

# 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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### 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 RC5 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

# KRELL

THE LEADER IN AUDIO ENGINEERING

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