



**KRELL**  
THE LEADER IN AUDIO ENGINEERING

# Processor

## Showcase Processor

The **Showcase** is Krell's fifth generation surround sound preamp/processor, delivering the benefits of almost a decade of experience in the development of reference-quality High End Audio Theater (HEAT™) systems.



With the latest in surround sound technologies, a proprietary digital room equalizer, and an exceptional preamplifier section, the Showcase processor extends the KAV Series' tradition of Krell engineering and affordability to a new generation.

A unique software-based seven-channel digital room equalizer maximizes system performance in any room. For each of four memory settings, the user can program filter type (high-pass, low-pass, notch, peaking, and high/low shelf), frequency, shape, and level for all seven channels. This makes it possible to program, for example, independent settings for stereo music, multichannel music, movie surround, or even video game software. Krell's digital room equalizer can transform your family entertainment room into a breathtaking home theater... without hiring an architect.

State-of-the-art digital chipsets, operating with upsampled 24-bit precision, control all of the digital signal processing in the Showcase processor. THX-Ultra certified, the processor incorporates advanced technologies, including Dolby Pro Logic II, Dolby Digital EX, THX Surround EX, DTS NEO: 6, and DTS-ES 6.1. Krell software provides digitally controlled bass management with user-selectable crossover points, optimizing the system's speaker/subwoofer interface. Following all digital signal processing, the information is decoded by 24-bit/192 kHz DAC's in all 7.1 channels to deliver the most accurate analog signal possible to the preamplifier stage.

The Showcase processor uses Krell advanced analog circuitry in the critical preamplifier section. The fully balanced design delivers the extremely wide bandwidth required for accurate reproduction of the current generation of movie soundtracks and high-resolution audio formats. The analog Preamp mode bypasses all digital circuits, providing the most direct signal path for multichannel and stereo recordings.



The Showcase processor employs fully discrete video circuitry. With bandwidth greater than 80 MHz, it ensures the integrity of all progressive and High Definition component signals, while still providing the convenience of on-screen display for all video signals.



Advanced operating features include a host of remote user interfaces, FLASH memory for future software upgrades, and an intuitive menu-based Smart System Setup. From ease of initial setup to dramatic performances in your home, the Krell Showcase sets a new benchmark for high performance and value in a preamp/processor.

# Amplifier

## Showcase Multichannel Amplifier

Simply elegant, the refined brushed aluminum Krellcoat™ finish only hints at the exhilarating performance that lurks beneath the exterior of the Krell Showcase Multichannel Amplifier.



Every aspect, from sonic performance and power delivery to style and upgradability, functions in seamless harmony. Available in 5-, 6-, and 7-channel configurations, the Showcase amplifiers are solidly based on the same legendary Krell technologies found in any of its top-of-the-line-siblings.



The foundation of any amplifier is the power supply. A massive 1,500 W toroidal transformer and 80,000 microfarads of filter capacitance provide a rock solid power platform impervious to speaker demand or AC line fluctuations.

Featuring technology developed for the Full Power Balanced amplifiers, the Showcase design employs Krell Current Mode™ circuitry. Its fully balanced topology ensures the lowest noise and greatest detail retrieval. Class A input, pre-driver, and driver stages provide the most accurate signal path for critical low level signals.



Easy Upgrades:  
Amplifier modules for the sixth and seventh channels can be added at any time.

To deliver the most electrifying experience with today's demanding multichannel music and movie soundtracks, an amplifier must be able to generate substantial power into 8 ohms... and then *double* that output when a speaker's impedance is halved to 4 ohms. The Showcase amplifier module uses eight high-speed power devices to deliver 125 W into 8 ohms and 250 W into 4 ohms. Previously implemented only in reference-level Krell components, surface mount technology makes possible the high circuit density required for the widest possible dynamic range and bandwidth.



The modular platform provides an upgrade path for the Showcase 5 and Showcase 6 amplifiers, enabling additional channels to be installed at any time. The base platform includes input and speaker connections for seven channels, making upgrades a simple matter when desired.

# Specifications

The Showcase Series: The Triumph of Performance, Style, and Value

## Showcase Processor

Signal-to-Noise Ratio:	94 dB "A" weighted	Remote Control:	1 handheld unit; 1 12 VDC in/4 12 VDC out (12 V trigger); 1 RC-5 input; 1 bidirectional RS-232
Total Harmonic Distortion:	-88 dB unweighted, 20-20,000 Hz		
Inputs:		Decoding Modes:	Dolby Pro Logic II; Dolby Digital 5.1; DTS 5.1; DTS ES Discrete 6.1; DTS ES Matrix 6.1; THX Surround EX; DTS Neo:6; Dolby Digital Surround EX
Analog Audio	1 pair balanced; 7 pairs single-ended	Surround Enhancement:	9 Krell Music Surround modes
Digital Audio	4 coaxial; 4 optical	Dimensions (WxHxD):	17.25 x 5.65 x 16.25 in. 43.8 x 14.4 x 41.3 cm
Video	4 S-video; 4 composite; 3 component	Weight:	19.25 lb. • 8.75 kg
Analog Tape	2 pair single-ended		
Outputs:			
Analog Audio	8 balanced; 8 single-ended		
Digital Audio	1 coaxial		
Video	2 S-video; 2 composite; 1 component		
Analog Tape	2 pair single-ended		

Amplifier	Showcase 7	Showcase 6	Showcase 5
Frequency Response:	20–20,000 Hz, 0, -0.15 dB 0.2–95,000 Hz, +0, -3 dB	20–20,000 Hz, 0, -0.15 dB 0.2–95,000 Hz, +0, -3 dB	20–20,000 Hz, 0, -0.15 dB 0.2–95,000 Hz, +0, -3 dB
Signal-to-Noise Ratio:	Better than 110 dB "A" weighted	Better than 110 dB "A" weighted	Better than 110 dB "A" weighted
Gain:	26.2 dB	26.2 dB	26.2 dB
Total Harmonic Distortion:	Less than 0.03% at 1 kHz Less than 0.20% at 20 kHz	Less than 0.03% at 1 kHz Less than 0.20% at 20 kHz	Less than 0.03% at 1 kHz Less than 0.20% at 20 kHz
Input Impedance:	45 kohms	45 kohms	45 kohms
Input Sensitivity:	1.55 Vrms	1.55 Vrms	1.55 Vrms
Output Power: (Each Channel Driven)	125 W at 8 ohms 250 W at 4 ohms	125 W at 8 ohms 250 W at 4 ohms	125 W at 8 ohms 250 W at 4 ohms
Output Voltage:	190 V peak to peak 32 Vrms	190 V peak to peak 32 Vrms	190 V peak to peak 32 Vrms
Power Consumption:			
Standby	90 W	80 W	70 W
Idle	150 W	130 W	110 W
Max.	1,600 W	1,400 W	1,200 W
Inputs (operational):	7 single-ended via RCA connectors 7 balanced via XLR connectors	6 single-ended via RCA connectors 6 balanced via XLR connectors	5 single-ended via RCA connectors 5 balanced via XLR connectors
Outputs:	7 channels via 5-way binding posts	6 channels via 5-way binding posts	5 channels via 5-way binding posts
Remote Connectors:	12 VDC out (12 V trigger) via 3.5 mm connector	12 VDC out (12 V trigger) via 3.5 mm connector	12 VDC out (12 V trigger) via 3.5 mm connector
Dimensions (WxHxD):	17.3 x 5.7 x 19.8 in. 43.9 x 14.5 x 50.3 cm	17.3 x 5.7 x 19.8 in. 43.9 x 14.5 x 50.3 cm	17.3 x 5.7 x 19.8 in. 43.9 x 14.5 x 50.3 cm
Weight:			
Shipping	68 lb. • 30.8 kg	66 lb. • 29.9 kg	64 lb. • 29.0 kg
Unit Only	60 lb. • 27.1 kg	58 lb. • 26.2 kg	56 lb. • 25.3 kg

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

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