

# 2006

FULL LINE BROCHURE



**KRELL**  
THE LEADER IN AUDIO ENGINEERING

# EVOLUTION ONE AND TWO



Expressed through a combination of breakthrough technologies and inspired vision, the Evolution power amplifier and preamplifier culminate more than 25 years of industry leading audio design. The Krell badge is synonymous with music reproduction that fills a room with intoxicating detail and startling dynamics. Like live music, this effortless power and instant response elicit a visceral response that heightens the senses. Yielding phenomenal power in the most refined manner imaginable, the Evolution system is a synthesis of almost impossible contradictions; a unique blend of beauty, grace, and power.

## Evolution One Amplifier

The Evolution One amplifier is the result of Dan D'Agostino's unrelenting pursuit of the most realistic musical reproduction possible in one's home. Immensely powerful, the Evolution One is a monaural design that features a separate power supply for each channel. Stunning aesthetics hint at the advanced amplifier circuitry housed within its walls. The 450 watt Class A circuitry features the latest advancements in Krell amplifier design including the proprietary Krell Current Mode topology and the latest versions of Krell CAST and Sustained Plateau Bias.

450 W, 900 W, 1800 W (8, 4, 2 Ohms)

Amplifier chassis:

15.8 in. x 6.2 in. x 21.5 in. / 40 cm x 15.8 cm x 54.7 cm

58 lbs. / 26.4 kg

Power supply chassis:

15.8 in. x 6.4 in. x 20.5 in. / 40 cm x 16.1 cm x 52.2 cm

107 lbs. / 48.6 kg

## Evolution Two Preamplifier

The Evolution Two preamplifier is the ultimate expression of Krell preamplifier technology. A monaural preamplifier with a separate power supply, the Evolution Two is capable of rendering a near lifelike soundstage with stunning detail and presence. The balanced, zero feedback, Krell Current Mode and CAST circuits result in a two megahertz open loop bandwidth that guarantees near perfection in the critical listening spectrum.

Preamplifier only:

17.3 in x 3.7 in x 18.5 in. / 43.9 cm x 9.5 cm x 47 cm

21 lbs. / 9.5 kg

Power supply only:

17.3 in x 3.7 in x 17.3 in. / 43.9 cm x 9.5 cm x 43.8 cm

31 lbs. / 14 kg

*All Evolution Series components are available in diamond-cut silver, and a luxurious black finish.*

Component dimensions are described by width x height x depth. All power ratings are per channel.

*On the cover: Evolution 600 and Evolution 402 Power Amplifiers in diamond-cut silver finish, in the operational mode.*

# EVOLUTION SERIES



**Evolution 900**  
**Monaural Power Amplifier**  
 900 W, 1800 W (8, 4 Ohms)  
 Evolution CAST, Krell Current Mode topology, Active Cascode Topology  
 17.3 x 9.8 x 26 in.  
 43.9 x 24.8 x 66 cm



**Evolution 600**  
**Monaural Power Amplifier**  
 600 W, 1200 W (8, 4 Ohms)  
 Evolution CAST, Krell Current Mode topology, Active Cascode Topology  
 17.3 x 9.8 x 22 in.  
 43.9 x 24.8 x 55.9 cm



**Evolution 403**  
**Three-channel Power Amplifier**  
 400 W, 800 W (8, 4 Ohms)  
 Evolution CAST, Krell Current Mode topology, Active Cascode Topology  
 17.3 x 9.8 x 26 in.  
 43.9 x 24.8 x 66 cm



**Evolution 402**  
**Stereo Power Amplifier**  
 400 W, 800 W (8, 4 Ohms)  
 Evolution CAST, Krell Current Mode topology, Active Cascode Topology  
 17.3 x 9.8 x 22 in.  
 43.9 x 24.8 x 55.9 cm



**Evolution 505**  
**SACD/CD Player**  
 Krell-designed DAC reconstruction filters, Evolution CAST, Krell Current Mode topology, balanced circuitry, multi-channel output, RS-232 control, 12 VDC trigger.  
 17.3 x 6.3 x 17.3 in.  
 43.9 x 15.9 x 43.8 cm



**Evolution 525**  
**Progressive DVD/SACD/CD Player**  
 1080p output via HDMI™, adaptive contrast enhancement, intelligent color remapping, frame-rate conversion, Evolution CAST, Krell Current Mode topology, balanced circuitry, RS-232 control, Crestron I²P, 12 VDC trigger.  
 17.3 x 6.3 x 17.3 in.  
 43.9 x 15.9 x 43.8 cm



**Evolution 707**  
**Surround Sound Preamp/Processor**  
 Two zone preamp/processor with 8.4 total channels, individual 24-bit/192 kHz digital-to-analog converters, Analog Throughput, HDMI switching, 12-channel digital room EQ, RS-232 control, 12 VDC triggers, Evolution CAST, Krell Current Mode topology, balanced circuitry, software upgradeable via flash memory.  
 17.3 x 9.8 x 22 in.  
 43.9 x 24.8 x 55.9 cm



**Evolution 202**  
**Stereo Preamplifier**  
 Evolution CAST, Krell Current Mode topology, balanced circuitry, menu display with remote control, separate power supply, RS-232, Theater Throughput.  
 17.3 x 7.6 x 18.3 in.  
 43.9 x 19.3 x 46.4 cm



**Evolution 222**  
**Stereo Preamplifier**  
 Evolution CAST, Krell Current Mode topology, balanced circuitry, menu display with remote control, RS-232, Theater Throughput.  
 17.3 x 3.8 x 18.3 in.  
 43.9 x 9.7 x 46.4 cm

Component dimensions are described by width x height x depth. All power ratings are per channel.

*All Evolution Series components are available in silver and a luxurious black finish.*

# KAV HOME THEATER

Krell KAV Series home theater and stereo products incorporate the core elements of Krell engineering to deliver the exceptional

quality and performance demanded by today's dynamic market.



### Home Theater Standard 7.1 Surround Sound Preamp/Processor

Two zone preamp/processor with Class A preamp circuitry, Krell Current Mode topology, wideband balanced audio circuitry, Analog Throughput, wideband component video circuitry, Smart System Setup, 8-channel digital room EQ, bi-directional RS-232 control, Crestron I<sup>2</sup>P, 12 VDC triggers, software upgradeable via flash memory.

17.3 x 5.7 x 16.3 in., 43.9 x 14.4 x 41.4 cm  
30 lb. / 13.6 kg



### Theater Amplifier Standard

200 W, 400 W, 800 W (8, 4, 2 Ohms) Krell Current Mode topology, balanced inputs, bridgeable, 12 VDC trigger, surface mount technology, DB-25 input.

17.3 x 9.8 x 17.0 in.  
43.9 x 24.9 x 43.2 cm  
100 lb. / 45.4 kg



### KAV-3250 Three-channel Power Amplifier

250 W, 500 W (8, 4 Ohms) Krell Current Mode topology, balanced inputs, bridgeable, 12 VDC trigger, surface mount technology.

17.3 x 5.7 x 17 in.  
43.9 x 14.4 x 43.2 cm  
68 lb. / 30.9 kg



### Showcase DVD Progressive DVD/CD Player

480p / 720p / 1080i HDMI digital video output stage (optional), Krell high bandwidth circuit architecture, Krell Current Mode topology, discrete Class A balance outputs, RS-232, 12V trigger.

17.3 x 3.5 x 17 in.  
43.9 x 8.9 x 43.2 cm



### Showcase Surround Preamp/Processor

Advanced preamp/processor with complete 7.1 processing, Class A preamp circuitry, Smart System Setup, stereo and multichannel Analog Throughput, balanced inputs/outputs, 8-channel digital room EQ, wideband component video circuitry, bi-directional RS-232 control, Crestron I<sup>2</sup>P, 12 VDC triggers. Software upgradeable via flash memory.

17.3 x 5.7 x 16.3 in.  
43.9 x 14.4 x 41.4 cm  
19.3 lb. / 8.8 kg



### Showcase Multichannel Amplifier

125 W, 250 W (8, 4 Ohms) Krell Current Mode topology, balanced inputs, 12 VDC trigger, surface mount technology. Available in 5-channel, 6-channel, and 7-channel configurations.

17.3 x 5.7 x 19.6 in.  
43.9 x 14.4 x 49.8 cm  
Showcase 5: 56 lb. / 25.3 kg  
Showcase 6: 58 lb. / 26.2 kg  
Showcase 7: 60 lb. / 27.1 kg

All KAV Series components are available in Krellcoat, and a luxurious black finish.

# KAV STEREO

# UNIQUE



### **KAV-232** **SCD Standard** **SACD/CD Player**

Krell-designed DAC reconstruction filters, Krell Current Mode topology, discrete Class A balanced output, multi-channel output, chassis-in chassis construction, RS-232, 12 VDC trigger.

17.3 x 5.7 x 17 in. / 43.9 x 14.4 x 43.2 cm  
25 lb. / 11.4 kg



### **KAV-280p** **Remote Control Preamplifier**

Krell Current Mode topology, balanced inputs and outputs, surface mount technology, custom machined volume knob, Theater Throughput, remote control, 12 VDC trigger.

17.3 x 3.5 x 17.3 in. / 43.9 x 8.9 x 43.9 cm  
16.0 lb. / 7.3 kg



### **KAV-400xi** **Integrated Amplifier**

200 W, 400 W (8, 4 Ohms)  
Krell Current Mode topology, Theater Throughput, remote control, balanced inputs, custom-machined volume knob, 12V trigger.

17.3 x 3.5 x 17 in. / 43.9 x 8.9 x 43.2 cm  
30 lb. / 13.6 kg



### **KAV-2250** **Stereo Power Amplifier**

250 W, 500 W (8, 4 Ohms)  
Krell Current Mode topology, balanced inputs, bridgeable, 12 VDC trigger, surface mount technology.

17.3 x 5.7 x 17 in. / 43.9 x 14.4 x 43.2 cm  
60lb. / 27.3 kg

## FBI



### **Fully Balanced Integrated Amplifier**

300 W, 600 W (8, 4 Ohms)  
Theater Throughput, Evolution CAST, Krell Current Mode topology, balanced circuitry, remote control, custom-machined volume knob, 12 VDC trigger.

17.3 x 10.3 x 20.5 in.  
43.9 x 26 x 52.1 cm

## ACCESSORIES



### **Universal Krell Touch Screen Remote**

universal learning remote control is preprogrammed for Krell products. Custom macros and user-defined pages are supported. Light-sensitive, backlit display. Rechargeable batteries and charger included. 2 x 8.7 x 1 in. 5.1 x 22 x 2.5 cm, .5 lb. / .22 kg

### **CAST Cables**

Krell CAST cables are terminated with very high quality LEMO locking connectors. Available in 1, 2, 5, and 10 meter pairs. Custom lengths upon request.

# LAT 1000 SERIES

## The Lossless Acoustic Transducer (LAT)

**Series** of loudspeakers share a number of advances that result in their tremendous sound quality. Fabricated from 1-1/2" of solid aluminum, the LAT cabinet is the most inert enclosure possible. The curved cabinet construction eliminates internal standing waves and external high frequency diffraction. Custom-made gold plated brass binding posts are included for maximum signal transfer.

The crossovers feature amplifier grade circuitry for maximum power handling and unrestricted dynamics. Individually printed circuit boards are fashioned from 1/8" glass epoxy, with four ounce copper traces for superior current flow. Air core inductors and banks of potted WIMA capacitors guarantee high linearity during high power output.

The tweeter is a waveguide design, devoid of ultrasonic resonance with a response flat to 50 kHz. A magnesium cone driver with a copper phase plug reduces resonance and reflections in the midrange drivers while increasing output capability. Custom-designed aluminum woofers are made exclusively for Krell and are optimized for the LAT enclosure.

### LAT-1000 Loudspeaker

A three-way floor standing loudspeaker with three, 8" custom made aluminum cone woofers, two 5.25" magnesium cone midrange drivers, and a 1" neodymium tweeter for lower distortion playback. A special aluminum sub-enclosure houses the midrange and tweeter, isolating them from the main cabinet. Crossover circuitry is divided among three assemblies – one each for the woofer, midrange, and tweeter networks. The massive, tuned bass port, 30" long, with a volume greater than 300 cubic



LAT-1000 Loudspeaker

inches lowers the bass frequency response by 1/3 octave. Articulating spikes allow precise leveling for the most accurate imaging.

Sensitivity: 89dB (2.83V @ 1m)

3 Ohms nominal impedance

Frequency response:

28 Hz-30 kHz +/- 3dB

14.7 x 54.6 x 14.7 in.

37.3 x 138.7 x 37.3 cm

250 lb. / 113.6 kg

### LAT-2000 Loudspeaker

A two-way loudspeaker with one 7" woofer and the same 1" neodymium tweeter as in the LAT-1000 in a dual port configuration. Individual high current crossover assemblies for the woofer and tweeter networks insure immunity from interference between driver elements. Optional metal stands are available and are acoustically and aesthetically matched to the LAT-2000.

Sensitivity: 88 dB, 4 Ohms nominal impedance

Frequency response: 45 Hz-30 kHz +/- 3dB

10.4 x 14.0 x 14.0 in. / 26.4 x 35.6 x 35.6 cm, 78 lb. / 35.5 kg

### LAT-C1000 Loudspeaker

A three-way center channel loudspeaker voiced to be a perfect match for the LAT-1000. The LAT-C1000 features the same drivers as the LAT-1000 in the following configuration: two 8" woofers, two 5.25" midranges, and one tweeter. Multi-position stand provides flexibility in placement.

Sensitivity: 87 dB, 3 Ohms nominal impedance

Frequency response: 50 Hz-30 kHz +/- 3 dB

40.9 x 16.0 x 17.0 in. / 104.0 x 40.6 x 43.2 cm, 200 lb. / 91 kg

*All LAT 1000 Series loudspeakers are available in silver, and a luxurious black finish.*

# MASTER REFERENCE SUBWOOFER



The Master Reference Subwoofer is without peer among low-end transducers. With a specially tuned, 2600 Watt Krell amplifier at its heart, the Master Reference Subwoofer is capable of devastating bass reproduction. Its 1" thick aluminum housing is impeccably finished and loaded with two 15" high-excursion drivers. Equipped with a Krell designed, active, fully programmable built in crossover, the Master Reference Subwoofer is at home in the most exotic music and home theater systems alike.

Frequency Response: 20 Hz-100 Hz +/- 0.6 dB, -3 dB @ 14 Hz

18.8 x 20.1 x 28.5 in. / 47.8 x 51.1 x 72.4 cm

396 lb. / 180 kg

*Available in a luxurious black finish.*

Component dimensions are described by width x height x depth. All power ratings are per channel.

# RESOLUTION SERIES



## Resolution 1 Loudspeaker

A four-way floor standing loudspeaker with two 10" aluminum cone woofers, one 8" mid-woofer with magnesium cone, one 4" midrange with polypropylene cone, and one 1" dual-concentric ring tweeter with integral waveguide. A sub-enclosure houses the mid- and high frequency drive elements. Krell high-current crossover featuring 1/8" glass epoxy circuit boards used throughout. Sensitivity: 90 dB SPL (2.83 V @ 1m), 4 Ohm nominal impedance  
Frequency response: 25 Hz-22 kHz +/- 3 dB  
13.2 x 58.0 x 19.7 in.  
33.5 x 147.3 x 50.0 cm, 195 lb. / 88.2 kg

## Resolution 2 Loudspeaker

A three-way floor standing loudspeaker with two 8" woofers, one 6.5" midrange driver, and one 1" dual-concentric ring tweeter with integral waveguide. A sub-enclosure houses the mid- and high frequency drive elements. Krell high-current crossover featuring 1/8" glass epoxy circuit boards used throughout.  
Sensitivity: 89 dB SPL (2.83 V @ 1m), 4 Ohm nominal impedance. Frequency response: 28 Hz-22 kHz +/- 3dB  
11.6 x 48.0 x 19.7 in.  
29.5 x 121.9 x 50.0 cm, 140 lb. / 63.3 kg

*Spikes are included with Resolution 1 and Resolution 2 loudspeakers, and the Resolution Subwoofer.*

**The Krell Resolution Series Loudspeakers** apply the same technology and design principles that are the foundation of the LAT Series. The combination of state-of-the-art



## Resolution 3 Loudspeaker

A two-way bookshelf loudspeaker with one 8" mid-bass driver with a magnesium cone, and one 1" dual-concentric ring tweeter with integral waveguide. Krell high-current crossover featuring 1/8" glass epoxy circuit boards used throughout. Sensitivity: 88 dB SPL (2.83 V @ 1m), 4 Ohm nominal impedance. Frequency response: 45 Hz-22 kHz +/- 3 dB, 11.3 x 16.0 x 16.7 in.  
28.7 x 40.6 x 42.4 cm, 45 lb. / 20.4 kg

## Resolution C Loudspeaker

A three-way center channel loudspeaker with two 8" woofers, one 4" midrange, and one 1" dual-concentric ring tweeter with integral waveguide. A sub-enclosure houses the mid- and high frequency drive elements. Krell high-current crossover featuring 1/8" glass epoxy circuit boards used throughout.



components, extremely efficient, well designed crossover networks, and beautifully crafted cabinets create a unique loudspeaker series, unlike any before.



## Resolution C Loudspeaker, continued

Sensitivity: 89 dB SPL (2.83 V @ 1m), 4 Ohm nominal impedance  
Frequency response: 48 Hz-22 kHz +/- 3dB  
32.0 x 12.3 x 16.7 in.  
81.3 x 31.2 x 42.4 cm, 90 lb. / 40.7 kg



## Resolution 4 Loudspeaker

A two-way on-wall loudspeaker with one 6.5" mid-woofer with magnesium cone, and one 1" dual concentric ring tweeter with integral waveguide. Krell high-current crossover featuring 1/8" glass epoxy circuit boards used throughout. Mounting hardware is included. An Omni Mount 30 adaptor is available. Sensitivity: 87 dB SPL (2.83 V @ 1m), 4 Ohms nominal impedance  
Frequency response: 55 Hz-22 kHz +/- 3dB, 9.65 x 16.93 x 5.00 in., 24.4 x 42.3 x 12.7 cm  
21 lb. / 9.5 kg



## Resolution Subwoofer

A powered subwoofer with one 15" polypropylene cone bass driver in a sealed enclosure. A purpose-built 800 W Krell Amplifier provides a peak output of 117 dB @ 1m. Frequency response: 25 Hz-200 Hz +/- 3 dB, 20.5 x 22.5 x 23.8 in  
52.0 x 57.0 x 60.5 cm, 110 lb. / 49.8 kg

*All Resolution Series loudspeakers are available in an elegant cherry and a luxurious black finish.*



**Krell Industries, Inc.** designs and manufactures high performance audio and video equipment for serious music enthusiasts and home theater aficionados. Every Krell component is a unique synthesis of science and art that allows for unmatched sonic realism. Recorded performances are, by their very nature, works borne of passion. Our goal is to bring that passion to life in your home.

**Evolution One** and **Evolution Two**

components represent the supreme realization of Krell design and engineering expertise. The Evolution One Monaural Power Amplifier and the Evolution Two Monaural Preamplifier are the result of over 25 years in the pursuit of the ultimate listening experience. The formidable engineering efforts required to bring these two new products into existence extend throughout the entire Krell product line. Each component delivers unparalleled performance in its given category.

**Evolution Series** components are derived from the laborious engineering efforts that went into designing the Evolution One and Two. Exacting power amplifier design has been a Krell tradi-

tion since the company's inception in 1980. The new "Active Cascode Topology" employed in the Evolution Series dramatically reduces distortion yielding unprecedented clarity and authenticity in music reproduction.

**KAV Theater Series** and **KAV Stereo Series** components incorporate the core elements of Krell engineering. The KAV components deliver impeccable performance and outstanding value for contemporary home entertainment systems.

**LAT-1000 Series** loudspeakers provide the dynamics and sheer force of live music. The elegant all-aluminum enclosure houses a high current crossover and custom driver array with styling that complements any décor. **Resolution Series** loudspeakers bring the outstanding LAT-Series technologies to wider range that includes floor standing, bookshelf, and on-wall loudspeakers.

**The Krell Vision** brings a high level of passion and performance to a wide range of products. Year after year, Krell components reproduce the definitive music and home theater experience—based on the principles of innovative engineering, impeccable build quality, and unerring accuracy in sonic reproduction.

Thank you for your interest in Krell products,

Dan D'Agostino  
C.E.O. and Chief Designer

# TECHNOLOGIES & INNOVATIONS

**Krell Architech Construction**

Krell Architech construction is a Krell mechanical design criterion that ensures each Krell product meets the highest standards of structural integrity. Chassis material of robust, heavy gauge aluminum provides long life and durability as well as a distinctive look and feel. High tolerance machining and liberal use of robust fasteners reduce or eliminate undesirable vibrations. Built to last a lifetime, Krell products with Architech construction enhance your listening experience every time you use them.

**Krell Evolution CAST**

Evolution CAST, Current Audio Signal Transmission, is a Krell proprietary technology for connecting analog components that provides the most accurate signal transfer from one component to the next. It utilizes the sonic purity of current and eliminates signal degradation caused by cable interaction while transmitting signals in the voltage domain.

**Krell Current Mode**

A topology designed by Krell and used in amplifier, preamplifier, and source components circuitry to ensure accurate signal reproduction. Realizing the entire design in the current domain eliminates the sonic degrading nature of circuit boards and increases the overall bandwidth. All Krell components have a bandwidth greater than 300 KHz. The greater bandwidth results in the near flawless reproduction in the audible range.

**Theater Throughput**

The unique Theater Throughput feature facilitates easy integra-

tion of Krell stereo preamplifiers and integrated amplifiers into home theater systems. In Theater Throughput mode, the main output signal from an external surround sound processor bypasses the volume and balance controls, providing a direct connection to the amplifiers powering the front left and right speakers.

**Krellcoat Finish**

For over 25 years, Krell has been designing components that set the standard not only for audio engineering but also for innovative aesthetic design. Krell's experience and knowledge has been distilled into a new process called Krellcoat finish. Krellcoat finish gives Krell components a look that is timeless, with a feel that is inviting and built to last.



The design philosophy of HEAT, High End Audio Theater, begins with the technologies that have made our stereo components world class, and applies those technologies to the home theater experience. Krell uses the most advanced technology available to combine the traditional stereo goals of resolution, bandwidth, and imaging with the great dynamics, detail, and impact associated with movie soundtracks. A **KrellHEAT** system consists of a Krell DVD player, a high performance Krell preamplifier/processor, multiple channels of Krell amplification, and Krell loudspeakers. Together, there is an incredible synergy of all the pieces playing in one voice, a whole that is definitely greater than the sum of its parts.