In order to operate a device using its remote control the device must have line-of-sight with the remote control. When the device is placed out-of-sight, the remote control will not function as line-of-sight is required to operate. In some A/V configurations, the video source is placed a great distance from the TV or inside of a closet. In addition, if the supported distance between the device and the remote control is exceeded, the remote control will not function.

The Accell Infrared Signal over HDMI Cable Dual Band Adapter Kit extends the signal from the remote control of your Blu-Ray player, DVR, set-top box or other HDMI enabled device by sending the remote control’s IR (infrared) signal over your HDTV’s existing HDMI cable. The IR adapter kits works with single band and dual band infrared. See Single Band and Dual Band Frequencies below.

Features:
- 33 kHz – 60 kHz dual band emitter
- Flawless A/V transfer - no distortion or attenuation
- Supports HD resolutions including 1080p and 3D
- Fully HDMI and HDCP 1.2 compliant

Includes:
- Two IR adapters
- One IR transmitter (TX) - 56" cable
- One IR receiver (RX) - 48" cable
- Double sided tape
- Instructions

This adapter kit uses the unused CEC channel of your HDMI cable to transmit the IR signal over the length of the HDMI cable. The CEC channel is used by select digital TVs enabling them to send control commands to your video sources and is often unused. The IR Adapters each have a two position switch. One position is labeled “IR” and the other position is labeled “CEC”. For the IR functionality to work, both IR Adapters must be switched to “IR”. To enable the HDMI cable to operate with the TV’s CEC functionality, toggle both IR adapters to “CEC”. See image above.

Setup to control your source from the location of the display:

1. Plug the IR Receiver marked “RX” into the 3.5mm port marked “IR” on the side of one of the IR Adapters.
2. Connect your HDTV’s HDMI cable into the IR Adapter’s female HDMI port labeled “IN”.
3. Plug the IR Adapter’s HDMI port labeled “OUT” directly into your HDTV’s HDMI port.
4. Place the sensor end near the TV or in a location where you will be aiming the remote control. The round “eye” on the end of the IR RX Receiver should be visible to the remote. Use the double-side tape to affix the sensor if needed.
5. Plug the IR Transmitter marked “TX” into the 3.5mm port located on the side of the second IR Adapter marked “IR”.
6. Connect the other end (source side) of the HDMI cable into the IR Adapter’s female HDMI port labeled “IN”.
7. Plug the IR Adapter’s HDMI port labeled “OUT” directly into the HDMI port of your video source.
8. Place the sensor pointing to the front panel of the video source. More specifically, there is an IR receiver built into the front panel of the video source. The round “eye” on the end of the IR TX emitter should be pointed at the IR receiver of the video source.
9. Ensure the toggle switches on both adapters are set to “IR”. Setup is complete.
Warranty and Returns

1-YEAR MANUFACTURERS WARRANTY

Accell IR Adapter Kit is warranted for one year from date of purchase to be free of defects in material and workmanship. In the event of such defects, the Accell product will be repaired without charge or replaced with a new one at our option, if delivered to Accell Corporation prepaid, together with a copy of the sales receipt indicating the proof of purchase date and place of purchase. This warranty excludes defects due to normal wear, abuse, shipping damage, or failure to use the product in accordance with the instructions. ACCELL CORPORATION SHALL NOT BE LIABLE FOR DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, INTERRUPTED OPERATION OR COMMERCIAL LOSS, OR ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE. YOU AGREE THAT ACCELL'S MAXIMUM LIABILITY ARISING FROM ANY PRODUCT SOLD BY ACCELL SHALL NOT EXCEED THE PRICE OF SUCH PRODUCT. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF EXCLUSION OF LIABILITY FOR CERTAIN DAMAGES, SO THE ABOVE MAY NOT APPLY TO YOU TO THE EXTENT SUCH JURISDICTION'S LAW IS APPLICABLE TO THIS AGREEMENT. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

Limitation Of Liability.

IN NO EVENT SHALL ACCELL CORPORATION, ITS SUBSIDIARIES OR AFFILIATES, OR THEIR RESPECTIVE PARTNERS, OFFICERS, DIRECTORS, EMPLOYEES, SHAREHOLDERS, REPRESENTATIVES OR AGENTS (COLLECTIVELY, "ACCELL") BE LIABLE FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR INDIRECT DAMAGES (INCLUDING BUT NOT LIMITED TO, LOSS OF DATA, USE OR PROFITS), HOWEVER CAUSED, WHETHER FOR BREACH OF CONTRACT, NEGLIGENCE, OR OTHERWISE, AND WHETHER OR NOT ACCELL HAS BEEN ADVISED OF THE POSSIBILITY OF ANY SUCH DAMAGES. YOU AGREE THAT ACCELL'S MAXIMUM LIABILITY ARISING FROM ANY PRODUCT SOLD BY ACCELL SHALL NOT EXCEED THE PRICE OF SUCH PRODUCT. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF EXCLUSION OF LIABILITY FOR CERTAIN DAMAGES, SO THE ABOVE MAY NOT APPLY TO YOU TO THE EXTENT SUCH JURISDICTION'S LAW IS APPLICABLE TO THIS AGREEMENT.

WARRANTY RETURNS PROCEDURE

To return an item under warranty, contact Customer Support by E-mail at support@accellcables.com or call 510-438-9288 to obtain a Return Authorization (RMA) number. RMA numbers are valid for 30 days from the date of issuance. We are unable to accept returns without an RMA number. Returns without an RMA number clearly printed on the outside of the package will be refused and returned unopened. All returns must be shipped prepaid at the expense of the shipper.

Troubleshooting:

Confirm the setup is correct. The switch on both IR Adapters should be set to "IR". Ensure the remote is pointed at the end of the IR RX and the IR TX is pointed at the infrared receiver eye on your video source.

To check if your system is repeating the signal from your remote control, a digital camera or cell phone camera can be used. For smartphones with dual cameras, use the front facing camera. To quickly get an idea what to look for, look at the "eye" on the end of your remote control through your camera and then press any button on the remote control. You will see the IR "eye" on the end of the remote control flash.

To test the IR Adapter Kit in this manner it is best to have a person using the remote on the IR RX (TV) end and a second person viewing the IR TX (video source end) through the camera. Operate the remote control while pointed at the end if the IR RX receiver. View the end of the IR TX transmitter through the camera. You should see a flashing light coming from the eye of the IR TX transmitter. If the light is continuous and not blinking, the IR Adapter Kit may be defective.

If you do not see the flashing light coming from the eye of the IR TX transmitter, check to determine if the problem is with the HDMI cable by doing the same test using a different HDMI cable. If the signal works, the HDMI cable is defective. If it is correctly passing the signal, the IR TX is not pointed at the IR eye of the source device or there may be an incompatibility problem with the source device and the IR TX. To confirm this, set up the IR Adapter kit to control a different source device. Alternatively, install the setup in reverse with the IR TX on the TV and IR RX on the source device. Try to use your TV’s remote at the source device location to control your TV.

Single Band and Dual Band Frequencies:

There are two general frequency ranges (bands) used by a device for IR control. The first band is 33-43 kHz, the second band is 44-60 kHz. For the IR system to work, your remote, device, and IR extender must share the same frequency. Since the IR Adapter Kit is Dual Band and supports both bands, devices using any of these two bands are supported. Contact your device manufacturer to determine the IR frequency (band) it is using.

Assistance:

If you have questions please check out our Web site at: www.accellcables.com. Technical Support can be reached by E-mail at support@accellcables.com or by telephone at 510-438-9288 or toll-free in the USA at 1-877-353-0772 (M-F 9am-5pm PST).