



K R C - 3

R E M O T E

C O N T R O L L E D

P R E A M P L I F I E R



THE NEED FOR HIGH PERFORMANCE LINE LEVEL PREAMPLIFICATION IS OFTEN MISUNDERSTOOD. FREQUENTLY HEARD IS THE IDEA THAT THE PREAMP IS AN OUTDATED CONCEPT AND NO LONGER A REQUIRED PART OF A HIGH END AUDIO SYSTEM. HOWEVER, THE TRUTH IS THAT IN ORDER TO RECREATE MUSIC, AN AUTHORITATIVE SIGNAL MUST BE DELIVERED TO THE AMPLIFIER TO CONTROL DYNAMIC ATTACK AND ACCURATELY RENDER ALL TONAL, SPATIAL AND TEXTURAL CUES. THIS CANNOT BE ACCOMPLISHED WITH PASSIVE ATTENUATORS OR THE MERE ADDITION OF A VOLUME CONTROL TO A SOURCE COMPONENT'S OUTPUT. WHAT IS REQUIRED IS A DEDICATED COMPONENT DESIGNED TO ACCOMPLISH THIS SPECIFIC TASK.

The KRC-3 was developed in typical Krell fashion: New technology was integrated with traditional techniques to create a product of stunning sonic quality. The exceptional performance of the KRC-3 can be focused on several key attributes, some of which are directly attributable to a new technology, current mode gain.

- Current mode circuit design gives the KRC-3 superb leading edge response for accurate spatial placement and low frequency authority.
- It also provides very high transient speed to convey realistic presence and all fine shadings of the sound stage.
- The classic Krell power supply provides ample voltage swing to recreate the natural dynamic attacks present in all types of music.
- The signal path, typical of all Krell circuit designs, is free of circuit obstructions that color or alter the music.

CURRENT MODE DESIGN

Part of the secret behind the KRC-3's tremendous resolution of detail is its current mode design. This represents a technological leap in audio engineering and is unique to Krell. This technique unites extremely fast transient response with near perfect linearity, two design goals which had been mutually exclusive. Consequently, the KRC-3 unveils the natural staging, textures, and impact masked by less capable designs.

CORE TECHNOLOGIES

In keeping with classic Krell engineering, all of the KRC-3's gain and supply regulation stages operate in pure Class A for maximum linearity and accuracy. Gain stages are complementary, push-pull topologies, which provide separate, mirror image circuitry for positive and negative portions of the audio signal. This prevents nonlinear degradations that occur when gain devices are used to amplify both halves of the signal.

Capacitors have intrinsic characteristics that degrade low frequency response, image clarity, and transient impact. By virtue of its direct-coupled design, all capacitors are removed from the signal path, allowing the KRC-3 to transfer the complete scope of musical information from the source component to the power amplifier.

VOLUME CONTROL

It is commonly accepted that the best way to perform accurate attenuation is one step at a time with individual resistors, as opposed to using a variable resistor, or potentiometer. Pots are yet another source of unwanted inductance and capacitance that can alter the signal and cause ringing, especially at low and moderate levels. The KRC-3 is built with the identical volume control system developed for our KRC-HR preamp. This attenuator switches mil-spec, fixed value resistors with a digitally controlled network of relays to provide over 300 discrete steps of attenuation. The result is a remarkably clean signal path and an ideal logarithmic taper perfectly suited to music listening.

SWITCHING & REMOTE CONTROL

To combine signal integrity with convenience, all switching functions are accomplished by precision relays, rather than by less expensive, sonically disastrous methods.

Included with the KRC-3 is a full function remote control that also addresses Krell CD players and amplifiers. Built to the same standards as our products themselves, the remote is machined from a solid aluminum block: hand-brushed, black anodized, and computer engraved - a perfect extension of the KRC-3 itself.

THE POWER OF MUSIC

One of the remarkable aspects of music is that sounds we cannot consciously hear contribute significantly to its emotional impact. These low level details can be masked by a myriad of degradations present in most preamplifiers. They may never be perceived until revealed by playback through the KRC-3. After a short period of listening, you will begin to hear new details and feel new emotions. Your most cherished recordings are important. Treat them to an audition with the KRC-3 and renew your love of music.

The KRC-3 from Krell...
The Leader in Audio Engineering.

SPECIFICATIONS

<i>Frequency Response</i>	0.3Hz - 300KHz: +0, -3dB
<i>Signal to Noise, "A" Weighted</i>	-101dB
<i>Distortion</i>	<0.005% THD @ 20Hz-20KHz
<i>Input to Overload</i>	9.0 Vrms
<i>Gain</i>	12.36dB (Balanced)
<i>Input Impedance</i>	47.5 KOhms
<i>Output Impedance</i>	15 Ohms
<i>Power Consumption</i>	36 watts @ idle
<i>Inputs/Outputs</i>	1 balanced/XLR, 4 single ended/RCA
<i>Theater/Tape Inputs</i>	1/1
<i>Remote Control</i>	Included
<i>Dimensions</i>	19"W x 3.5"H x 15.5"D
<i>Weight</i>	Unit only: 22 lbs Packed: 28 lbs.
<i>Warranty</i>	Five years, limited and transferable

Specifications subject to change without notice



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