



KSP-7B Stereo Preamplifier





The KSP-7B embraces technology developed for the highly acclaimed KRS-Balanced Reference Preamplifier and adheres to fundamental Krell design concepts. All amplifier stages are high-bias Class A with individual tracking regulators. The entire signal path is direct-coupled from input to output, meaning there are no capacitors to degrade sonic quality. Precision components operating well within their capabilities are used throughout to insure maximum stability and consistency of performance. These breakthroughs in the functions and performance of the KSP-7B result in long-term satisfaction and pride of ownership.

PHONO SECTION

The KSP-7B Phono Section uses extremely sophisticated passive and active circuits with 1% tolerance parts to resolve the RIAA equalization within .1dB maximum deviation from the standard. There is gain adjustment to accommodate MC or MM cartridges. The moving coil section has user-adjustable input loading for proper cartridge/preamplifier loading. Individual stages in the phono section are direct-coupled to optimize low-

frequency response and preserve signal integrity. Additional voltage regulation for the phono stage increases isolation from the line stage and enhances its superb low-frequency definition by effectively minimizing 60, 120, 180, 360Hz residual power line components from blurring bass reproduction. The Phono Section is also buffered from the Record Outputs to eliminate the possibility of sonic degradation caused by loading from tape recorder input circuitry.

BALANCED OUTPUT STAGE

The KSP-7B has a fully balanced Output Stage. Balanced operation is implemented by a unique phase-splitting circuit. This stage is completely discrete, directly coupled, and uses high-speed servo amplifiers to eliminate DC from the outputs. The balanced output is terminated with a standard XLR connector. An additional non-inverted pair of RCA connectors allows the convenience of operating two independent amplifier/speaker systems. Also, two KSP-7Bs can be configured for true dual-mono, balanced input-to-output operation.

Consult your dealer or factory for more details.

Balanced line operation is the established standard in professional audio equipment. There are two primary advantages: first, there is a 6dB increase in gain without an increase in noise; second, there is a decrease in overall system noise due to common-mode rejection of stray AC and RF fields. The sonic implications of balanced operation are a dramatic improvement in soundstage resolution and faster, more vivid dynamic contrasts.

OPERATIONAL FEATURES

Rear panel input/output connectors and front panel switching address most installations. There are inputs for phono, CD, and two line-level sources on the Select switch, and one tape return on the Tape/Select switch. There is one Record Output, which is buffered from the rest of the preamplifier. The high-output (12vRMS capable) balanced line stage has controls for balance, level, high/low gain and absolute phase reversal (inverts the phase of the main outputs 180°) The Gain switch function matches overall system efficiency. Absolute phase correction assures transients, dynamics, detail, imaging, and hall/room atmosphere are as recorded.

WARRANTY

The KSP-7B is covered by a five year transferable warranty which includes parts, labor and return freight. This, however, describes only the minimum protection Krell provides its customers. A very real part of the "Krell story" is told by customers who have received premium service long after their official warranty expired.

Krell is indeed unique in high-end audio. Our commitments to sonic excellence, innovative product design, reliability and service are unparalleled in the industry. The KSP-7B delivers on these commitments, providing high-end performance and service available only from Krell.

SPECIFICATIONS

Signal to Noise Ratio:	Phono: 80dB "A" weighted
Phono Input Impedance:	MM: 47,000 ohms MC: adjustable from 5 ohms to 47,000 ohms
RIAA Tracking:	Less than .1dB deviation from 20Hz to 20kHz
Phono Overload:	300mV @ 1KHz
Frequency Response:	From .5Hz to 550kHz
High Level Voltage Swing:	12 volts RMS, Balanced Outputs, into 6 ohms
Input Impedance:	10,000 ohms
High Level Gain:	Adjustable, 9 or 15dB
Pure D.C. Coupled	
Warranty:	5 years, limited and transferable
Dimensions:	2.25" H x 18.5"W x 12" D
Shipping Weight:	35 lbs.



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