



Completely Krell.

Highlights

- Clean, distortion-free reproduction of the most demanding source material assured by substantial power output of 250 Watts per channel into 8 Ohms and 500 Watts per channel into 4 Ohms.
- Tremendous output current capability provided by ten output devices and four driver devices per channel, employing Krell proprietary bipolar transistors, for vast reserves of dynamic headroom.
- Accurate, full-impact reproduction of demanding musical passages and movie soundtrack special effects ensured by massive 2 kVA power supply with toroidal transformer, which prevents power loss under heavy output loads.
- Complete compatibility with other equipment provided by balanced and single-ended inputs.
- System operating convenience is enhanced by remote power on/off capability.

*The powerful
solution for
high-performance
home theater
systems.*

Krell Sound Quality

One distinguishing characteristic of a high-performance home theater system is the quality of power amplification it provides. To do full justice to today's demanding surround-sound movie soundtracks and music sources, all five channels in a home theater system must be powered by amplifiers of sufficiently high output capability and discriminating performance traits.

THE AUDIOPHILE SOLUTION

Powerful, flexible, and endowed with the outstanding sonic performance characteristics that are unique to Krell, the KAV-250a/3 is a superior audiophile solution for home theater and multichannel music reproduction. The KAV-250a/3 can, for example, be used to drive the front channels (left, center, and right) with a Krell stereo power amplifier driving the rear channels. Alternately, those who prefer to keep their existing stereo configurations intact can use the KAV-250a/3 to drive the front center and two rear channels. Hence, it is an ideal solution for audiophiles who are creating a new home theater system or adding surround-sound capability to an existing two-channel system.

Combining the KAV-250a/3 Three-Channel Power Amplifier with any Krell two-channel power amplifier or integrated amplifier forms the foundation for a complete Krell-powered home theater system—a surround-sound entertainment center without peer. In particular, the KAV-250a/3 is an excellent match for other Krell KAV-Series components and the Home Theater Standard control center.

KRELL POWER

The KAV-250a/3 powers all three channels from a single massive power supply. This configuration is highly advantageous in home theater applications because the power requirements for the front center channel can vary widely from those of the remaining channels at any given time. The tremendous output capacity of the KAV-250a/3 power supply is more than ample for all three channels under full simultaneous drive. However, should any channel momentarily require greater power than the remaining two, it can draw on "shared" reserves—something not possible with independently powered channels. This single-massive-supply design more effectively meets the real-world requirements of home theater audio reproduction, and endowing the supply with enormous reserves is an engineering approach paramount to Krell multichannel power amplifiers.

At the power supply's center is a massive toroidal transformer that is capable of delivering

large amounts of current with exceptional stability. The toroidal design also reduces magnetic and static fields, preventing noise contamination of the audio signal. The supply is augmented by over 50,000 microfarads of high-grade filter capacitance to ensure noise-free performance and provide generous instantaneous power reserves.

KRELL PERFORMANCE

A key to the sonic excellence of the KAV-250a/3 is the use of Krell's advanced full-complementary, wide-bandwidth, balanced circuit topology from input to output. Also contributing to the amplifier's superb sound quality is Krell's hallmark Class A input and driver circuitry, which assures exceptionally linear and high-current drive to the output stages. The driver and output stages employ Krell proprietary high-power, high-speed transistors. These devices enable Krell amplifiers to achieve unprecedented speed, power, and musical accuracy because they deliver higher gain, greater output current, wider bandwidth, and higher linearity than other devices.

KRELL SYSTEM INTEGRATION

The KAV-250a/3 is completely compatible with other components because it provides balanced as well as single-ended inputs. The use of balanced interconnections between the KAV-250a/3 and, for example, the Krell Home Theater Standard control center, makes it possible to achieve an extraordinary level of sonic accuracy—one that cannot be equaled by systems employing single-ended interfaces.

Rear panel connectors are provided for a 12 VDC input and output (12 V trigger). These enable remote power on/off operation and facilitate the seamless integration of the KAV-250a/3 into remotely operated home theater or whole-house systems.

THE KRELL TRADITION

The Krell KAV-250a/3 Three-Channel Power Amplifier is an extraordinary high-power, high-performance solution for audiophiles seeking the finest in home theater sound. It is meticulously engineered in the Krell tradition to deliver seemingly limitless reserves of clean, accurate power. Its flexible three-channel configuration makes the KAV-250a/3 the ideal choice for home theater applications, especially when combined with other Krell KAV-Series components. In exemplifying the Krell tradition of engineering excellence, innovation, and impeccable build quality, the KAV-250a/3 joins a family of power amplifiers renowned as the finest in the world.

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KAV-250a/3

Three-Channel Power Amplifier

Specifications

FREQUENCY RESPONSE

20 Hz to 20 kHz +0 dB, -0.2 dB
0.4 Hz to 112 kHz +0 dB, -0.3 dB

SIGNAL TO NOISE RATIO

"A" WEIGHTED
118 dB

TOTAL HARMONIC DISTORTION (THD)

1 kHz and 20 kHz
0.06%, 0.25%

GAIN

26.4 dB

INPUT SENSITIVITY

2.15 Vrms

INPUT IMPEDANCE

100 kOhms

OUTPUT VOLTAGE

Peak to Peak 138 V
RMS 49 V

OUTPUT POWER EACH CHANNEL DRIVEN

8 Ohms 250 W
4 Ohms 500 W

POWER CONSUMPTION

Idle 235 W
Max. 1,930 W

REMOTE CONNECTOR

12 VDC input and output
(12 V trigger), via a 3.5mm
mini connector

DIMENSIONS

19.0w x 6.30h x 15.8d in.
48.3w x 16.0h x 40.1d cm

WEIGHT

Shipping 83.5 lb., 37.95 kg
Unit only 51.5 lb., 23.40 kg

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

Krell Industries, Inc.
45 Connair Road
Orange, CT 06477-3650 USA

TEL 203-799-9954

FAX 203-799-9796

E-MAIL krell@krellonline.com

WEB SITE www.krellonline.com