



## Wireless Key Chain Remote Control

Cat. No. HCCKR

### OPERATING INSTRUCTIONS



DI-000-HCCKR-00A-Pilot

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#### FEATURES

- Controls 2 sequential addresses, ON/OFF
- Works with DHC plug-in RF transceivers
- User programmable addresses; easy to program
- Up to 75 feet transmission range
- Small compact design

#### DESCRIPTION

The Leviton Wireless Key Chain Remote Control, Cat. No. HCCKR is designed for use with the DHC RF (Radio Frequency) Transceiver System. The system uses radio frequencies (like a 2-way radio) to transmit DHC commands to remotely turn ON and OFF lights and devices in the home. The remote control will permit the operation of devices with two different "addresses" the control of different lights and loads. The device allows the user to select a specific address for the first control buttons, while the second buttons are set to the next sequential address. The device will transmit up to 75 ft. making it useful to turn ON/OFF lights and loads while in home or driveway.

#### APPLICATIONS

The HCCKR Key Chain Remote RF Transmitter must be used in conjunction with the DHC RF Transceiver, such as Cat. No. HCPRF.

#### FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

#### SETUP

The transmitter is pre-programmed to control DHC devices set at "A1" and "A2" addresses. ON/OFF buttons "1" are assigned to "A1" and ON/OFF buttons "2" are assigned to "A2". If other addresses are desired, follow the programming procedure to change the address of the first and second buttons.

**NOTE:** The second button will always be the next sequential address after the first button is programmed (i.e., if the first button is "C3", the second button is "C4"). If the first button is assigned to the highest number code, the next button would operate the lowest number code (i.e., after address "C16", the next sequential code would be "C1").

#### PROGRAMMING AND OPERATION

The HCCKR has 4 push-button and an LED (refer to Figure.1). There are 2 pairs of buttons to control 2 DHC addresses as follows:

- The "OFF" buttons will turn OFF devices on 2 sequential addresses.
- The "ON" buttons will turn ON devices on 2 sequential addresses.

Press and hold the appropriate button for the intended function. The LED will light and the device will send the "Radio Signal" command.

The unit can be used to program the address on the DHC RF Transceiver to control its local load as follows:

1. Press and hold the program button on the transceiver until its LED flashes.
2. Press the "ON" button of either ID 1 or 2.
3. The LED on the transceiver will stop flashing. The transceiver will learn the code sent. If a light is connected to the receiver, it will turn ON.

The Key Chain Remote Control when used with the transceiver, can also be used to operate other DHC controls (i.e., additional RF Transceivers, Plug-In Dimmers, Wall Mounted Dimmers and Switches). Those devices can be programmed to respond to the Key Chain Remote Control in conjunction with the RF Transceiver load or separately.

#### To Change Code Settings:

The unit is preprogrammed at the factory with code A1 assigned to button 1 and "A2" assigned to button 2. Button 1 can be changed to any desired code; button 2 will automatically be assigned the next sequential number above it. **Programming is as follows:**

1. To enter programming mode, press and hold buttons "1-ON" and "1-OFF" simultaneously.
2. The LED will flash while unit is transmitting. After a few seconds, the LED will stop flashing. The LED will now flash once every few seconds to indicate that the unit is in the programming mode. THE UNIT IS NOW INITIALIZED TO "A1".
3. TO CHANGE THE HOUSE CODE (LETTER CODE):
  - a. Press the "ON-1" button, the Remote will set to House Code "A".
  - b. For each repeated press of the "ON-1" button, the House Code will be set to the next incremental letter code (i.e., 1 push = "A", 2 total pushes = "B", 3 total pushes = "C", ... 16 total pushes = "P".



**4. TO CHANGE THE UNIT CODE (NUMBER CODE):**

- a. Press the "OFF-1" button, the Remote will set to Unit Code "1".
- b. For each repeated press of the "OFF-1" button, the unit code will be set to the next incremental number code. (i.e., 1 push = "1", 2 total pushes = "2", 3 total pushes = "3", ... 16 total pushes = "16")

**5. TO COMPLETE PROGRAMMING:**

Press the "OFF-2" or "ON-2" button. The LED will stop flashing and the new code will be entered into memory.

**NOTE:** When the Unit (number) Code for button "1" is entered as "16", then button "2" will be assigned Unit (number) Code "1".

**An alternate method of programming is available (if desired) to match the code of an existing device when its code is not known.**

**Programming is as follows:**

1. Place unit in programming mode per directions.

**2. TO FIND THE HOUSE CODE (LETTER CODE):**

- a. Determine what device (transceiver, dimmer, or switch) you want to control from the Remote. Verify that the device is set so the load is OFF.
- b. Press the "ON-1" button. The Remote will set to House Code "A" and send an "ALL 'A' ON" command. Note whether the intended device (transceiver, dimmer, or switch) responds by turning its load ON.
- c. If the device does not turn ON, continue to press the "ON-1" button. This will increase the letter code one letter for each push. When the selected House (letter) Code matches the House Code of the intended device (transceiver, dimmer, or switch), it will turn ON its load.

**3. TO FIND THE UNIT CODE (NUMBER CODE):**

- a. While still in the program mode, use the device previously set for the proper House (letter) Code.
- b. Press the "OFF-1" button. The remote will set to Unit Code "1" and send an "X1-OFF" command with "X" being the House (letter) Code determined in the above step. Note whether the intended device (transceiver, dimmer, or switch) responds by turning its load OFF.
- c. If the device does not turn OFF, continue to press the "OFF-1" button. This will increase the Unit (number) Code one number for each push. When the selected Unit (number) code matches the unit code of the intended device (transceiver, dimmer, or switch), it will turn OFF its load.
- d. Complete programming by pressing button "OFF-2" or "ON-2".

**NOTE:** When a new code is set, it will remain in memory until either it's reset to A1 or another code is selected.

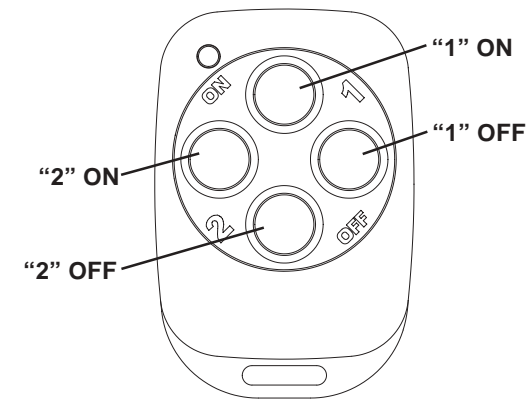
**CHANGING BATTERY**

1. Using a small screwdriver, gently pry apart the 2 halves of the key chain housing (refer to Figure 3).
2. The battery is found in the holder in the back housing.
3. Carefully remove the battery from the holder.
4. Replace with a fresh battery observing proper polarity. **USE ONLY A CR2032 LITHIUM BATTERY.**
5. Assemble key chain remote by aligning the 2 housing halves together. Squeeze until the housings snap together.

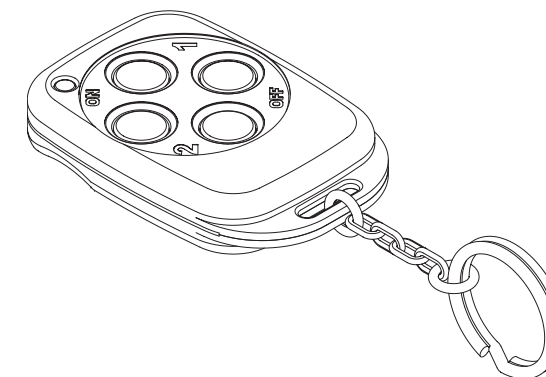
**TROUBLESHOOTING**

- Lights and loads do not respond; LED does not flash when buttons are pushed
  - Battery weak or exhausted – replace battery.
  - Battery installed incorrectly – check battery for proper polarity.
- Lights and loads do not respond and LED flashes when buttons are pushed
  - Out of range – Units range is limited to 75 feet. Move closer to transceiver location.
  - Codes not properly set on key chain transmitter, transceiver, or other DHC devices – properly set code of key chain and/or transceiver, to match devices.
- Some lights and loads do not respond and LED flashes when buttons are pushed
  - Codes not properly set on key chain transmitter, transceiver, or other DHC devices – properly set code of key chain and/or transceiver, to match devices.

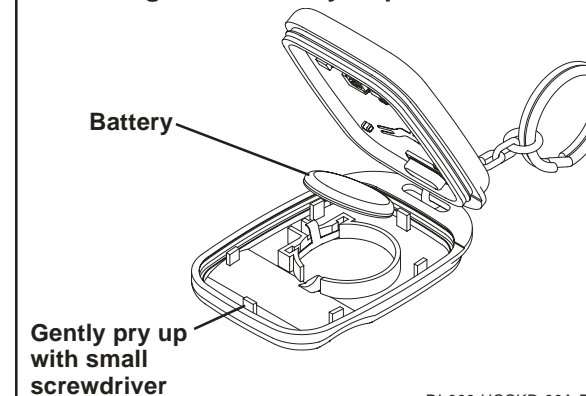
**Figure 1 - Remote Functions**



**Figure 2 - Remote w/Keychain**



**Figure 3 - Battery Replacement**



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