KRELL

THE LEADER IN AUDIO ENGINEERING

CHORUS 7200

200 Watt Multi Channel 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, and the efficiency and low power consumption of Class G and H amplifiers.

Circuitry Highlights

Krell iBias Class A technology allows our latest amplifiers to run in full Class A mode to full power while minimiz· ing heat generation.
All signal gain is realized in the current domain using dis- crete, proprietary, multiple-output current mirrors with extraordinary open loop linearity. There are no generic integrated circuits or op amps used anywhere.
Current mirrors in the final gain stages use a new output power device that operates at a 73% higher voltage, delivers almost 10% more current, and offers 120 watts of additional power handling capability as compared to previous devices.
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 capaci- tors 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

One 750VA toroidal transformer feeds 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 sup- ply 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 lap- top.
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.
Excessive current, output DC, fan speeds, short circuit, and overheating are all monitored in real time.
Messages are displayed on the front panel and reported on the web server interface. Additionally. end users can be sent an email notifying them of any operational anomalies.

Specifications

Frequency Response	:	20 Hz to 20 kHz +0, -0.08 dB
	:	0.5 Hz to 100 kHz +0, -3 dB
Signal-to-noise ratio	:	>95 dB, wideband, unweighted, referred to full power output
	:	>115 dB, "A"-weighted
Gain	:	26.2 dB
Total Harmoni distortian	:	<0.04% at 1 kHz, at 200 W, 8 Ω
	:	<0.15% at 20 kHz, at 200 W, 8 Ω
Input Impedence	:	Single-ended: 100 kΩ
	:	Balanced: 200 kΩ
Input Sensitivity	:	Single-ended or balanced: 1.96 V RMS
Ouptut Power	:	200 W RMS at 8 Ω
	:	360 W RMS at 4 Ω
Output Voltage	:	113 V peak-to-peak
	:	40 V RMS
Output Cuttent	:	13.4 A peak
Slew Rate	:	40 V/µs
Output Impedance	:	<0.038 , 20 Hz to 20 kHz
Damping Factor	:	>210, 20 Hz to 20 kHz, referred to 8 W
Power Conusmption	:	Standby: 1 W
	:	Idle: 255 W
	:	Maximum: 2800 W
Heat Output	:	Standby: 3.4 BTU/hr.
	:	Idle: 873 BTU/hr.
	:	Maximum: 9590 BTU/hr.
Inputs	:	7 single-ended via RCA connector
	:	7 balanced via XLR connector
Outputs	:	7 pairs binding posts
Dimensions	:	17.1 in. W x 7.65 in. H x 21.10in. D
	:	434 mm W x 194 mm H x 536mm D
Weight	:	110 lbs, 50 kg (shipping)
	:	100 lbs, 45.4 kg (unit only)