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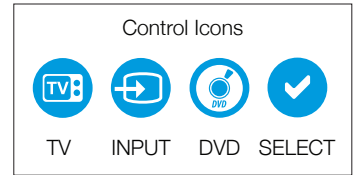
Call Crest Technical Support for assistance at: **1-800-328-8908**
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**2** YEAR WARRANTY

LATEX-FREE

OXYGEN SAFE

Control Icons

TV    INPUT    DVD    SELECT

# Programming & Operating Crest Elite Infrared™ Pillow Speakers Without Set Top Box Control (STB) for XT and ET pillow speaker part numbers

**Note:**
Please see "Programming & Operating Crest Elite Infrared™ Pillow Speakers with Set Top Box Control" information sheet on our website for programming pillow speakers equipped with satellite/cable Set Top Box feature.

*Note: If you have multiple beds/TVs in the same room, please see instructions on page 2 before proceeding with programming.*

1. Locate your brand of TV/DVD in the **Entertainment Device Codes** section located below and on page two. You will be using the three-digit device codes listed for your TV/DVD brand in step six of the programming procedure, if your pillow speaker has 10-key overlay. Four-digit device codes will be used for big button overlay.

**Note:**
Please review the **Big Button Overlay Template** located below to decipher which keys correlate to the numbers 0, 1, 2 and 3.

2. Press the device select button **(tv, dvd)**, if your pillow speaker is equipped with both TV and DVD functions, otherwise skip this step. You should get a short confirmation LED flash above the device select button.

3. Press and hold the **CC** and **mute** buttons. The appropriate device LED will flash for one second confirming that you are entering programming mode. Continue holding both buttons down until the appropriate device LED starts to flash. This should take approximately three seconds.

4. Release the **mute** button while the LED is flashing from step three. The LED will stop flashing. Continue to hold down the **CC** button until the LED starts to flash again. This should take approximately three seconds.

5. Release the **CC** button while the LED is flashing from step four. The LED will stop flashing and remain off. You will have roughly 15 seconds to begin entering the device code from step one.

6. Enter the device code. The appropriate device LED will flash once after each digit is entered to signify that the digit has been accepted. Once the code has been entered the appropriate LED will remain off for two seconds followed by a two second flash to signify a valid code entry.

7. Test all the buttons on the pillow speaker. If the code doesn't work, program the pillow speaker by repeating steps two through six with another device code listed for your TV/DVD brand.

**Note:**
If at anytime during step six you see the LED flash five times very quickly, either the code that was entered was invalid or too much time elapsed between digit entries. In this case, repeat the entire programming procedure from the beginning. The pillow speaker will return to normal operation throughout steps two through four if you simply release both the **CC** and **mute** buttons. In either of these two cases the pillow speaker will default back to the codes that were being used prior to programming.

## LED Light Indicator

For pillow speaker models equipped with DVD feature, either the **tv** LED or **dvd** LED will flash depending on the mode pillow speaker is operating. Pillow speakers with TV only model will flash tv LED to indicate following messages.

1. **Low Battery:** one flash per second. Please change the battery as soon as you notice this.

2. **TV Audio Level Too Loud:** four flashes per second. This is only possible for pillow speaker equipped with internal volume control (IVC). When you notice this, disconnect the pillow speaker from the station. Wait for the LED to stop flashing. Press **volume up** button on the pillow speaker for 10 seconds. Decrease the volume of the TV to minimum value by using buttons on the TV. Plug the pillow speaker into the station, and slowly increase the volume of the TV using buttons on the TV to a maximum level of volume you would like to hear. If you notice the flashing during the process, disconnect the pillow speaker from the station and call our Technical Support Department at 1-800-328-8908.

## Entertainment Device Codes

Listed below are the most common TV and DVD brands used in healthcare facilities. If your brand is not listed or none of the codes worked for you, please contact our Technical Support Department for help at **1-800-328-8908** or visit our website **www.cresthealthcare.com** for a more extensive list of entertainment device codes.

0 — VOL +
2 — CH ∧
1 — VOL −
3 — CH ∨
CC
power

### Big Button Overlay Template

**0** = Volume Up       **2** = Channel Up
**1** = Volume Down     **3** = Channel Down

| DVD Brand | Three-Digit Device Code |
|---|---|
| LG® | 000 |
| PDI® | 015, 016, 023, 024 (modular), 034, 047 |
| RCA® | 001, 029, 030 |
| Samsung | 008, 025, 038, 042 |

| TV Brand | Three-Digit Device Codes | Four-Digit Device Codes |
|---|---|---|
| LG® | 001, 004, 005, 020, 056, 073, 091, 102, 104, 106, 107, 108 | 0001, 0010, 0011, 0110, 0320, 1021,1123, 1212, 1220 (Bed 1), 1222 (Bed 2), 1223 (Bed 3), 1230 (Bed 4) |
| Panasonic® | 002, 003, 008, 013, 014, 019, 022, 023, 036, 057 | 0002, 0003, 0020, 0031, 0032, 0103, 0112, 0113, 0210, 0321 |
| PDI® | 002, 003, 014, 012, 017, 062, 087, 092, 100 | 0002, 0003, 0032, 0030, 0101, 0332 , 1113, 1130, 1210 |
| Philips | 002, 003, 004, 014, 024, 028, 037, 064, 072, 075, 076, 077 | 0002, 0003, 0010, 0032, 0120, 0130, 0211, 1000, 1020, 1023, 1030, 1031 |
| RCA® | 000, 004, 018, 020, 021, 023, 065, 070, 103, 133, 134, 151 | 0000, 0010, 0102, 0110, 0111, 0113, 1001, 1012, 1213, 2011, 2012, 2113 |
| Samsung | 002, 003, 004, 014, 018, 020, 116 (Bed 1), 117 (Bed 2), 119 (Bed 3), 120 (Bed 4), 121 (Bed 5), 122 (Bed 6), 123 (Bed 7), 124 (Bed 8), 125 (Bed 9) | 0002, 0003, 0010, 0032, 0102, 0110, 1302, 1310 (Bed 1), 1311 (Bed 2), 1313 (Bed 3), 1320 (Bed 4), 1321 (Bed 5), 1322 (Bed 6) 1323 (Bed 7), 1330 (Bed 8), 1331 (Bed 9) |
| Vizio® | 048, 060, 071, 115 | 0300, 0330, 1013, 1303, 2013 |
| Sony® | 038 | 0212 |
| Sharp® | 004, 026, 051, 093 | 0010, 0122, 0303, 1131 |
| Insignia™ | 035 | 0203 |
| HCI Healthcare TV™ | 006, 030, 050, 074 | 0012, 0132, 0302, 1022 |

***Miscellaneous Operating Information:***
User-specific programming is maintained 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 Entertainment Devices

The Elite Infrared Pillow Speaker will only control those entertainment devices (TV, DVD) for which it has been programmed. Refer to the programming section, located earlier in this document prior to operating.

**Operating the Television:**
1. Press the button labeled **tv**. (TV only model doesn't require this step.)
   a. The LED above the **tv** button will flash quickly to show you that you are now in the TV mode.
2. All buttons associated with the TV will now operate. (Some buttons listed below might be absent on your pillow speaker model.)
   a. The **power** button will turn the TV on or off.
   b. The **mute** button will mute the TV sound.
   c. The **input** button will only work if your particular TV features a special input, such as A/V or HDMI Operation of this button is dependent upon the particular set with which it is used. On sets that do not support this function, the button will be non-functional.
   d. The **select** button will select the option highlighted on the TV screen.
   e. The **volume up** and **volume down** buttons increase or decrease the TV volume. If the pillow speaker is equipped with internal volume control (IVC), volume is adjusted  internally in the pillow speaker
   f. The **channel up** and **channel down** buttons sequentially change the channel up and down on the TV.
   g. The **number** buttons (**0 - 9**) function as entry keys for direct channel access.
   h. The **CC** button will toggle the closed caption option on the TV on or off.
   i. Directional buttons will only operate in DVD mode.

Stereo headphones are recommended for best performance when the optional headphone receptacle is in use.

**Note:**
When pressed, each button listed above in a-h above will flash the **tv** LED, indicating the device is in TV mode and successful transmission of infrared signal.

**Operating the DVD Player:**
1. Press the button labeled **dvd**. (Only for models equipped with DVD feature.)
   a. The LED above the **dvd** button will flash to show you that you are now in the DVD mode.

2. All buttons associated with the DVD player will now operate.
   a. The **power** button will turn on or off the DVD player.
   b. The **select** button is used in the main menu of the DVD player to select what you want to view on the DVD.
      i. The **up** and **down arrows** can be used to navigate this menu vertically.
      ii. The **left** and **right arrows** can be used to navigate this menu horizontally.
   c. In DVD mode, the majority of number keys also include a light gray shape below the number.  These commonly used shapes will operate as indicated below:
      i. The **play** button (**5**-key) will start playing the DVD.
      ii. The **stop** button (**8**-key) will stop playing the DVD.
      iii. The **skip ahead** button (**6**-key) will fast forward the DVD.
      iv. The **skip behind** button (**4**-key) will rewind the DVD.
      v. The **chapter ahead** button (**9**-key) will make the DVD jump to the next chapter.
      vi. The **chapter behind** button (**7**-key) will make the DVD jump to the previous chapter.
      vii. The **pause** button (**0**-key) will pause the video.
   d. The **CC**, **input**, **channel up**, **channel down** and **number** buttons **1**, **2** and **3** will become non-functional while in the DVD mode.
   e. The **mute**, **volume up** and **volume down** buttons will continue to operate the TV.

**Note:**
Pressing a valid DVD button will flash the **dvd** LED, indicating that the device is in the DVD mode and successful transmission of infrared signal to the DVD player.

## Room Environments with Multiple Beds and TVs:

There are two equipment configuration options available when using the Crest Elite Infrared Pillow Speaker in room environments with multiple beds and TVs. The grade/type of TVs in use (healthcare-grade, commercial or consumer) will determine the feasibility of the options. When healthcare-grade or commercial TVs are in use, TVs and the pillow speakers can be paired using the TV's multiple IR code capability. Pairings are referred to as Bed 1, 2, 3, 4, etc. With this configuration, one TV is set to Bed 1 and then the pillow speaker that will be used with that particular TV is programmed as Bed 1. Another TV and pillow speaker in the same room is paired in the same way as Bed 2. This pairing method is continued until each TV and pillow speaker in the same space has been paired.

Alternatively, TVs of any type (healthcare-grade, commercial and consumer) will function with the Crest Elite Infrared Pillow Speaker so long as no TV in the same room accepts the same IR code.

## IPTV and Crest Infrared Pillow Speakers:

IPTV refers to the delivery of the TV content/channels via Ethernet. Usually there is a cable box placed between the TV and the Ethernet connection which is equipped with an IR receiver. New smart TVs may include the cable box inside the TV. Regardless of the set-up, Crest IR Pillow Speakers are capable of operating the IPTV.