output, high sensitivity and high durability.
- The 300mm (12") (1200FE) bass driver is designed for large excursion and power linearity with ferrite magnets and JBL's new SFG magnetic circuit.
- The K2 S4800 features a 435AL aluminum midrange compression driver and 045Ti ultrahigh-frequency titanium compression driver, both mated to a specially designed dual-chamber Bi-Radial® horn made from SonoGlass®, a highly dense resin material that can be precisely molded in an optimum configuration for an accurate, natural midrange and smooth high frequencies, along with wide dispersion.
- The 435AL midrange compression driver uses a 75mm (3") voice coil in a compact, neodymium motor assembly that is encapsulated in a Kapton® suspension for unmatched durability. The driver is pneumatically formed from an extremely thin aluminum foil that yields superlative sonic performance. The driver assembly feeds into a rapid-flare horn shape designed to dramatically reduce second harmonic distortion.
- The K2 S4800's 045Ti ultrahigh-frequency compression driver features a neodymium magnet and a ribbon voice coil directly mounted to a titanium diaphragm to reduce weight and deliver maximum high frequencies. Internally incorporated into the dual-chamber high-frequency horn, its response extends to beyond 40kHz with a 60° by 30° coverage pattern, providing exceptionally open and detailed high frequencies with no harshness or glare, over a wide listening area.
- The midrange/high-frequency horn assembly is complemented by a 1500FE 380mm (15") Aquaplas-treated pulp-cone woofer, which combines fast transient response with the musicality of natural fiber. The Aquaplas treatment provides added rigidity while preserving the sonic neutrality of the pulp-cone material and damping internal resonances, smoothing out the frequency balance and tightening bass response. In addition, the woofer surround is made from a specialized elastomer material that will not deteriorate.
- To provide high-power-handling capability with minimal distortion, this advanced-technology woofer features a heavy-duty edge-wound aluminum-ribbon voice coil utilizing JBL's Symmetrical Field Geometry™ (SFG) circuit, a proprietary technology that lowers woofer distortion by maintaining a symmetrical magnetic field (unlike conventional woofer designs with asymmetrical magnetic fields) in the voice-coil gap. The uniform magnetic field around the voice coil ensures linear cone travel, and harmonic distortion is significantly reduced. Performance is further enhanced by the woofer's die-cast aluminum frame, JBL's Vented Gap Cooling™ design for highly efficient cooling, and additional refinements.
- Complementing these extraordinary drivers, the K2 S4800 is constructed from the highest-grade materials and components, such as rigidly braced medium-density fibreboard (MDF) enclosures, and audiophile-quality crossover components and internal wiring selected for maximum sonic purity. The loudspeaker utilizes completely separate crossover paths for the low-frequency and high-frequency networks to attenuate intermodulation distortion and maintain maximum signal purity. Additional features include a high-frequency trim switch to tailor the treble response to the room and the listener's preference, bi-wiring and bi-amping capability, and more.
- Thanks to its advanced engineering and uncompromising construction, JBL's K2 S4800 offers sonic performance that is truly remarkable. Music and movie soundtracks are conveyed with extraordinary transparency, clarity, presence and dynamic range, thanks to the loudspeaker's wide frequency response and high 93dB efficiency, which enables the K2 S4800 to be driven to generous volume levels, even using lower-powered audiophile tube and solid-state amplifiers. The K2 S4800 brings out the best in the highest-resolution program sources, such as DVD-Audio and SACD™, and faithfully reproduces the sonic environment present on the original recording with an accurate tonal balance and precise image placement on an expansive soundstage.

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