

EVOLUTION 400

MONAURAL POWER AMPLIFIER

KRELL
THE LEADER IN AUDIO ENGINEERING



**A new compact chassis combining
all the high power, wide bandwidth, and low
noise characteristics designed into every
Evolution Series amplifier.**

The Krell Evolution 400 Monaural Power Amplifier
is available in luxurious silver
or black anodized finish.

EVOLUTION 400

MONAURAL POWER AMPLIFIER

DESIGN

An enormous power supply consisting of a massive 3 kW toroidal transformer, four 35 amp bridge rectifiers, and 110,000 microfarads of filter capacitance allow the active cascode output stage to double its power from 8 to 4 Ohms, and again from 4 to 2 Ohms, enabling the Evolution 400 to deliver the power and finesse one expects from Krell amplification. A second low current transformer stabilizes voltage for ultra-quiet operation. Internal high current line conditioning circuitry filters RF noise on the AC Mains and compensates for asymmetric power waveforms and DC on the AC Mains.

A unique push-pull driver stage configuration resembling a miniature output stage actually powers the speaker load when the audio signal is at the zero-crossing point. Notch distortion is effectively eliminated,

maintaining the benefits of Class A operation with the efficiency of an A/B design. A low feedback topology; only 8 dB of nested local feedback is utilized and no global feedback is used. Protection circuitry continuously monitors all amplifier operations.

Balanced and single-ended inputs are standard along with Evolution CAST™. CAST stands for Current Audio Signal Transmission. Evolution CAST is a proprietary method of sending the audio signal between components in the current domain, from a high impedance transmitter to a low impedance receiver. Krell components connected in Evolution CAST act together as an electrically unified whole, free from the deleterious effects normally inherent in connecting cables operating in the voltage domain.

FEATURES

- **Monaural Power Amplifier**
 - **400 W, 800 W, 1600 W (8, 4, 2 Ohms)**
 - **3 kW Toroidal Transformer**
 - **Krell Current Mode™**
 - **Active Cascode Topology™**
 - **Evolution CAST™ Input**
 - **12 VDC Triggers**
 - **14.3 W, 9.8 H, 18.8 D, in. 36.3 W, 24.9 H, 47.8 D, cm**
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Krell Industries, Inc.

45 Connair Road • Orange, CT 06497-3697 USA

Tel: 203-298-4000 • Fax: 203-799-9796 • Sales Fax: 203-891-2028

contact @krellonline.com • www.krellonline.com

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

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