

Chorus 4200 XD

4 CHANNEL POWER AMPLIFIER

KRELL
THE LEADER IN AUDIO ENGINEERING

200 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



200 Watt Four Channel Power Amplifier with
Krell iBias Class A Technology

Chorus 4200 XD

200 WATT 4 CHANNEL POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 200 Watts into 8 Ohms
- 4 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 80lb (36kg)



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Tel: 203-298-4000 • Fax: 203-799-9796 • Sales Dept: 203-298-4010 • contact@krellonline.com • www.krellonline.com

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CHORUS 5200 XD

5 CHANNEL POWER AMPLIFIER

KRELL
THE LEADER IN AUDIO ENGINEERING

200 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



200 Watt Five Channel Power Amplifier with Krell
iBias Class A Technology

CHORUS 5200 XD

200 WATT 5 CHANNEL POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

Power Supply Highlights

Three 700VA toroidal transformers feed amplifier modules that include the audio circuitry, rectifier, and power supply filtering mounted to an individual heat sink.

This design shortens the electrical path from the power supply to the output transistors, reducing the overall impedance and allowing the circuit to respond faster and control the speakers better and more accurately.

Feature Highlights

Network connectivity brings convenience, monitoring, and reporting to end users from any smartphone, tablet, or laptop.

Amplifier configuration options include display brightness and timeout. For energy conservation, the amplifiers can be programmed to power off at a preset time of inactivity. Individual channels can be muted and firmware updates can be initiated from the web server.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 200 Watts into 8 Ohms
- 5 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 90lb (40kg)



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CHORUS 7200 XD

7 CHANNEL POWER AMPLIFIER

KRELL
THE LEADER IN AUDIO ENGINEERING

200 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



200 Watt Seven Channel Power Amplifier with Krell
iBias Class A Technology

CHORUS 7200 XD

200 WATT 7 CHANNEL POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 200 Watts into 8 Ohms
- 7 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 100lb (45kg)



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DUO 125 XD

STEREO POWER AMPLIFIER



125 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



**125 Watt Stereo Power Amplifier with Krell iBias
Class A Technology**

DUO 125 XD

125 WATT STEREO POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 125 Watts into 8 Ohms
- 2 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 53lb (24kg)



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DUO 175 XD
STEREO POWER AMPLIFIER



175 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



175 Watt Stereo Power Amplifier with Krell iBias
Class A Technology

DUO 175 XD

175 WATT STEREO POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 175 Watts into 8 Ohms
- 2 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 60lb (27kg)



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DUO 300 XD
STEREO POWER AMPLIFIER



300 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



**300 Watt Stereo Power Amplifier with Krell iBias
Class A Technology**

DUO 300 XD

300 WATT STEREO POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

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Power Supply Highlights

Two 700VA toroidal transformers feed amplifier modules that include the audio circuitry, rectifier, and power supply filtering mounted to an individual heat sink.

This design shortens the electrical path from the power supply to the output transistors, reducing the overall impedance and allowing the circuit to respond faster and control the speakers better and more accurately.

Feature Highlights

Network connectivity brings convenience, monitoring, and reporting to end users from any smartphone, tablet, or laptop.

Amplifier configuration options include display brightness and timeout. For energy conservation, the amplifiers can be programmed to power off at a preset time of inactivity. Individual channels can be muted and firmware updates can be initiated from the web server.

SPECIFICATIONS

- 300 Watts into 8 Ohms
- 2 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 75lb (33kg)



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FOUNDATION 4K UHD SURROUND SOUND PROCESSOR

KRELL
THE LEADER IN AUDIO ENGINEERING

FEATURING HDMI 2.0/HDCP 2.2 TECHNOLOGY



Surround Sound Preamp/Processor featuring
balanced circuitry and latest in HDMI technology

FOUNDATION 4K UHD

SURROUND SOUND PROCESSOR

The Krell Foundation 4K UHD Surround Sound Processor couples award winning Krell preamplifier circuitry to the latest in HDMI technology to create the centerpiece of a high performance home theater system.

DESIGN

The Foundation 4K UHD adds HDMI 2.0 and HDCP 2.2 technology to the award winning Foundation processor. Designed to be upgradeable, existing Foundation processors can be upgraded to the Foundation 4K UHD platform at the Krell facility.

The Foundation 4K UHD updates 4 of the 10 HDMI inputs to HDMI 2.0/HDCP 2.2 capability. On screen display functionality adds status messages including volume, active source, video resolution and audio format. System setup is accomplished from the front panel, on screen menu, or a network tablet/computer.

Two HDMI video outputs are independent and can be configured to send different video signals to two individual displays. Both outputs support 4K signals being simultaneously displayed.

Both HDMI outputs feature Audio Return Channel (ARC). With ARC, a display device is able to send audio back down the HDMI cable to the Foundation 4K UHD. Televisions with built-in web streaming capability like Netflix or Pandora, can send the audio signal back to the Foundation 4K UHD use the full home theater system instead of just the TV's speakers.

Krell's Automatic Room Equalization System (ARES) ensures the best possible performance from every theater. ARES analyzes the speakers in the system, their location, phase, and distance from each other, to determine the best crossover frequency, delay, and more. In addition, ARES analyzes the room and creates unique EQ curves for each of the output channels. Unlike other room EQs, ARES can be programmed to only adjust the troublesome low frequencies, leaving high frequencies unaltered.

Intelligent HDMI switching is a combination of circuitry and innovative software that optimizes HDMI switching. Parameters including the monitor's electronic ID and source video resolution are stored in memory. All 10 source inputs are always active so source, channel, video resolution, and audio format changes are instantaneous. The Intelligent HDMI design provides the fastest signal recognition possible.

The Foundation 4K UHD supports stereo and multichannel DSD decoding via any of the 10 HDMI inputs.

Network connectivity brings convenience, setup, and operation from any smartphone, tablet, or laptop. Software updates are initiated from the menu and are downloaded from the Krell server.

SPECIFICATION HIGHLIGHTS

- 10 HDMI 2.0 inputs - 4 with HDCP 2.2
- 2 HDMI outputs with ARC
- 7.1 - Single-ended RCA and Balanced XLR Outputs
- 1ea RJ 45 Ethernet Port and RS-232
- 1ea 12V Trigger input/output
- Comprehensive Dolby and DTS support including True HD and DTS-HD Master Audio
- Stereo and Multi-Channel DSD Support
- Optional Rack Mount Kit
- 17 W, 3.5 H, 17 D in
- 43.3 W, 8.9 H, 43.3 D cm



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Illusion Preamplifier



Stereo Preamplifier featuring Krell CAST technology
w/optional crossover functionality

Illusion Preamplifier

The Illusion preamplifier extends the Krell tradition of separating the power supply from the audio circuitry in our flagship preamplifiers. Sharing the new Class A iBias power amplifier aesthetic and featuring Krell CAST technology, the Illusion preamplifier is the ideal match for the new Solo 375 and Solo 575 power amplifiers.

The optional crossover functionality offers the ability to use a subwoofer/satellite speaker arrangement and still maintain the highest quality sonic performance. Previous to the Illusion preamplifier, this system configuration would require signals to pass through a subwoofer's lower quality crossover circuitry. The Illusion preamplifier is the centerpiece of a world class audio system where space is at a premium.

DESIGN

Circuitry Highlights

The Illusion preamplifier is a dual monaural circuit design with the left and right channels afforded their own power supply regulation and individual full chassis sized boards. All signal gain is realized in surface mount topology using proprietary multiple-output current mirrors with nearly 500 times the open loop linearity of other designs 1.5 MHz open loop bandwidth in a zero feedback, balanced, Krell Current Mode design terminating in Krell CAST. A complete Krell system (source, preamp, and amplifier) system, connected using CAST interconnects reduces the number of voltage gain stages to the minimum, one. The resulting noise floor approaches the theoretical limit of technology. Negative feedback is not used anywhere in the preamp, nor is it necessary. Open-loop distortion is typically less than 0.003%. The volume control is realized with a balanced resistor ladder — bandwidth and transient response of the preamp circuitry are virtually unaffected by the volume setting.

Crossover Highlights

Owing to Krell's work in the Modulari Duo Reference loudspeaker, the unique crossover feature is a highly sophisticated option. When the optional board is present, additional crossover menu items become available. Definable parameters include independently assignable crossover frequencies and filter types for the high and low pass sections. Choices include 40Hz, 55Hz, 75Hz, and 100Hz crossover points with 12dB, 24dB, and 48dB Butterworth or 24dB Linkwitz-Riley style filters. The high pass section of the crossover uses the full Illusion preamplifier circuitry for its output stage.

Power Supply Highlights

The Illusion audio circuits receive power from a Krell Current Mode analog power supply housed in its own dedicated chassis. The power supply avoids the common integrated circuit topology used in many preamplifiers and instead mimics the design topology of Krell Evolution e Series amplifiers. The circuitry is completely discrete giving it the ability to respond quickly to current demands and also be unaffected by all but the most severe AC voltage power fluctuations. Oversized for a preamplifier, the power supply features a 290 VA transformer and 41,600 μ F of capacitance. Locating the power supply in its own chassis presents the ideal configuration for isolating stray electrical and magnetic interference from the critical preamplifier signal path. Capable of delivering current and voltage swing for any musical event, the Illusion power supply is gentle on AC requirements when not in use. A new eco-friendly design reduces standby power draw to 2W.

SPECIFICATION HIGHLIGHTS

- 4 pr. CAST via 4-pin bayonet connectors input/output
- 4 pr. balanced via XLR connectors input/output
- 7 pr. single-ended via RCA connectors input/output
- 3ea 12V Trigger input/output
- 2ea preamplifier link via RJ-45 connector
- 1 remote IR detector input via 3-conductor 3.5 mm connector
- Optional Rack Mount Kit
- 17.3 in W x 7.6 in H x 18.3 in D
- 43.8 cm W x 19.2 cm H x 46.4 cm D



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Illusion II Preamplifier



Stereo Preamplifier featuring Krell Current Mode design
with 24 bit/192kHz LPCM Digital module

Illusion II Preamplifier

The Illusion II is the perfect centerpiece for a world class digital and analog audio system. Added to the normal selection of balanced and single-ended inputs are five digital inputs. The digital module features AES/EBU, coaxial, and optical digital inputs for use with streaming devices or other digital sources.

DESIGN

Circuitry Highlights

The Illusion II preamplifier is a dual monaural design with the left and right channels afforded their own power supply regulation and individual circuit boards. All signal gain is executed with surface mount technology using proprietary multiple-output current mirrors with nearly 500 times the open loop linearity of other designs. Featuring 700 kHz bandwidth in a zero feedback, balanced, Krell Current Mode design, the Illusion II shares the same design philosophy as its bigger brother, the flagship Illusion preamplifier. Negative feedback is not used anywhere in the preamp, nor is it necessary. Open-loop distortion is typically less than 0.003%. The volume control is realized with a balanced resistor ladder - bandwidth and transient response of the preamp circuitry are virtually unaffected by the volume setting. The headphone circuitry is identical to the main circuitry, offering private listening with the same performance as speaker playback.

Digital Module Highlights

The digital module supports up to 24 bit/192kHz LPCM. All digital signals are fed to an ESS Sabre DAC and then sent to Krell's Current Mode, discrete, balanced analog circuitry.

Power Supply Highlights

Oversized for a preamplifier, the power supply features a 95 VA transformer and 40,000 μF of capacitance giving it the ability to respond quickly to musical demands. The large power supply improves noise rejection and renders the Illusion II impervious to all but the most severe AC voltage power fluctuations. A new eco-friendly standby mode reduces power consumption to 2W.

SPECIFICATION HIGHLIGHTS

- 3 pr. balanced via XLR connectors input/output
- 4 pr. single-ended via RCA connectors input/output
- 1 AES/EBU via XLR connectors digital input
- 2 coaxial via RCA connectors digital input
- 2 optical via Toslink connectors digital input
- 3ea 12V Trigger input/output
- 1 RS-232 input via 9-pin D-subminiature connector
- 1 remote IR detector input via 3-conductor 3.5 mm connector
- 1 Headphone output via 3-conductor 6.35 mm (1/4 in) connector
- Optional Rack Mount Kit
- 17.3 in W x 3.8 in H x 18.3 in D
- 43.8 cm W x 9.7 cm H x 46.4 cm D



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K-300i



INTEGRATED STEREO AMPLIFIER w/Optional Digital Module



Rear panel with optional Digital Module installed.

Integrated stereo amp w/optional digital module featuring a 150-watt-per channel amplifier and preamplifier utilizing Krell's iBias™ technology

Available in Silver or Black finish.

K-300i

INTEGRATED STEREO AMPLIFIER w/Optional Digital Module

DESIGN

The K-300i incorporates a newly developed amplifier circuit design with Krell iBias™ technology that delivers 150 Watts/Channel into 8Ω and 300 Watts/Channel into 4Ω. iBias provides the sonic benefits of Class A operation without the excessive heat and power consumption of traditional Class A designs.

A 771VA transformer with 80,000μF of capacitance forms a potent power supply for excellent signal control and dynamics. Krell Current Mode topology is employed with fully differential circuitry that runs from the input stage through to the last output gain stage providing an extremely linear and extended frequency response curve with smooth, effortless highs and extremely dynamic bass energy.

Packed with many of Krell's most musical-sounding technologies, the elegant chassis is living-room-friendly. Yet it has enough power to achieve incredible, lifelike dynamics with any speaker.

The front-panel menu system provides configuration features such as input trim. Theater Throughput mode lets the K-300i serve as the core of a surround-sound system without sacrificing two-channel sound quality. Analog Inputs include three stereo RCA and two stereo balanced XLR. High-quality gold-plated speaker cable terminals provide a secure, electrically ideal connection.

The K-300i also offers features that make it perfect for custom installation, such as 3.5mm jacks for IR input and 12-volt trigger input and output. Additionally, the unit has an internal web server that is optimized for tablets and provides a remote graphical user interface for convenient and intuitive control accessed through its Ethernet connection.

With the digital option installed the K-300i becomes a world class DAC with the connectivity and features to support the latest digital music formats. An ESS Sabre Pro DAC configured for high current output performs the digital to analog signal conversion for uncompromised reproduction of digital music.

A network streaming audio renderer with dedicated mobile App plays AAC, ALAC, AIFF, FLAC, WAV, WMA, and DoP files up to 192kHz/24-bit from UPnP music servers or NAS devices. The digital option also provides Spotify, vTuner Internet radio, Tidal, Deezer, and QoBuz streaming services, is Roon Ready and decodes MQA.

HDMI 2.0 inputs and output supporting 4K UHD with HDR are available for TV viewing with audiophile grade sound quality. A single USB host port is available on the front panel to play music from USB flash memory sticks and a USB device port is positioned on the rear panel for streaming music directly from a computer. The digital option also includes a Bluetooth receiver featuring Qualcomm® aptX™ audio technology for the best sound quality when connected to aptX enabled Bluetooth devices.



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MQA decoding is subject to final test and certification.

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SPECIFICATIONS

Dimensions: 17.25" (43.8cm) W x 4.11" (10.4cm) H x 18.17" (46.2cm) D

Weight: 40lb (18.2kg)

Analog Inputs:

2 Pairs Balanced via XLR
3 Pairs Single-ended via RCA

Digital Inputs:

1 Coax
1 EIAJ Optical
2 HDMI
1 USB Host/1 USB Device

Digital Outputs:

1 HDMI

Analog Outputs:

2 Pairs Gold-plated Speaker Binding Posts
1 Pair Single-ended Preamp via RCA

Control:

1 12V Trigger Input
1 12V Trigger Output
1 RCS Input
1 RS-232
1 Ethernet

Output Power:

150 W RMS per channel at 8 Ω
300 W RMS per channel at 4 Ω

Frequency Response:

20 Hz to 20kHz +0, -0.22 dB
<10Hz to 100kHz +0, -0.57 dB

Input Impedance:

Balanced: 16 kΩ
Single-ended: 8 kΩ

Total Harmonic Distortion:

<0.015%, 1kHz, 150 W, 8 Ω load
<0.08%, 20 kHz, 150 W, 8 Ω load

Signal-to-Noise Ratio:

>104 dB, wideband, unweighted, at 2V RMS in balanced, referred to full power output
>117 dB, "A"-weighted

Damping Factor:

>347, 20 Hz, referred to 8 Ω
>228, 20 Hz to 20 kHz, referred to 8 Ω



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Tel: 203-298-4000 • Fax: 203-799-9796 • Sales Dept: 203-298-4010 • contact@krellonline.com • www.krellonline.com

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SOLO 375 XD MONO POWER AMPLIFIER

KRELL
THE LEADER IN AUDIO ENGINEERING

375 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



375 Watt Mono Power Amplifier with Krell iBias
Class A Technology

SOLO 375 XD

375 WATT MONO POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 375 Watts into 8 Ohms
- 1 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 57lb (25kg)



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SOLO 575 XD MONO POWER AMPLIFIER

KRELL
THE LEADER IN AUDIO ENGINEERING

575 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



575 Watt Mono Power Amplifier with Krell iBias
Class A Technology

SOLO 575 XD

575 WATT MONO POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 575 Watts into 8 Ohms
- 1 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 68lb (30kg)



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THEATER 7

7 CHANNEL POWER AMPLIFIER

100 WATT AMPLIFIER FEATURING KRELL iBIAS TECHNOLOGY

KRELL
THE LEADER IN AUDIO ENGINEERING



100 Watt Seven Channel Power Amplifier with
Krell iBias Class A Technology

THEATER 7

100 WATT 7 CHANNEL POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers and the uncompromised dynamics of classic Krell amplifiers with greater efficiency and lower power consumption than conventional Class A amplifiers.

DESIGN

Circuitry Highlights

The amplifier design uses Krell Current Mode technology that is fully differential and discrete in the critical gain stages. This results in a highly linear and extended frequency response, well beyond the range of hearing, for smooth effortless highs and tight high impact bass.

Power Supply Highlights

The power supply consists of two 787VA toroidal transformers and 160,000uF of capacitance. This is shared among all the channels so all of that power is available to the channels with the most demand.

In real world conditions the left, right, and center channels require the lion's share of the power so this gives the Theater 7 a more effective power supply than other amplifiers that have smaller dedicated power supplies for each channel.

Feature Highlights

Network connectivity brings convenience, monitoring, and reporting to end users from any smartphone, tablet, or laptop.

Amplifier configuration options include display brightness timeout and inactivity timeout. The inactivity timeout conserves energy by placing the amplifier in stand-by when there is no signal for longer than the selected time period. Firmware updates can also be initiated directly from the web server.

Output current, fan status, and operating temperature are monitored in real time for conformance with preset limits. Any faults are reported on the front panel and also on the web server interface. Additionally, the amplifier will send notification of any operational anomalies to the e-mail addresses entered on the web server interface.

SPECIFICATIONS

- 100 Watts into 8 Ohms
- 7 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ 45 Ethernet Port
- 1 12V Trigger Input
- 7 pr 5-way binding posts
- Optional Rack Mount Kit
- 17.1 in W, 7.65 in H, 21.10 in D
- 43.4 cm W, 19.4 cm H, 53.6 cm D
- Weight: 70 lbs, 31.8 kg



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TRIO 300 XD

THREE CHANNEL POWER AMPLIFIER



300 WATT AMPLIFIER FEATURING KRELL IBIAS TECHNOLOGY



300 Watt Three Channel Power Amplifier with Krell
iBias Class A Technology

TRIO 300 XD

300 WATT THREE CHANNEL POWER AMPLIFIER

Krell iBias Class A amplifiers are the first to deliver the rich musicality of Class A amplifiers, the uncompromised dynamics of classic Krell amplifiers, with much greater efficiency than traditional Class A amplifiers.

DESIGN

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimizing heat generation.

All signal gain is realized in the current domain using discrete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.

The signal path is fully complementary and balanced. Independent complementary pre driver and driver stages for the positive and negative output transistors make the output stages extremely fast and linear.

Krell amplifiers are fully direct-coupled, with no capacitors in the audio signal path. This design gives the Krell amplifiers lower internal impedance, which allows firmer, more precise control of your speakers.

XD Explained

Krell's "XD" (Xtended Dynamics, Xtended Dimensionality, Xtended Detail) upgrade for the iBias amplifiers takes an already great sounding amplifier and raises its performance to the next level. "XD" is a classic example of Krell's continuous R&D efforts reaping benefits across multiple product lines. During the development of the K-300i Integrated Amplifier we discovered substantial sonic improvements by lowering the output impedance below traditional norms. So we applied this technique to our existing line of amplifiers and the improvement was so substantial that it required a unique designation, hence, "XD."

It was no simple matter to just lower the output impedance. This affects the amplifier's stability and transient response so each stage prior to the output stage had to be re-tuned to work optimally with the lower output impedance. This lower output impedance exerts more control over the speaker drivers and damps out unwanted vibrational modes, allowing a more accurate reproduction of the original signal.

SPECIFICATIONS

- 300 Watts into 8 Ohms
- 3 ea - Single-ended RCA and Balanced XLR Inputs
- 1 RJ45 Ethernet Port
- 1 12V Trigger Input
- WBT Speaker Binding Posts
- Optional Rack Mount Kit
- 17" (43.3cm) W x 7" (17.7cm) H x 21" (53.1cm) D
- Weight: 88lb (39kg)



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VANGUARD Universal DAC

w/Digital Preamp Option

KRELL
THE LEADER IN AUDIO ENGINEERING



Standalone DAC incorporating the latest in
digital connectivity and technology

VANGUARD Universal DAC

w/Digital Preamp Option

The Vanguard Universal DAC is the first standalone DAC from Krell in over 20 years and it reignites the Krell digital legacy incorporating the latest in digital connectivity and technology. Enabling the Preamp option from the menu will add full volume control capability and it becomes the first digital only preamplifier from Krell coupled with classic Krell analog circuitry. The Vanguard Universal DAC is a perfect centerpiece for an all digital two channel system.

DESIGN

The digital input suite includes USB, coaxial and optical digital inputs, 2 HDMI inputs and output, Ethernet music streaming controlled through dedicated iOS and Android apps; and aptX Bluetooth wireless for convenient streaming from phones, tablets and computers.

Digital to Analog conversion is performed by the 32 bit ESS9018 DAC and feeds a classic Krell balanced, fully discrete Class A circuit which is also used in the Krell Illusion II Preamplifier. Krell Current Mode technology is employed to assure unequaled signal bandwidth, enough to easily handle the latest high-resolution PCM and DSD audio sources without impacting high-frequency response and detail.

Coaxial and HDMI inputs support PCM up to 24-bit/192kHz. Optical input supports up to 24-bit/96kHz. 2 HDMI 2.0 inputs support DSD and 4K video content. HDMI output includes Audio Return Channel for use with smart TV streaming services such as Netflix, Vudu, and Pandora. USB and Network streaming support MP3, AAC, WMA, WAV(PCM), FLAC, ALAC up to 24b/192kHz.

Also included are features that make it perfect for custom installation, such as 3.5mm jacks for IR input and 12-volt trigger input and output, as well as optional rack-mount ears. Additionally, the unit can be controlled with home automation systems or the Krell web server through its Ethernet connection.

*A subscription is required for these services. Updating the digital module software may also be necessary depending on the vintage of the unit (see Krell website).

Bluetooth streaming features aptX® technology. A Bluetooth connection is a data pipeline between devices. Because the pipeline has a maximum width, it is difficult to flow large audio files through it. aptX solves the problem of sending audio wirelessly over Bluetooth by reducing the size of the audio files so they can be squeezed through the wireless pipeline without affecting sound quality. Formats supported are A2DP, AVRCP, HFP, HSP.

iOS and Android apps for control and music management include:

Roon, Tidal, and Deezer services*.

Playlist management across servers: Manage music playlists of music files stored on any server device on the network.

Playback of media files stored in PC (Windows XP/7/8), network storage, and DropBox and SkyDrive/OneDrive cloud storage.

Stream media files from a mobile device over the network to DLNA compatible audio components and smart TVs. Full search capability, playlist creation and editing.

SPECIFICATION HIGHLIGHTS

- 1 pr. balanced via XLR connectors
- 1 pr. single-ended via RCA connectors
- 1 EIAJ optical via TosLink connector
- 1 Coaxial via RCA connector
- 1ea 12V Trigger input/output
- 1 remote IR detector input via 3-conductor 3.5 mm connector
- Optional Rack Mount Kit
- 16.83 in W x 3.47 in H x 17.06 in D
- 42.76 cm W x 8.81 cm H x 43.33 cm D



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VANGUARD

KRELL
THE LEADER IN AUDIO ENGINEERING

INTEGRATED STEREO AMPLIFIER w/Optional Digital Module



Integrated stereo amp w/optional digital module
featuring a 200-watt-per channel amplifier and a
Class A preamplifier

VANGUARD

INTEGRATED STEREO AMPLIFIER w/Optional Digital Module

The Vanguard incorporates a 200-watt-per channel amplifier and a Class A preamplifier, enclosed in a chassis that borrows its design and construction from the new Krell Foundation preamp/processor, Connect stream player, Illusion preamp and iBias amplifiers. Digital support has been included with USB, HDMI, coaxial, and optical inputs as well as Ethernet audio and Bluetooth streaming.

DESIGN

The Vanguard's amplifier incorporates a massive power supply with a 750 VA toroidal transformer and 80,000 microfarads of storage capacitance. The tremendous amount of energy on tap provides 200 watts per channel into 8 ohms and 400 watts into 4 ohms. Two quiet, thermostatically controlled fans permit the use of a surprisingly compact chassis.

The preamplifier section of the Vanguard borrows its balanced, fully discrete Class A circuit concepts from Krell's top-of-the-line Illusion preamplifiers. Krell's Current Mode technology is employed to assure unequalled signal bandwidth, easily enough to handle the latest high-resolution PCM and DSD audio sources without impacting high-frequency response and detail.

Packed with many of Krell's most musical-sounding technologies, the elegant chassis is living-room-friendly. Yet it has enough power to achieve incredible, lifelike dynamics with any speaker.

The Vanguard also offers features that make it perfect for custom installation, such as 3.5mm jacks for IR input and 12-volt trigger input and output, as well as optional rack-mount ears. Additionally, the unit can be controlled with home automation systems or the Krell web server through its Ethernet connection.

The front-panel menu system provides configuration features such as input naming and input trim. Theater Throughput mode lets the Vanguard serve as the core of a surround-sound system without sacrificing two-channel sound quality. Analog Inputs include three stereo RCA and one stereo balanced XLR. High-quality WBT speaker cable terminals provide a secure, electrically ideal connection.

The Vanguard also offers features that make it perfect for custom installation, such as 3.5mm jacks for IR input and 12-volt trigger input and output, as well as optional rack-mount ears. Additionally, the unit can be controlled with home automation systems through its Ethernet connection.

A key option for the Vanguard is the digital module, which includes USB, HDMI inputs and output, coax and optical digital inputs; Ethernet music streaming controlled through dedicated iOS and Android apps: *Roon, Tidal, and Deezer services; and Bluetooth wireless for convenient streaming from phones, tablets and computers.**

- Coaxial and HDMI inputs support PCM up to 24-bit/192kHz
- Optical input up to 24-bit/96kHz
- HDMI inputs support DSD and 4K video content. HDMI output supports Audio Return Channel (ARC)
- USB and Network streaming support MP3, AAC, WMA, WAV(PCM), FLAC, ALAC up to 192kHz
- Bluetooth streaming supports A2DP, AVRCP, HFP, HSP

**A subscription is required for these services. Updating the digital module software may also be necessary depending on the vintage of the unit (see Krell website).*

SPECIFICATION HIGHLIGHTS

- 1 pr. balanced via XLR connectors
- 3 pr. single-ended via RCA connectors
- 1 pr. speaker outputs via WBT gold-plated binding posts
- 1ea 12V Trigger input/output
- 1 remote IR detector input via 3-conductor 3.5 mm connector
- Optional Rack Mount Kit
- 17.1 in W x 4.15 in H x 17.5 in D
- 43.4 cm W x 10.5 cm H x 44.5 cm D



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