

K2® – S5800

Cutting-edge-technology loudspeakers



The K2® Series is the finest loudspeaker line ever created by JBL® – and the K2 S5800 is an award-winning product and extends the K2 Series' heritage of uncompromising excellence, delivering sonic performance that is nothing less than remarkable. The K2 S5800 is designed to satisfy even the most demanding audiophiles and music lovers, and conveys all the power and subtlety of music and movie soundtracks with astonishing realism and emotional impact.

This JBL loudspeaker 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
- Shares driver and design technologies with the line's flagship KS S9800, but in a more compact design

Key Specifications

- Description: Three-way floorstanding speaker
- Frequency response: 50Hz – 40kHz (–6dB)
- Crossover frequencies: 800Hz/10kHz
- Power handling: 300 Watts RMS
- Bass extension: 28Hz (–10dB)
- Sensitivity (2.83V@1m): 95dB
- Nominal impedance: 8 Ohms
- Dimensions (H x W x D): 1245mm x 432mm x 413mm (49" x 17" x 16-1/4")
- Weight: 84kg (185 lb)

K2® – S5800

Cutting-edge-technology loudspeakers



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 380mm (15") (1500FE) bass driver is designed for large excursion and power linearity with ferrite magnets and JBL's new SFG magnetic circuit.
- 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 S5800 features a 435AL aluminum midrange compression driver and 045Ti ultrahigh-frequency titanium compression driver, both mated to a specially designed dual-chamber BiRadial® 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 K2 S5800'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 flanked by dual 1200FE 12-inch Kevlar®-composite cone woofers treated with Aquaplas, a mixture of Kevlar fiber and felted paper that combines the rigidity and fast transient response of Kevlar with the musicality of natural fiber. The Aquaplas treatment provides added rigidity while preserving the sonic neutrality of the Kevlar/felted-paper cone material, while damping internal resonances, smoothing out the frequency balance and tightening bass response.
- 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 dramatically reduced. Performance is further enhanced by the woofer's die-cast aluminum frame, vented polepieces for highly efficient cooling and additional refinements.
- Complementing these extraordinary drivers, the K2 S5800 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 employs an innovative crossover network in which a DC-bias voltage is applied to the capacitors to eliminate the distortion that can occur when the musical waveform crosses from a positive to a negative value in an audio circuit.
- 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.

Harman Consumer Group, Inc.

2, route de Tours, 72500 Château du Loir, France • 250 Crossways Park Drive, Woodbury, NY 11797, USA • 8500 Balboa Boulevard, Northridge, CA 91329, USA

www.jbl.com

H A Harman International Company

© 2007 Harman International Industries, Incorporated. All rights reserved. JBL, K2, Bi-Radial and SonoGlass are trademarks of Harman International Industries, Incorporated, registered in the United States and/or other countries. Symmetrical Field Geometry (SFG) is a trademark of Harman International Industries, Incorporated. Kapton and Kevlar are registered trademarks of E.I. du Pont de Nemours and Company.

Features, specifications and appearance are subject to change without notice.