

an evolution in sound technology
from the leader in audio engineering



The Evolution One Monaural Power Amplifier

- Newly redesigned Evolution Plateau Bias System features 12 individual bias levels for optimum performance and efficiency.
- A proprietary bias monitor continuously measures and adjusts the output stage bias, insuring a lifetime of accuracy.
- Housed in a separate chassis, the power supply makes use of extensive electrical and magnetic shielding to keep radiated interference out of critical amplifier circuits.
- Internal high current line conditioning circuitry filters RF noise on the AC mains, as well as compensating for asymmetric power waveforms and DC on the mains.
- Advanced microprocessor control monitors critical operational parameters.
- Bias, load impedance, regulator output voltages and operating temperature are all continuously monitored.
- All signal gain is realized in the current domain using proprietary multiple-output current mirrors with extraordinary open loop linearity.
- The signal path is fully complementary and fully balanced from input to output, featuring Krell Current Mode and CAST circuitry.
- The amplifier employs no global negative feedback, and the final gain stages use only 8 dB of local, nested, negative feedback. This is one five-hundredth the amount used in most solid-state power amplifiers. The result is an extraordinarily open, liquid, effortless sound.
- The rails powering the amplifier is low level and gain stages are regulated twice for total immunity from fluctuations in the AC mains and virtually noise-free output.
- All the regulators are located in the amplifier chassis to provide ultra low impedance supply rails for the audio circuitry.
- Offered in diamond-cut silver or luxurious black finish.



The Evolution Two Monaural Preamplifier

- Two megahertz open loop bandwidth in a zero feedback, balanced, Krell Current Mode and CAST circuitry design.
- To eliminate loading effects, single-ended and balanced voltage inputs drive a dynamically cascoded JFET buffer, which has tremendous open-loop linearity and very high input impedance.
- All signal gain is realized in the current domain using proprietary multiple-output current mirrors with nearly 500 times the open loop linearity of other designs.
- Negative feedback is not used anywhere in the preamp because it is not necessary. Openloop distortion is typically less than 0.005% (50 parts per million).
- The volume control is realized with a 16-bit balanced resistor ladder — bandwidth and transient response of the preamp circuitry are virtually unaffected by the volume setting.
- Housed in a separate chassis, the power supply makes use of extensive electrical and magnetic shielding to keep radiated interference out of critical preamplifier circuits.
- Each monaural preamplifier has a power supply capability equivalent to many stereo power amplifiers.
- A 170 VA toroidal transformer drives four 8-amp bridge rectifiers and 39,600 microfarads of filter capacitance.
- A new Krell-designed digital control circuit monitors and optimizes the preamplifier's operating parameters.
- Any number of preamplifiers may be linked and controlled from a single master, making high quality, multi-channel audio systems a reality for the first time.
- Offered in diamond-cut silver or luxurious black finish.

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into the
blue



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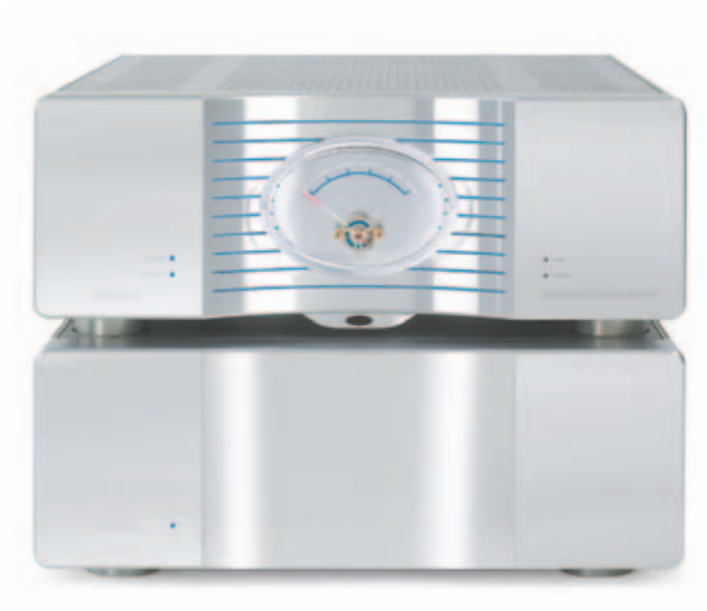
evolution series

stunning detail

The Evolution Series culminates more than two decades of cutting edge audio design. When envisioning Evolution, Krell had one solitary goal - to hand craft a preamplifier and power amplifier that, simply put, were the best sounding products ever built. The result is a synthesis of almost impossible contradictions; a unique blend of beauty, grace, and the effortless power synonymous with the Krell name.

Ferrari and Cartier say you enjoy luxury and know quality.

Krell says you never compromise.



Evolution One Amplifier

The Evolution One is a Class A, 450-watt monaural amplifier that utilizes proprietary current gain topologies from input to output allowing the audio signal to remain in the current domain throughout the entire amplifier thereby avoiding unnecessary current to voltage conversions that add distortion, require heavy feedback and severely limit bandwidth. The Evolution One circuitry is virtually devoid of feedback and sports a bandwidth an order of magnitude greater than any conventional design. Coupled to this circuitry is a power section that is virtually limitless in its capability to drive any speaker to its full potential. With all of this unrestricted power on tap, the Evolution One employs advanced microprocessors that constantly monitor operating conditions and can automatically adjust the operating parameters or shut the amplifier down to prevent damage to the input stages or loudspeakers. \$50,000.



Evolution Two Preamplifier

The Evolution Two monaural preamplifier is a Class A design that was built to absolute perfection inside and out. The audio signal path operates in full balanced mode from input to output and the proprietary Krell CAST inputs further ensure absolute integrity of the audio signal. Nothing was overlooked when designing the Evolution Two; not even the volume control that features a 16-bit balanced resistor ladder which uses low-resistance, high-linearity solid-state switches and discrete precision resistors for the purest line stage possible. Although the Evolution Two embraces the simplistic pleasures of a high-end two channel preamp, it also features sophisticated RS-232, IR and 12-volt controls for better integration into a state-of-the-art home environment. \$40,000.

near perfection

KRELL