

QUICK START GUIDE

Getting Started

Thank you for your purchase of the Universal Krell Touch Screen Remote. This state-of-the-art electronic remote controls all current Krell components, a selection of vintage Krell products, and many other popular A/V components. Six Krell components are preprogrammed into the remote. The configuration of additional devices is easy: simply enter the 4-digit device code.

Please read the information on placement and operation carefully. A thorough understanding of these details will help ensure satisfactory operation and long life for your universal Krell remote and related system components.

This Quick Start Guide contains descriptions of the standard functions and settings on the remote. The owner's reference for the Universal Krell Touch Screen Remote, including a detailed description of advanced functions and the product warranty, is available on the web at:

www.krellonline.com

Please contact your authorized dealer, distributor, or Krell if you have any questions not addressed in this Quick Start Guide or the owner's reference.

Unpacking

THERE ARE NO USER-SERVICEABLE PARTS INSIDE ANY KRELL PRODUCT.

Follow these steps to safely unpack the remote. (*Only one person needed.*)

1. Open the shipping box. You see these items:
 - 1 Universal Krell Touch Screen Remote
 - 4 AAA NiMH rechargeable batteries
 - 1 connector
 - 1 power adapter
 - 1 Quick Start Guide
2. Place the remote in a safe place and remove the protective plastic wrapping.

Notes

1. *If any of these items are not included in the shipping box, please contact your authorized Krell dealer, distributor, or Krell for assistance.*
2. *Save all packing materials. If you ship your universal Krell remote in the future, repack the unit in its original packaging to prevent transit damage. See **Return Authorization Procedure**, in the owner's reference on the Krell website, for more information.*

Placement

IMPORTANT

Modifications not authorized by the manufacturer may void users authority to operate this device.

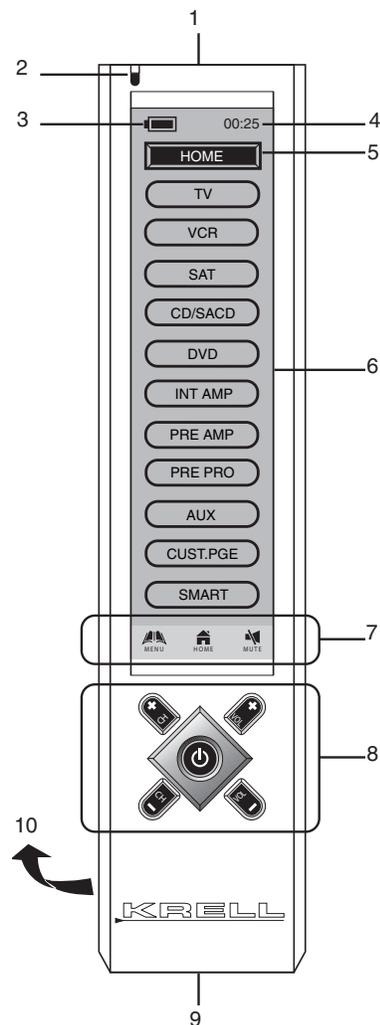
The Universal Krell Touch Screen Remote is a sensitive instrument. Hold it carefully, do not drop it, and set it down gently on a secure surface.

The remote has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions in this manual, may cause harmful interference to radio communications. *To correct interference, see **Troubleshooting**, on page 8.*



Remote Overview

Figure 1 Krell Universal Touch Screen Remote, Front Panel



- 1 Infra-red lens
- 2 LED indicator
- 3 Battery level meter
- 4 Current time
- 5 Current mode
- 6 Touch screen panel
- 7 Hot keys
- 8 Hard keys
- 9 Connection socket
- 10 Battery compartment
(on the back)

Standard Functions

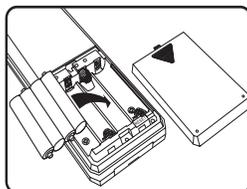
- Preprogrammed learning
- 10-in-1 remote (replaces TV, VCR, SAT, CTV, DVD, LD, CD, AV1, AV2 and AV3)
- Learns up to 240 commands
- A maximum of 70 keys per device mode
- EL backlit touch screen panel with intelligent light sensor power save
- 5 hard keys for direct access (power on/off, CH+, CH, VOL+, and VOL-)
- 3 touch screen hot keys (MENU, HOME, and MUTE)
- Set up by code name, device brand name search, and library code search
- 10 SMART programs, each with a maximum of 32 steps*
- Device name and function keys that edit, move, delete, and restore*
- Custom page for personal setup and frequently used commands*
- Remote-to-remote copy*

Battery Changing and Charging

Charge the batteries 10 hours before using the remote control for the first time. Recharge the batteries when the battery level meter (3) is empty, indicating weak batteries.



To install the batteries, open the battery cover and follow the polarity symbols on the battery compartment. Place the provided 4 AAA NiMH rechargeable batteries inside, then replace the cover.



To recharge the batteries, plug the power adapter into the AC wall outlet, insert the DC jack into the connector,

Standard Functions, continued

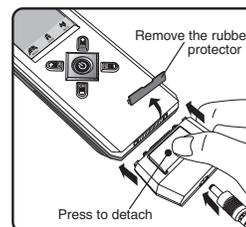
- Volume punch through control for TV and AMP*
- Interactive help screen
- Security password lock
- Real time clock
- Battery level indicator
- Auto power off
- AC/DC power charger
- Re-chargeable batteries

Optional Functions

- Docking charger for quick battery charging *
- Computer link (PC link) for special key layout and function via USB connection to a PC computer *
- PC software upload and download *

*For information on all items marked with an asterisk, please download the owner's reference for the universal remote, on the Krell website.

then connect to the socket (9) It takes approximately 17 hours to fully charge the batteries.



Notes

1. The battery level meter does not show when the remote control is in the menu mode.
2. The remote control is designed for optimum operation using the original batteries shipped with the unit.
3. Do not connect the power adapter and connector when using non-original batteries.
4. To avoid data loss, remote setup is prohibited when the batteries are weak.

Getting Started

This section explains basic remote navigation, the difference between hot keys (7) and hard keys (8), and introduces the backlit screens and IR code library.

IMPORTANT

You must calibrate the touch screen panel (6) before configuring the remote.

Panel Calibration

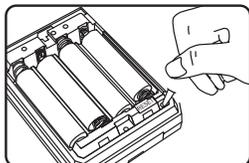
Calibrate the remote touch screen panel initially to teach the keys to respond to your touch. The keys shift their optimum pressure point slightly during calibration to adjust to the pressure of your finger tips. This allows you to press and send a key command on even the smallest keys with ease.

In addition, perform this calibration after you have received an incorrect response from the touch screen panel.

1. Press MENU
2. Press REMOTE SETTING
3. Press CALIBRATION
4. Follow the on screen instructions.
5. Press BACK to return to the home page

Reset Button

If your remote control has stopped for any reason, you can reset it by pressing the reset button inside the battery compartment.



Home

After inserting the batteries, press the touch screen. The remote control prompts at the home page, showing all devices, as well as keys for setting up custom pages and SMART keys. Press the HOME hot key at any time to return to the home page.

Sleep Mode

If the remote is inactive for approximately 10 seconds, the screen reverts to the power save (sleep) mode and shuts down the display. Press the screen panel to reactivate the unit.

Note

When in the sleep mode, the hard key section of the remote is still available for commands.

Access a Device Mode

Press any device key on the HOME screen to access the corresponding device mode. The device main page appears, showing the remote control keys for the device.

Page

Press the PAGE key at the bottom of the device mode screen to change command pages for the device.

Send a Command

Point the remote infrared lens (1) at the IR sensor on the device to which you want to send a command. Press a key to send out the corresponding infrared command.

Empty Key

There is no label or symbol on an empty key, and the key is available for learning.

Menu

Press the MENU hot key to access the main menu page, and configure the remote settings. *For more information, see **Remote Setting**, on page 7.*

Interactive Help Screen

Press the question mark, located at the top right of every menu screen, and follow the directions on the display.

Hot Keys

There are 3 hot keys on the bottom of the LCD display:

- HOME Jump to the main page for the device mode selection, for example TV, VCR, DVD, etc.
- MENU Jump to the main page of the setup menu to access and configure settings
- MUTE Volume mute function

Hard Keys

Five hard keys transmit the IR commands for the selected device.

-  Power on or off
- CH+ Program or channel up
- CH- Program or channel down
- VOL+ Volume up
- VOL- Volume down

Key Tone

Press any key, and a short beep sound occurs. *To disable this function, see **Remote Setting**, on page 7.*

Backlit Screen

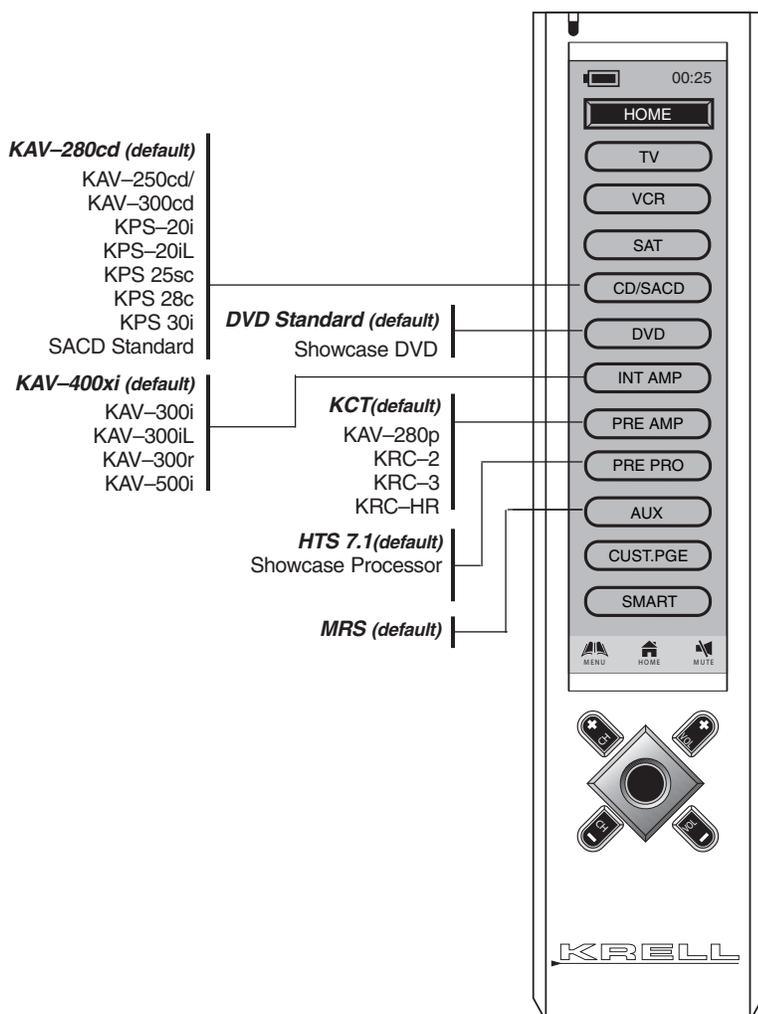
The LCD touch screen and hard keys are illuminated by an EL panel. The panel stays active for approximately 5 seconds (the factory default) after a key is pressed. *To change the auto turn off time or to disable this function, see **Remote Setting**, on page 7.*

IR Code Library

The IR Code Library contains a list of devices which have codes programmed into the Universal Krell Touch Screen Remote.

*For information on how to access and select a programmed code, see **Main Menu Setup Functions**, on page 5.*

**Figure 2 Krell Components
Preprogrammed into the Remote**



Krell Code List

Krell CD/SACD Players	CD/SACD
Model	Code
KAV-280cd (default)	1426
KAV-250cd/2	1426
KAV-300cd	1436
KPS-20i	1466
KPS-20iL	1476
KPS 25sc	1446
KPS-28c	1436
KPS-30i	1486
SACD Standard	0004
Krell DVD Players	DVD
Model	Code
DVD Standard (default)	0408
Showcase DVD	0418
Krell Integrated Amplifiers	INT AMP
Model	Code
KAV-400xi (default)	0007
KAV-300i	0007
KAV-300iL	0007
KAV-300r	0017
KAV-500i	0007
Krell Preamplifiers	PRE AMP
Model	Code
KCT (default)	0005
KAV-280p	0015
KRC-2	0025
KRC-3	0035
KRC-HR	0025
Krell Preamp/Processors	PRE PRO
Model	Code
HTS 7.1 (default)	0009
Showcase Processor	0019
Krell Subwoofer	AUX
Model	Code
Master Reference	
Subwoofer (default)	0004

For the complete list of codes preprogrammed into the remote, go to the universal Krell remote on the website at www.krellonline.com and download the manual **IR Code Number List for Devices**.

Main Menu Setup Functions

There are 7 function categories on the main menu of the remote:

SETUP
EDIT*
PREFERENCE*
REMOTE SETTING
SMART*
CLONE*
PC LINK*

**For information on all items marked with an asterisk, please download the owner's reference for the universal Krell remote, on the Krell website.*

This section describes the SETUP functions on the menu used to set up device codes on the Universal Krell Touch Screen Remote.

For a description of the REMOTE SETTING functions for the remote, see page 7.

Press the MENU hot key and then press SETUP on the main menu page. Select: LEARNING, BRAND NAME, ENTER CODE or AUTO SEARCH.

Use the device code list and the steps under ENTER CODE to set up the menu quickly and easily. For a written description of the steps involved, see **Enter Code**, on page 6.

Learning (Copying)

Copy a key command from an original remote control to the Universal Krell Touch Screen Remote.

1. Press the LEARNING key on the setup menu screen.
2. Select the device to which you want to copy a command. For example, select TV.
3. Press the key on the universal Krell remote, which accepts the copy command.
4. Aim the original remote at the front of the universal Krell remote, from a distance of 5–8 in. or 12.7–20.3 cm.
5. Press and hold the key on the original remote until the universal Krell remote responds with a successful message. This normally takes a short while.
6. Edit the key name on the universal Krell remote, or press OK to confirm that you want the key to retain the copied command.
7. Press another key to continue copying more commands.
8. Press the MENU short cut key to return to the main menu page, or press the HOME short cut key to return to the HOME page.

DUAL SIGNAL LEARNING

If a learned command works for your A/V equipment only occasionally, the original remote control may

contain dual signals. Follow steps 1 through 6 under **Learning** above, then add the following steps:

7. Aim the original remote at the front of the universal Krell remote a second time. Press and hold the same key on the original remote until the universal Krell remote displays a successful message.
8. Edit the key name on the universal Krell remote, or press OK to confirm that you want the key to retain the copied command.

Notes

1. The optimum receiving distance is 5–8 in. or 12.7–20.3 cm for remote learning. If a problem report is displayed during the learning process, adjust the distance between the 2 remotes and try again.
2. Check the remaining memory for learning additional commands, see **Status**, on page 7.

Brand Name

Setup the pre-programmed code by selecting a brand name.

1. Before starting the setup procedure, turn on the device for the code you want to install in the remote. For example, turn on the Krell DVD Standard.
2. Press BRAND NAME from the setup menu.
3. Select the device that is on. For example, select DVD.
4. A brand name list in alphabetical order is displayed.
5. Press the up or down arrows to browse the brand name list, or press a character to access a brand name. For example, press K for KRELL.
6. Press the brand name of your choice, and it will be highlighted. For example, press KRELL.
7. Press TEST, then press the test keys on the touch screen, or press any hard key to test the selected code.
8. Press the CH+ hard key and then the BACK key on the touch screen to access the brand name search menu again.

Main Menu Setup Functions, continued

Brand Name, continued

9. Search for the next code, and the power on/off command will be sent at the same time.
10. Press CH- to skip to the previous code.
11. Press the BACK key to cancel and return to the brand name search menu page to select another brand name.
12. Follow steps 1-9 above for the second brand name.
13. Press OK to confirm and exit the setup menu.

Enter Code

Setup a preprogrammed code by entering the 4-digit code number for the device. The Universal Krell Touch Screen Remote is preloaded with a list of device codes for Krell components and other popular AV equipment. Device codes for Krell products are listed in this document. *For the complete list of codes preprogrammed into the remote, go to the universal Krell remote on the website at www.krellonline.com and download the manual **IR Code Number List for Devices**.*

1. Press ENTER CODE on the setup menu.
2. Select the device. For example, select DVD.
3. Press the numeric keys to enter the 4-digit code number of your device.
4. Press OK to confirm the input.
Press DELETE to delete the last entered digit.
Press BACK to cancel and return to the previous menu page
5. Press TEST KEY on the touch screen or press any of the hard keys to test the new key function.
6. Press OK to confirm and exit the setup menu.

Auto Search

Set up a pre-programmed code by searching the library of codes.

1. Turn on the device you want to install before starting the setup procedure. For example, turn on the Krell Showcase Processor.
2. Press AUTO SEARCH on the setup menu.
3. Select a device. For example: TV.
4. Press CH+ slowly, patiently, and repeatedly, until your device is switched off. Then press OK to lock the code, or press TEST KEY to test the device during setup.
5. Press CH- once to skip backward one code immediately, if you have missed the last code.
6. Press BACK to cancel and return to the previous menu page, or press OK to confirm and exit the setup menu.
7. Press TEST KEY on the touch screen or press any of the hard keys to test the new key function.
8. Press OK to confirm and exit the setup menu.

Notes

1. *When a code is assigned to a device, the copied commands and the key names of that device will be lost, and restored to the pre-programmed commands.*
2. *Some codes do not have the power command and may not be detected using the auto search function. Use the TEST KEY to test these other keys.*
3. *During auto search, you can access any of the hard keys to test the command.*

Remote Setting Menu Functions

There are 12 function categories on the remote settings menu:

CLOCK
BEEP SOUND
LCD
PASSWORD
RESET DEFAULT
KEY RENAME*
DEVICE RENAME*
MOVE KEY*
MOVE DEVICE*
DELETED KEY*
ALL TO DEFAULT
STATUS

**For information on all items marked with an asterisk, please download the owner's reference for the universal Krell remote, on the Krell website.*

This section describes many of the functions in the menu used to configure the REMOTE SETTINGS of the Universal Krell Touch Screen Remote. These functions are optional and may be set up at your convenience to optimize the performance of the remote.

For a description of the main menu SETUP functions for the remote, see page 5. Other main menu items including EDIT, PREFERENCE, SMART, CLONE, and PC LINK are described in the owner's reference published on the Krell website.

Press MENU, then press REMOTE SETTING and choose any one of the following items:

Clock

1. Press CLOCK.

CURRENT TIME

2. Under CURRENT TIME, press SET to adjust the clock.
3. Enter four digits. The first two digits represent the hour and the second two digits represent minutes. The 24-hour format is used.
4. Press OK to confirm and exit the clock setting menu.

CLOCK, continued

DAY OF WEEK

5. Under DAY OF WEEK, press SET to adjust the date.
6. Press the up or down arrows to select the day of the week.
7. Press OK to confirm and exit the clock setting menu.

Beep Sound

1. Press BEEP SOUND.
2. Press ENABLE to turn on the beep sound.
3. Press DISABLE to turn off the beep sound.

LCD

1. Press LCD.

LIGHT AUTO OFF

2. Under LIGHT AUTO OFF, select the auto turn off of the back light for 5 seconds, 10 seconds, or 15 seconds.

BACKLIT CONTROL

3. Under BACKLIT CONTROL, select an option for controlling the LCD: BY SENSOR, ALWAYS ON, or ALWAYS OFF.

Password

Activate the password function to protect your personal settings.

1. Enter the password, using a maximum of 5 characters.
2. Re-enter the password for confirmation.
3. Press DELETE to delete last character in the password.
4. To disable the password, use a blank input (no character input) in the password field.

The universal password is AAAAA.

Reset Default

Reset the user setting to the factory default.

IMPORTANT

Please make sure it is necessary to perform this function. The universal Krell remote resets to the pre-loaded factory settings and the learned signals and custom settings are erased when this function is activated.

CLEAR LEARNING. To clear the learned command and restore keys to the factory default commands.

One Key. To clear the learned command of a single key.

1. Select a device.
2. Select the key you want to return to factory default.
3. Press YES to confirm or press NO to abort.

One Device. Clear the learned commands from all the keys for a device.

1. Select a device.
2. Press YES to confirm or press NO to abort.

All Devices. Clear all the learned commands of all the devices.

1. Select all devices.
2. Press YES to confirm or press NO to abort.

ALL TO DEFAULT. To restore all user settings to the factory default:

1. Press YES to confirm or press NO to abort.

Note

All user settings are lost except clock and password settings when this function is activated.

Status

Access the software version, the code number of each device configured, active remote settings, available memory (for learning), and other information about the remote.

1. Press the up and down PAGE arrows to scroll through the available information.
2. Press BACK to return to the remote settings menu.

Troubleshooting

Q. How do I identify and prevent interference from my remote?

A. Turn the equipment off and on to determine whether or not the operation of the remote is interfering with area radio or television reception. Then try:

- Reorienting or relocating the receiving antenna.
- Increasing the separation between the equipment and receiver
- Connecting the equipment into an outlet on a different circuit than the circuit to which the receiver is currently connected

If the remote is still causing interference, consult an experienced radio / TV technician, your authorized Krell dealer or distributor, or Krell.

Q. Why is my remote not working?

A. Try one or more of the following measures:

- Inserting the provided rechargeable batteries into the remote with the correct polarity and charge up the remote
- Pressing the RESET key inside the battery compartment

Q. When I install a code from the provided code list for my device, why isn't the remote working or only partly working with my device?

A. The selected code does not match your device. Try another code from the code list. Or, use AUTO SEARCH to locate another possible code. You can also use the learning function to teach the universal Krell remote the codes from your original remote.

Q. I copied my original remote to the universal Krell remote. Why do some of the commands only function occasionally?

A. Your original remote may carry dual signal commands. Program the remote for dual signal commands.

Q. Why is the LCD backlit screen not illuminated?

A. Select either BY SENSOR or ALWAYS ON in the remote setting menu.

Q. How can I prevent someone from editing/changing the setting of my remote?

A. Activate the password function to lock the remote.

Q. How do I access areas that require my password, if I have forgotten my password?

A. Use the factory preloaded universal password: AAAAA

Q. How do I restore my Krell Universal Remote to the factory default?

A. For information on this topic, see **Reset Default**, on page 7.

Q. What is SMART?

A. This is an advanced function of the universal Krell remote which enables you to program a series of commands with time delay. After setup, press the programmed SMART button to activate the chain of IR signals automatically. *For details, see the universal Krell remote owner's manual on the Krell website.*

Q. What is Clone?

A. This is an advanced function of the universal Krell remote which allows data transfer between 2 universal Krell remotes. *For details, see the universal Krell remote owner's manual on the Krell website.*

Q. What is PC Link?

A. This advanced function of the universal Krell remote uploads and downloads remote setting data to and from a personal computer. You need the optional docking station for the universal Krell remote and computer software needs to be installed in your PC. *For details, see the universal Krell remote owner's manual on the Krell website.*

Your universal Krell remote product serial number is: _____