

# K2® – S9900

Cutting-edge-technology loudspeakers



The JBL® brand has been praised for more than 60 years for its high-performance loudspeakers – and the K2® S9900 continues this legacy. Key elements from three recent, popular JBL loudspeaker systems – the K2 S9800 (and SE) and the DD66000 (Everest) – have been combined to create the new system. While keeping the traditional “tall-boy” appearance and the 380mm (15”) low-frequency drive unit of the S9800, main features have been carried over from the Everest system, including a curved front and rear enclosure, integrated horn lips and a 100mm compression driver. Every attempt has been made to design a system that sounds great, looks stunning and is built to last using modern techniques and the best materials available. This is where the longstanding history of outstanding JBL engineering, both sonic and visual, comes into play: The K2 S9900 delivers a musical experience that few other loudspeakers can match.

## Highlights

- Superbly detailed
- Outstandingly dynamic and capable of breathtaking power
- Extremely smooth and extended frequency response
- Delivery of uniform sound to the listening area
- Stunning, unique appearance

## Key Specifications

- Description: Three-way floorstanding speaker
- Frequency response: 48Hz – 50kHz
- Crossover frequencies: 900Hz, 15kHz
- Power handling: 400 Watts RMS
- Bass extension: 33Hz (–10dB)
- Sensitivity (2.83V @ 1m): 93dB
- Nominal impedance: 8 Ohms
- Dimensions (H x W x D): 1200mm x 560mm x 350mm (47-1/4" x 22" x 13-13/16")
- Weight: 82.7kg (182 lb)

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The JBL logo is a white, stylized, sans-serif font inside a solid orange square.

## Specifications

- Employs a 380mm (15") 1500AL-1 woofer with ribbed Aquaplas-coated pulp cone and Alnico magnet and a 100mm (4") edge-wound voice coil. The voice-coil length has been increased to 25.4mm (from 20.3mm), and its milling width has been reduced slightly. These coil improvements allow the 1500AL-1 to handle up to 25 percent more power than the previous 1500AL.
- Aquaplas applied to the rear periphery of the cone helps 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 100mm (4") 476Mg high-frequency compression driver is formed of magnesium-alloy foil and is the first JBL large-format 100mm compression driver to use this special material. The magnesium alloy is essentially 95 percent pure magnesium, with small percentages of aluminum, zinc and other alloys added to improve characteristics such as diaphragm forming, fatigue strength, and corrosive and acoustic properties.
- The JBL diamond-pattern surround is also utilized in the 476Mg to maintain proper control and tuning of the second diaphragm resonance (the surround-resonance mode). The proper control and placement of this surround resonance is critical for good high-frequency shape, extension and level.
- The 25mm (1") beryllium 045Be-1 super-tweeter compression driver is mounted in a 12.8mm- (0.5"-) throat Bi-Radial® horn.
- 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 SonoGlass®-constructed HF horn, UHF horn and top dome offer high mass and low resonance.
- The new exclusive shaped enclosure controls internal standing wave, ensuring a great sound effect.
- In addition to the input binding posts and port flare, the rear input plate includes rotary switches that allow for the selection of bi-amplification, presence adjustment and high-frequency level trim. A removable cover provides access to the nine-volt battery used for capacitor bias.
- Large, extruded stainless-steel feet with selectable round and spiked tips.

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