



Introduction

Congratulations, and thank you, for selecting the Remote CallIR™ by Crest Healthcare Supply. The Remote CallIR™ takes pendant control operation and functionality to a new level, combining the convenience and flexibility of a standard infra-red TV remote with the reliability and safety you've come to expect in all Crest nurse call devices.

Care has been taken in the design to ensure extra large button size. Buttons and functions that are rarely needed have been eliminated, resulting in a control that is easy to learn, easy to use, and easy to find. The 10-key overlay is now an option for the resident that needs direct channel access.

The Remote CallIR™ platform is user-programmable to operate most consumer, commercial and healthcare televisions. And, it is expandable - new code sets can be added as new devices and new systems are introduced.

Thank you for taking a few moments to learn more about this exciting, new product. We at Crest Healthcare Supply are sure Remote CallIR™ users will enjoy the experience of combined entertainment and nurse call system access.

Precautions

NORMAL USE: This device may be safely used for the activation of a nurse call signaling circuit as defined in UL 1069. User must verify plug style and wiring is appropriate for their intended use.

This device has been tested safe for use by patients undergoing Oxygen Therapy - refer to labeling on the product for prescribed use in an oxygen-enriched environment.

ELECTRICAL: For connection to power limited circuits of 24 VDC, 0.1A or less.

CLEANING AND STERILIZATION: The outside of the cable jacket and pendant may be cleaned with alcohol, most disinfecting and sterilization agents, or mild detergent and water.

WARNING: Do not use cleaning or sterilization solutions directly on metallic portions of the electrical plug, nor should the electrical plug be immersed in any cleaning solution. Submersion of the plug end of the device will result in fluid contacting the electrical compartment of the plug and will cause corrosion or failure of the electrical contacts. Damage due to fluid submersion and subsequent corrosion of the plug electrical contacts is not covered under the manufacturer's warranty. Remote CallIR™ is NOT submersible.

Do not steam sterilize the device – high heat may destroy or distort some of the components. Maximum temperature is 130°F. Gas sterilization may be used as long as the maximum temperature is not exceeded.

WARRANTY AND CONDITIONS OF USE: This product is unconditionally guaranteed against defects in materials and workmanship for a period of 2 years from the original date of purchase. Any use or application of this product outside the scope of this document exceeds the recommendations of the manufacturer and may result in cancellation of warranty terms. User must evaluate and validate any other applications prior to placing device into service.

Your Remote CallIR contains the most updated device code library at the time of production. However, with the numerous models of TVs on the market, some may not be supported by a previously purchased unit. Our extensive library of IR codes is continually updated and available for previously purchased units for an upgrade fee. Give Crest a call to inquire.

Programming your new Remote CallIR™

NOTE: Prior to programming and operation, fresh batteries must be installed in this device. Install two (2) "AA" batteries by removing the two screws from the battery compartment cover and pull cover free from the back of the device. Insert the batteries orientated with the positive terminals towards the top of the device (spring is negative). Replace battery compartment cover and re-install the two screws.

1. Locate your TV manufacturer in the **Entertainment Device Code** table located on page 4. Keep this handy as it will be needed in step 5.

NOTE: If you are **not** using the 10-key overlay option, please review the **Overlay Template** located on page 3 to decipher which keys correlate to the numbers 0, 1, 2 & 3. A 4 digit code will be required for the "Big Button" overlay as shown in the Entertainment Device table on page 4.

2. Press and hold the **CC** button and while pressing this button, press and hold the **Mute** button also. The appropriate device LED will flash for 1 second confirming that you are entering programming mode. Continue holding both buttons down until the green LED starts to flash.

- This should take approximately 3 seconds

NOTE: To see the LED flashes on a 10-key model you may have to shade the pillow speaker or slightly cover it from bright light. The LED that will flash for programming will show up right below the number one on the keypad (through the overlay). On the "Big Button" overlay the LED will flash in the little window located above the word "volume".

3. Release the **Mute** button while the LED is flashing from step 2. The LED will stop flashing. Continue to hold down the **CC** button until the LED again starts to flash.

- This should take approximately 3 seconds

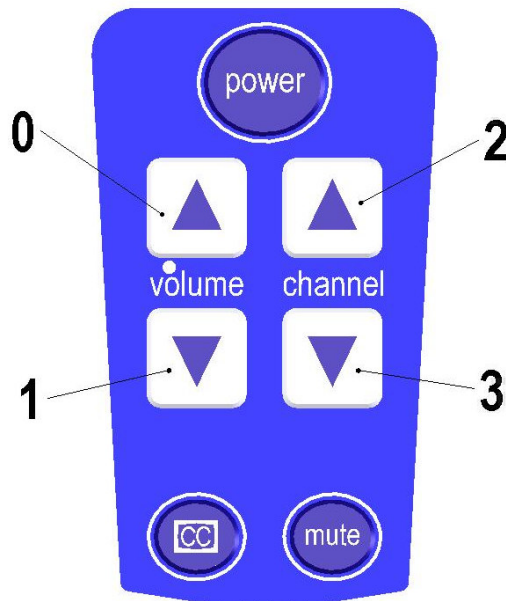
4. Release the **CC** button while the LED is flashing from step 3. The LED will stop flashing and **remain off**. You will have roughly 15 seconds to begin entering the 3 digit device code (or 4 digits if using the Big Button Overlay).

5. Type in the 3 (or 4) digit Device Code.
 - The green LED will flash once after each digit is entered to signify that the digit has been accepted.
 - Once the code has been entered the green LED will remain off for 2 seconds followed by a 2 second flash to signify a valid code entry.
6. Test newly entered code. If code does not work try the next code from chosen manufacturer in Entertainment Device Code table and repeat steps 2 – 6.
7. To program other devices or to reprogram a different code, follow steps 2 – 6 again.

NOTE: If at anytime during step 5 you see the LED flash 5 times very quickly, then either the code that was entered was invalid or too much time elapsed between digit entries. In this case, repeat steps 1 – 5. The remote will return to normal operation throughout steps 2 – 3 if you simply release both the CC and mute keys. In either of these two cases the remote will default back to the codes that were being used prior to programming.

Overlay Template

Volume up = 0, Volume down = 1, Channel up = 2, Channel down = 3



Typical Healthcare Television Device Codes

Listed below are the most common television device codes used in healthcare facilities. If your television manufacturer is not listed, please refer to our website (www.cresthealthcare.com) and run a search for Remote CallIR where you will find our most up to date device code library. If you are unable to find a device code that properly operates your TV please contact the Crest Technical Support Department at 800-328-8908.

Entertainment Device Code	10-Key	Big Button
Zenith Healthcare TV (All CRT models & LCD models with internal interface)	001	0001
Zenith Healthcare TV (LCD models with external interface)	004	0010
PDI Healthcare TV	003	0003
RCA Healthcare TV	000	0000
Philips Healthcare TV	002	0002
HCI Healthcare TV	006	0012

Miscellaneous Operating Information

User-specific programming is maintained in non-volatile memory, even in the event of dead or removed batteries. Operation will be restored to the previously programmed functionality as soon as fresh batteries have been installed.

Operating the Television

1. All buttons associated with the TV will now operate.
 - a. The Power button will turn the TV on and off.
 - b. The Mute button will mute the TV sound.
 - c. The Volume Up and Volume Down buttons increase or decrease the TV volume respectively.
 - d. The Channel Up and Channel Down buttons sequentially select the channel, up and down respectively, on the TV.
 - e. The CC button will toggle the closed caption option on the TV on or off.

(When pressed, each button listed above will flash the green LED indicating that the pendant is operating.)

NOTE: The Remote CallIR™ will only control the TV for which it has been programmed. If desired, operation of a different TV may be programmed by the user. Refer to section: "Programming the Remote CallIR™" located earlier in this document.

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