



The Leader in Audio Engineering



KAV-300cd

Front Loading

Compact Disc

Player

Krell® Sets the Standard. Again.

Highlights

- Unique Krell® Current Mode Gain™ analog circuitry delivers Krell®-quality sound.
- Krell® traditional Class A, direct coupled, complementary output circuitry provides both balanced and single-ended outputs.
- Center-mounted, front loading mechanism allows the KAV-300cd to be stacked with other components.
- High-resolution, 20-bit Digital-to-Analog Converters with current output for widest dynamic range, fastest conversion, and lowest noise.
- HDCD®¹ decoding via Pacific Microsonics PMD 100 decoder/digital filter.
- Remote control operation includes hand-held remote and rear-panel system connectors.

*The
indispensable
CD player
for serious
music lovers.*

Krell® Sound Quality

Since its founding in 1980, Krell® has changed the world's standards for audio performance not once, but with every new design. With the KAV-300cd, Krell® has again redefined expectations for performance and value in high-end Compact Disc Players.

Following in the footsteps of the breakthrough KAV-300i integrated amplifier, the KAV-300cd embodies the uncompromising standards of Krell® sound quality, build quality, longevity, and innovation. Its elegant exterior clothes a wealth of sonic performance and operational flexibility which will make it the indispensable CD Player for serious music lovers.

For Krell®, quality isn't the main thing, it's the only thing. However, unlike many other Krell® products, the KAV-300cd was not meant to be a cost-no-object product. It had to complement other Krell® KAV products in quality and value. Krell® met this challenge with a concentration on absolute value—on delivering traditional Krell® sonic quality using the most rational, elegant, and effective circuitry.

CD TRANSPORT

The KAV-300cd's transport combines the drive motor and full-size disc clamp in a single assembly. The motor drives the clamp and the disc as a single unit for outstanding rotational accuracy, while eliminating error-producing wobble. The transport's molded chassis parts are made of a special high-molecular material (polyphenylene oxide) and elastomeric shock-mounts are tuned to eliminate mechanical and acoustic disturbances. The integrated system design of transport and servo electronics deliver exceptional tracking and focus accuracy, regardless of environmental or disc characteristics.

DIGITAL CIRCUITRY

Perhaps the best argument for a well-designed single-chassis CD player is found in the KAV-300cd's high-stability, low-jitter master clock, which controls the transport electronics and digital audio circuitry. The high precision data stream controlled by this stable clock flows to the Pacific Microsonics digital filter/HDCD® decoder, where ultra-high signal resolution is maintained in the digital domain. This circuitry outputs 20-bit digital data to each channel's Burr-Brown PCM-1702K Digital-to-Analog Converter, a premium-grade part.

ANALOG CIRCUITRY

This circuitry is at the heart of the Krell® sonic signature. The wide-bandwidth analog output from each DAC is sent to an exclusive Krell® Current Mode Gain™ amplifier. This circuitry employs discrete bipolar transistors, allowing optimization for high-speed, current domain operation. All analog circuitry runs in Class A and is direct coupled to assure superior low frequency performance. The result is very low distortion and exceptionally wide bandwidth with minimal negative feedback. Used for the current-to-voltage conversion and analog outputs, this circuitry maintains the low noise and wide bandwidth characteristics needed to preserve the fidelity of decoded signals, including HDCD®¹. Sonically, the KAV-300cd opens the perceptual doors to a complete revelation of the musical performance.

POWER SUPPLY

This important stage makes the linear operation of the digital and analog circuits possible. A high-current toroidal transformer offers superb regulation and extremely quiet electrical operation. Superior line filtering keeps electronic noise from entering or leaving the KAV-300cd. Stiff regulator circuits assure stable power delivery to each section while providing high circuit-to-circuit isolation, regardless of external or internal conditions.

EASE-OF-USE AND SYSTEM INTEGRATION

The KAV-300cd employs a front-loading CD drawer mechanism that allows it to be stacked with other components. It comes with a remote control and remote connectors on the rear panel for on/off switching controlled by a 12VDC trigger. In addition, there is an input for RC-5 baseband signals, providing seamless integration into sophisticated home theaters or high quality whole-house systems. Thoughtful touches include the ability to turn off the display to prevent distraction in darkened listening rooms.

The KAV-300cd is a world-class CD Player designed and built in the Krell® tradition of engineering excellence, innovation, and outstanding build quality, a tradition which has again and again gone beyond conventional understanding to produce electronic components renowned as the finest in the world.

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Specifications

FREQUENCY RESPONSE

20Hz-20KHz +0.0, -1.8dB

SIGNAL TO NOISE RATIO

-103dB, "A" weighted

DISTORTION

20Hz-16KHz -87 dB THD
20KHz -82 dB THD

POWER CONSUMPTION

50 W

TRANSPORT

Monolithic assembly featuring full-size disc clamp

DAC

20-bit

ANALOG OUTPUTS

1 pair balanced via
XLR connectors

1 pair single-ended via
RCA connectors

DIGITAL OUTPUTS

1 EIAJ optical (Toslink)
1 SPDIF coaxial

REMOTE CONTROL

Wireless infrared

DIMENSIONS

19w x 4.6h x 15d in.
48.3w x 11.7h x 38.1d cm.

WEIGHT

Shipping 32 lbs, 14.5 kg
Unit only 22 lbs, 10 kg

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

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¹ HDCD® is the registered trademark of Pacific Microsonics, Inc.
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