

# FOUNDATION 4K UHD SURROUND SOUND PROCESSOR

**KRELL**  
THE LEADER IN AUDIO ENGINEERING

FEATURING HDMI 2.0/HDCP 2.2 TECHNOLOGY



Surround Sound Preamp/Processor featuring  
balanced circuitry and latest in HDMI technology

# FOUNDATION 4K UHD

## SURROUND SOUND PROCESSOR

The Krell Foundation 4K UHD Surround Sound Processor couples award winning Krell preamplifier circuitry to the latest in HDMI technology to create the centerpiece of a high performance home theater system.

### DESIGN

The Foundation 4K UHD adds HDMI 2.0 and HDCP 2.2 technology to the award winning Foundation processor. Designed to be upgradeable, existing Foundation processors can be upgraded to the Foundation 4K UHD platform at the Krell facility.

The Foundation 4K UHD updates 4 of the 10 HDMI inputs to HDMI 2.0/HDCP 2.2 capability. On screen display functionality adds status messages including volume, active source, video resolution and audio format. System setup is accomplished from the front panel, on screen menu, or a network tablet/computer.

Two HDMI video outputs are independent and can be configured to send different video signals to two individual displays. Both outputs support 4K signals being simultaneously displayed.

Both HDMI outputs feature Audio Return Channel (ARC). With ARC, a display device is able to send audio back down the HDMI cable to the Foundation 4K UHD. Televisions with built-in web streaming capability like Netflix or Pandora, can send the audio signal back to the Foundation 4K UHD use the full home theater system instead of just the TV's speakers.

Krell's Automatic Room Equalization System (ARES) ensures the best possible performance from every theater. ARES analyzes the speakers in the system, their location, phase, and distance from each other, to determine the best crossover frequency, delay, and more. In addition, ARES analyzes the room and creates unique EQ curves for each of the output channels. Unlike other room EQs, ARES can be programmed to only adjust the troublesome low frequencies, leaving high frequencies unaltered.

Intelligent HDMI switching is a combination of circuitry and innovative software that optimizes HDMI switching. Parameters including the monitor's electronic ID and source video resolution are stored in memory. All 10 source inputs are always active so source, channel, video resolution, and audio format changes are instantaneous. The Intelligent HDMI design provides the fastest signal recognition possible.

The Foundation 4K UHD supports stereo and multichannel DSD decoding via any of the 10 HDMI inputs.

Network connectivity brings convenience, setup, and operation from any smartphone, tablet, or laptop. Software updates are initiated from the menu and are downloaded from the Krell server.

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## SPECIFICATION HIGHLIGHTS

- 10 HDMI 2.0 inputs - 4 with HDCP 2.2
- 2 HDMI outputs with ARC
- 7.1 - Single-ended RCA and Balanced XLR Outputs
- 1ea RJ 45 Ethernet Port and RS-232
- 1ea 12V Trigger input/output
- Comprehensive Dolby and DTS support including True HD and DTS-HD Master Audio
- Stereo and Multi-Channel DSD Support
- Optional Rack Mount Kit
- 17 W, 3.5 H, 17 D in
- 43.3 W, 8.9 H, 43.3 D cm



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