



# KSL Stereo High Level Preamplifier KST Stereo Amplifier





*KSL High Level  
Preamplifier—All front  
panel legends are  
computer engraved.*

Over the course of its 10 year history the KRELL name has become synonymous with audio products of uncompromised quality. The KSL High Level Preamplifier and KST-100 Stereo Amplifier possess a combination of classic Krell attributes and new concepts that have evolved in recent years. They represent real value by delivering on all that is important in high-end audio: superb sonic quality, innovative features, and reliability.

#### **BALANCED OPERATION**

A new concept being incorporated in home audio equipment is balanced operation. Balanced systems have long been standard in professional applications. Krell believes the sonic advantages are substantial and has included balanced circuitry in all products. Soundstage and dynamic presentation are dramatic and vivid, and overall system noise is reduced. The KSL will accommodate balanced inputs and outputs and the KST-100 will accept a balanced input.

#### **CONSTRUCTION**

The KSL and the KST-100 are built to provide consistent performance for a lifetime. Superior build quality is a Krell trademark. This is evident in the fit and finish of the external chassis, military-grade electronic components, and proprietary structural parts. Internal construction is efficient and elegant. Virtually

all hand wiring has been eliminated, resulting in a surprising improvement in sonic clarity. All gain and power supply stages operate in complete harmony with one another to insure uniform operation under the most diverse conditions.

#### **KSL FEATURES**

The KSL has adequate input and output capacity for most home systems. There are a total of 4 high level inputs on the front panel Select switch. Two are balanced, B-1 & B-2, and two are single-ended, S-1 & S-2. There is a fifth input on the Tape switch for use as a tape or processor return. One Record Output is provided, which is fed signal from the Select switch. There are two Main Outputs, one balanced and one single-ended. The Main Outputs can be used simultaneously to drive two independent amplifier/speaker systems. In addition to the Select and Tape switches are Balance and Level controls. The Balance switch uses fixed value parts instead of a variable control to reduce noise and signal degradation. The Level control is a custom made precision potentiometer with a smooth logarithmic taper for easy volume adjustment.

The KSL active circuitry is all high-bias Class A and fully discrete. The power supply is internal, allowing easy installation in any type of cabinet. Double regulation is provided for each stage to reduce noise to a minimum.

Inputs B-1 & B-2 and the Balanced Main Output use XLR connectors. Inputs S-1 & S-2, the Record Output and single-ended Main Output use RCA connectors.

### OPTIONAL PHONO SECTION

A plug-in phono section is available as an option for the KSL. The KSL functions as a traditional preamplifier with the installation of the phono board. The phono section has user adjustable switches for MM or MC cartridge gain and impedance loading. The output of the phono section is routed to S-1 on the Select switch.

### KST-100 FEATURES

The KST-100 is a Class A/B amplifier rated at 100 watts per channel into 8 ohms. Class A circuitry yields superior sonic quality because the active components operate in their most linear and predictable regions. The KST-100 input stages are full Class A. The output stages operate in Class A until half power is reached, then gradually slide toward Class B operation. This allows the KST-100 to deliver ultimate sound quality at most listening levels while retaining tremendous reserve power for sharp attacks and transients.

The 100 watt / 8ohm rating of the KST-100 is very conservative. Like all Krell amplifiers, the KST-100 will drive extremely low impedance loads: it will deliver 800 watts into 1 ohm!

All circuitry is direct-coupled from input to output, which is unique in the industry. There are no capacitors in the signal path to degrade the audio signal.

Rear panel connections provide for either a balanced input via an XLR connector or a single-ended input via an RCA connector. There are 2 sets of 5-way binding posts per channel to allow easy bi-wiring.

### KST-100 MONAURAL OPERATION

Additional value is gained from the KST-100's ability to be reprogrammed for mono operation by the owner. In mono the amplifier will deliver 400 watts into 8 ohms! With the change of an existing amplifier to mono, and the purchase of a second, dual-mono operation can be achieved without the inevitable loss from trading or selling used gear.

### WARRANTY

The KSL and KST-100 are covered by a five year transferable warranty that covers parts, labor and return freight. Part of every Krell, however, is premium service for every product, regardless of age. Purchasing high-end audio equipment is a significant investment. Krell justifies that investment by delivering superior sonic performance, long-term reliability and consummate service for the life of every product.



*KST-100 Stereo Amplifier—  
The graceful front handle  
is a proprietary Krell design.*

**SPECIFICATIONS****KSL****Signal to Noise Ratio:** 95 dB "A" Weighted**Input Impedance:** 48,500 ohms**Output Impedance:** 11 ohms**Frequency Response:** .5Hz to 550 kHz**Voltage Swing:** 9.5 volts RMS  
28 volts peak-to-peak**Gain:** 10dB single-ended**Dimensions:** 2.25"H x 18"W x 13.75"D**KST-100****Power**

8 Ohms 100 watts/channel

4 Ohms 200 watts/channel

2 Ohms 400 watts/channel

1 Ohm 800 watts/channel

**Signal to Noise Ratio:** 96 dB "A" weighted**THD & IM Distortion:** Less than .1% under all conditions**Slew Rate:** 50 volts/microsecond**Input Sensitivity:** 1.5 volts for full output**Input Impedance:** 47,000 ohms**Output Impedance:** .125 ohms**Damping Factor:** 150**Power Consumption:** 2 amps at idle**Dimensions:** 6.5"H x 18"W x 14.8"D

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