



KAV-250p

Stereo

Preamplifier

with

Theater

Throughput™



Obviously Krell®.

Highlights

- Unique Krell™ Current Mode Gain™ analog circuitry delivers Krell™-quality sound.
- Krell® traditional Class A, complementary circuitry provides fully balanced operation for audiophile-grade sound quality.
- Theater Throughput™ mode provides convenient home theater system integration with surround sound processors.
- Balanced and single-ended inputs and outputs provide complete compatibility with other equipment.
- Remote control operation includes handheld remote and rear-panel system connectors.

*The flexible
control center
for music and
home theater
systems.*

Krell® Sound Quality

Like more expensive Krell® components, the KAV-250p preamplifier features quality in every aspect of design, construction, and sonic integrity. Its unprecedented feature however, is the ability to deliver audiophile-grade performance far beyond its cost.

Even brief listening will reveal that sound quality is what makes this preamplifier a Krell®. Like all Krell® components, the KAV-250p presents music with an authentic tonality and dimensionality that seem suspended before a palpable background of spacious silence.

The preamplifier's integrity of design, uncommon flexibility, and profound musicality make it a fitting companion for other Krell® KAV-Series components, such as the KAV-250a Stereo Power Amplifier and the KAV-300cd Compact Disc Player. Like these other components, the KAV-250p exhibits the benchmarks of quality, performance, and longevity which define it as a true Krell®.

Krell® engineering excellence is highlighted in its preamplifiers, which combine traditional Krell® sound quality with flexibility, convenience, and control. In the KAV-250p, Krell® has achieved a stellar combination of superior performance with the ability to accommodate audiophile-grade music systems, advanced home theater systems, and elaborate whole-house sound systems.

PREAMPLIFIER CIRCUITRY

The KAV-250p employs Krell's breakthrough Current Mode Gain™ Class A, fully-complementary circuitry from input to output. This discrete topology employs numerous wide-bandwidth, small-signal transistors operating at ideal bias points. All gain stages operate in the current domain rather than the conventional voltage domain to deliver unmatched linearity, superb transient response, and exceptionally low distortion and noise.

Volume level, balance, and input switching are controlled by a microprocessor. Input switching is by means of dry-contact relays, which allow signal paths to be short and direct, located well away from circuitry that could inject noise. The volume and balance levels also are controlled by the microprocessor, which drives high-precision multiplying digital-to-analog converters, operating as analog attenuators, to provide the signal level control in each channel. This advanced system not only yields precise control, but also

assures wide signal bandwidth. The sonic result is exceptional transparency and detail, coupled with convincing imaging and impact.

POWER SUPPLY

The KAV-250p employs a large, well-regulated power supply that provides the audio circuitry a stable operating environment under all conditions. Superior regulation and extensive decoupling provide a high level of isolation between circuits and channels, preventing any noise contamination. As with other KAV-Series components, the power transformer is a large toroidal type. This design provides high efficiency and excellent AC regulation while virtually eliminating noise-producing exterior magnetic and static fields.

EASE-OF-USE AND SYSTEM INTEGRATION

The KAV-250p offers one balanced input, three single-ended inputs, and a tape loop, for full compatibility with other equipment. One of the single-ended inputs can be configured as a Theater Throughput™, for integrating a KAV-250p into a home theater. This mode greatly simplifies connections in large systems. Both single-ended and balanced main outputs provide additional flexibility in installation.

The remote control operates the KAV-250p and other KAV-Series components. The KAV-250p has a front-panel receiver and a rear-panel jack for RC-5 inputs from other equipment. In addition, two 12V output jacks provide automatic on/off signals for other gear, including other Krell® KAV-Series components.

For those who play vinyl discs, a Krell® KPE Standard or KPE Reference outboard phono stage can be connected to the KAV-250p for the finest sound quality possible from a cartridge/turntable combination.

THE KRELL® TRADITION

The refined appearance and outstanding sound quality make it obvious that the KAV-250p is a world-class stereo preamplifier. It is designed and built in the Krell® tradition of engineering excellence, design innovation, and outstanding build quality, a tradition which has again and again gone beyond conventional understanding to produce preamplifiers renowned as the finest in the world.

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Stereo

Preamplifier

Specifications

FREQUENCY RESPONSE

.5Hz-132kHz +0, -3dB

SIGNAL TO NOISE RATIO

-105dB, "A" weighted

DISTORTION

<0.007% THD 20Hz-20kHz

INPUT TO OVERLOAD

10.3 Vrms

GAIN 9dB (balanced)

IMPEDANCE

Input 160k Ohms

Output 15 Ohms

POWER CONSUMPTION

35 Watts

INPUTS

1 pair balanced via XLR connectors

3 pairs single-ended via RCA connectors

1 single-ended tape input via RCA connectors

OUTPUTS

1 pair balanced via XLR connectors

1 pair single-ended via RCA connectors

1 single-ended tape output via RCA connectors

REMOTE CONTROL

Wireless infrared

DIMENSIONS

19w x 3.5h x 15.5d in

48.3w x 8.9h x 39.4d cm.

WEIGHT

Shipping 17 lbs, 7.7 kg

Unit only 13 lbs, 5.9 kg

All operational features, functions, specifications, and policies are subject to change without notification.

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