

K2® – S9800SE

Cutting-edge-technology loudspeakers



The K2 S9800SE is the flagship loudspeaker in the K2® Series and sets the standard for all other speakers in the line. The K2 S9800SE 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® flagship 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
- Luxurious presence
- High-performance components

Key Specifications

- Description: Three-way floorstanding speaker
- Frequency response: 45Hz – 50kHz (–6dB)
- Crossover frequencies: 800Hz/10kHz
- Power handling: 400 Watts RMS
- Bass extension: 35Hz (–10dB)
- Sensitivity (2.83V@1m): 92dB
- Nominal impedance: 8 Ohms
- Dimensions (H x W x D): 1295mm x 508mm x 375mm (51" x 20" x 14-3/4")
- Weight: 90kg (198 lb)

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Features

- Employs a 380mm (15") (1500AL) woofer with ribbed Aquaplas-coated pulp cone and Alnico magnet and 100mm (4") edge-wound voice coil.
- Aquaplas applied to the rear periphery of the cone helps to eliminate distortion at high power levels.
- A Symmetrical Field Geometry™ (SFG) circuit creates vertical symmetry and generates a constant magnetic-flux density across the width and length of the voice-coil gap.
- The 75mm (3") beryllium (435Be) high-frequency compression driver features an Aquaplas-coated diaphragm and 25mm-throat Bi-Radial® horn.
- The 25mm (1") beryllium (045Be) super-tweeter compression driver is mounted in a 12.8mm- (0.5"-) throat Bi-Radial horn.
- The K2 S9800SE crossover can be bypassed for active bi-amplification via an external crossover.
- Board material is the highest-quality glass-epoxy.
- The network is carefully tuned for changes in the use of high-quality capacitors. This results in much smoother response and exceptional transitions between units.
- The component layout is reviewed and optimised for the new high-quality capacitors. Thorough considerations such as orientations of inductors (90 degrees) are given to minimise mutual interference between components.
- SonoGlass®-made HF horn, UHF horn and top dome offer high mass and low resonance.
- Hexagonal-shaped enclosure controls internal standing wave.
- The network chamber eliminates back pressure, vibration and magnetic flux from the woofer.
- Large inductors using thick copper wire are used for the network. Air-core inductors eliminate magnetic saturation and distortion.
- JBL's proprietary Charge-Coupled Linear Definition™ network applies bias to capacitors to enable constant Class A operation. The newly adopted high-quality "fast capacitor" reduces distortion further and results in even more transparency and a richer soundstage.
- Three-step bass adjustment, three-step treble adjustment and normal/bi-amp switching are possible with control switches on the network panel.
- Large, extruded stainless steel-feet with selectable round and spike tips.

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