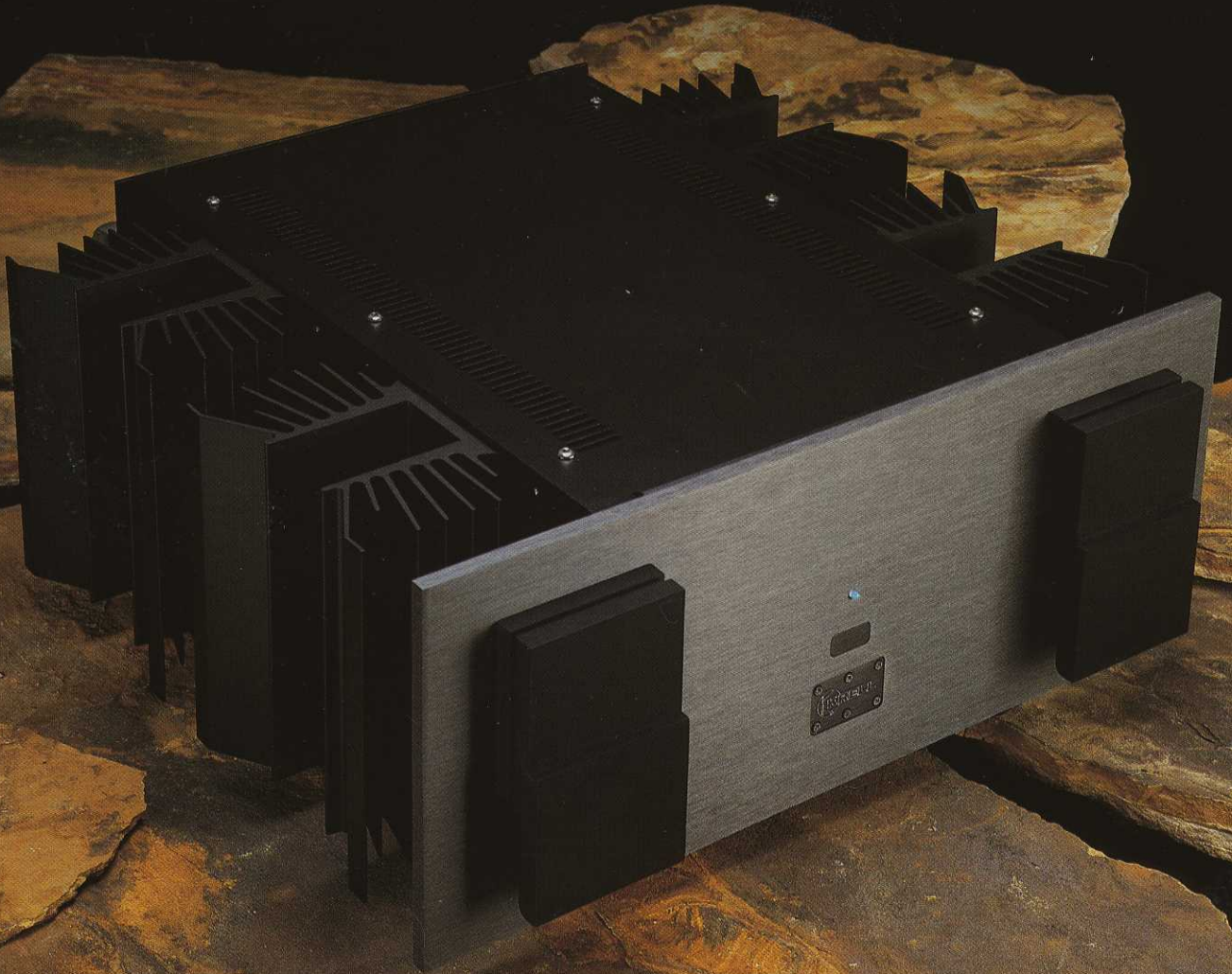




# KSA-150 Stereo Balanced Amplifier



*The KSA-150 and KSA-250 have balanced inputs via XLR connectors and single-ended inputs via RCA connectors. There are two sets of 5-way binding posts per channel to allow easy speaker bi-wiring.*

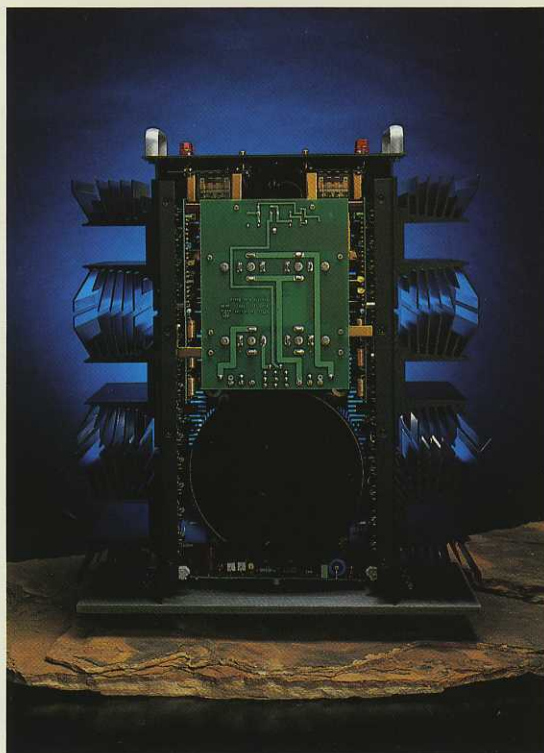


The latest generation of high-resolution source components and speakers have placed new demands on the power amplifier. Krell meets these challenges with fresh design sophistication and long-term value in the KSA-150 and KSA-250 power amplifiers. Both amplifiers can drive any speaker and have an effortless quality that makes their power seem endless. Extreme clarity is maintained at all power levels. The KSA-150 and KSA-250 utilize Krell-refined Class A and direct-coupled circuitry from input to output. Power supplies and output stages are massive: the KSA-150 can deliver 240 watts per channel into 8 ohms, while the KSA-250 can generate an astonishing 2,000 watts per channel into 1 ohm. High voltage rails with extensive regulation are provided for the input circuitry. All materials and electronic components are of the finest quality and operate within their optimum performance ranges. The KSA-150 and KSA-250 are extremely convincing and involve the listener in a compelling musical experience.

### **SOUND QUALITY & POWER**

All Krell KSA, KMA and MDA series amplifiers utilize Class A circuitry throughout the audio and power supply regulation stages. Class A gain stages deliver excellent sonic performance under diverse conditions. Each component is operated in its most linear and precise regions, allowing the amplifier to respond to the widest range of input signals with equal accuracy.

The KSA-150 and KSA-250 are conservatively rated at 150 and 250 watts per channel. Power



*KSA-250 Internal View—Gold-plated, solid copper bars replace hand-wiring.*

ratings, however, do not fully account for their superb sonic performance, nor describe their maximum power. The Krell definition of real power and the ability to drive low impedances is that the output must double into successively lower impedances. The immense power supplies in the KSA-150 and KSA-250 allow them to double their power into impedances down to 1 ohm.

## CONSTRUCTION & STABILITY

There are many advances in thermal construction and control circuitry in the KSA-150 and KSA-250. All heat-bearing structural components and external heatsinks were designed in-house to improve thermal tracking and cooling. This construction provides very low thermal resistance between the output transistors and the heatsinks, resulting in superior thermal tracking. It also results in a considerable reduction in overall size. Greater life expectancy of the units, in particular output devices, is a further benefit of these designs.

Automatic self-adjusting bias and DC offset control circuitry has been developed for the KSA-150 and KSA-250. These circuits compel the amplifiers to conform to their intended operational parameters under all AC mains conditions. A variation of approximately 20% in the AC can be accommodated, guaranteeing consistent performance in all environments.

The KSA-150 and KSA-250 are protected by a series of opto-coupled, non-intrusive circuits that constantly evaluate the amplifiers' operation. Appropriate protective action exists for DC conditions, short circuit, oscillation, AC power anomalies, high ground resistance, and out-of-phase ground. Collectively the protection circuitry is designed to avoid damage caused by other defective components, faulty wiring, mishandling of the system, or amplifier failure.

## BALANCED OPERATION

Krell is committed to balanced operation in all products. Balanced systems have long been standard in professional audio applications and the same advantages apply to home audio equipment. There is a 6 dB increase in gain without an increase in noise, and a decrease in overall system noise caused by stray AC and RF fields. Sonic performance is dramatically improved, particularly in dynamic and soundstage presentation.

## MONAURAL OPERATION

Both amplifiers are available in monaural versions. The KSA-150 becomes the MDA-300 and the KSA-250 becomes the MDA-500. The MDA designation stands for Mono-Differential Amplifier, meaning they are completely balanced from input to output. A KSA-150 or KSA-250 can be sent to the factory or distributor for conversion to mono and returned with a second, new mono amplifier as a matched pair. This process facilitates improving a system without the usual losses associated with trading-in or selling used equipment.

## WARRANTY

Krell believes in building products that deliver superior performance over long periods of time. The KSA-150 and KSA-250 are real solutions to amplification needs in terms of power, sonic quality and longevity. These virtues, however, are not enough to justify the investment. We also believe that part of every Krell should be an excellent warranty and premium service for the life of the unit. The KSA-150 and KSA-250 come with a 5 year limited and transferable warranty. When you purchase a KSA-150 or KSA-250 you acquire the finest in audio amplification together with the knowledge that Krell provides consummate support for its customers.

## SPECIFICATIONS

Power:	KSA-150	KSA-250
8 Ohms	150/ch	250/ch
4 Ohms	300/ch	500/ch
2 Ohms	600/ch	1,000/ch
1 Ohm	1,200/ch	2,000/ch
<b>Signal to Noise Ratio:</b>	120 dB "A" Weighted	
<b>THD &amp; IM Distortion:</b>	Less than .1% under all conditions	
<b>Slew Rate:</b>	In excess of 100 volts/microsecond	
<b>Input Sensitivity:</b>	Input voltage required for full output KSA-150: 1.8V KSA-250: 2.3V	
<b>Input Impedance:</b>	47,000 ohms, non-inverting & inverting inputs	
<b>Damping Factor:</b>	Greater than 500 from 20 Hz to 20 kHz	
<b>Power Consumption:</b>	KSA-150: 7 amps KSA-250: 12 amps	
<b>Warranty:</b>	5 years limited and transferable	
<b>Dimensions:</b>	KSA-150 19"W x 8.5"H x 16.75"D* KSA-250: 19"W x 8.5"H x 21.5"D* *Add 2.5" of depth for front and rear handles	

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[Rick@AllegroSound.com](mailto:Rick@AllegroSound.com)