

HX-RFBT15 V1.1

Category: LED Dimming Drivers and Accessories

Source model: HX-RFBT15 V1.1

Internal reference: HOION-CTRL-115

Product Overview

RF2.4G Knob Remote Controller

Technical Details

Features:

- 1) Working voltage: 3V (AAA*2);
- 2) DIM/CCT/RGB/RGBW 4 in 1;
- 3) Come with holder, easier access and keeping;
- 4) Easy to access and store with magnetic suction;
- 5) Circular knob design, unique interface and easy operation;
- 6) Functions: ON/OFF, dim function, colors, dynamic modes;
- 7) Adopts RF 2.4GHz wireless control, remote control distance up to 30m and no directional;
- 8) RFBT15 compatible with HD/HC/QD/QC/DLC/DLS/DLK/T2/T3 series products, please contact hoion for more information;
- 9) 3 years warranty.

Technical Parameters

| Working temperature | -20-60℃ | Working voltage | 3V(AAA*2PCS)

| Sleep current | <25uA | Emission current | <17mA

| Sleep power consumption | <75uW | Emission power consumption | <51mW

| Net weight | 80g | Dimension | Φ60*35mm

| RF distance | ≤30m | RF frequency | 2.4GHz

| Accessories | holder 1pc, 3M foam sponge glue 1pc.

Control Function

Function:

DIM (work with single color receiver)

ON/OFF: Short-click

Adjusting brightness: Rotating

Modes: Double-short-click

CCT(work with CW+WW receiver)

ON/OFF: Short-click

Adjusting brightness: Rotating

Adjusting CCT: Pressing+Rotating

Modes: Double-short-click

RGB(work with RGB receiver)

ON/OFF: Short-click

Adjusting brightness/speed: Rotating

Adjusting color: Pressing+Rotating

Modes: Double-short-click

RGBW(work with RGBW receiver)

ON/OFF: Short-click

RGB/W switching: 2s-long-pressing

Adjusting brightness/speed: Rotating

Adjusting color: Pressing+Rotating

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Modes: Double-short-click

Hotkey: 3 times-short-click to overall ON/OFF

Tips: More details of the functions are showed in the receivers instruction.

Wireless remote control code value setting method

The number of controllers and remote controls in one system is unlimited. 2.4G Smart system has one unique RF code for communication. Each controller and each remote control can remember only one RF code, recorded in the first programing. New RF code can be recorded after delete the old one.

Code matching operation: the receiver will only be controlled by the value code remote control.

| Step | Operation | Instructions

| 1 | Connecting the load to the receiver and power on it. | 1.It is necessary to clear the code first, if the receiver was coded before.

2.Batch operation can be performed within the remote control range.

3. Please remember to cut off other un-code zones power, or will be paired together.

| 2 | Press and hold "C" on the remote control for 5 seconds | The indicator of the remote control will flash quickly, see the load light flashes 3 times and return to the initial state, means matching coding is finished successfully

| 3 | Press any key to exit and end the operation | Also will automatically exit code transmission status after 60 seconds

Code clearing operation: that the original code value of the receiver will be cleared and returned to the factory state. Then it can be controlled by any compatible remote control, also can be paired to a new code.

| Step | Operation | Instructions

| 1 | Connecting the load to the receiver and power on it. | 1. The clearing operation should be finished within 1 minute after the receiver is powered on.

2. Batch operation can be performed within the remote control range.

| 2 | Press and hold "D" on the remote control for 5 seconds | 1. The indicator of the remote control will flash quickly, see the load light flashes 3 times and return to the initial state, means pairing coding is finished successfully.

2. If the original remote control is lost, the new remote control can be used for clearing operations.

| 3 | Press any key to exit and end the operation | Also will automatically exit code transmission status after 60 seconds.

Code learning operation between remote controls: Used to unify system code values or copy a new remote control.

Since each remote control has its own unique RF code at the time of delivery, when there are multiple remote controls in one system, one of them must be selected as a main, and other remote controls should copy its RF code.

1)
Main remote control: Press and hold
"C" key for 5 seconds. The indicator of the remote control will flash quickly, means it enters the pairing code transmission status.

2)
New remote control: Press and hold
"B" key for 5 seconds, indicator will turn from 100% to off means it enters learning code status.
3) Indicator of the new remote control flash three times after successful code learning.

Remote control RF code learning from controllers

1) Turn off the power supply of the controllers.
2) Press and hold
"B" key for 5 seconds until indicator of remote control turns off.
3) Turn on the power supply of the controllers. Indicator of the remote control flashes three times after successful code learning.

Note: The distance from controllers to remote controls should be less than 2 meters.

Restoring factory settings of remote control

1) Press and hold "
B" key for 20 seconds until indicator of remote control process the state as 100% -off-100%.
2) Press
"D" button to submit and finish the operation. Indicator of the remote control will flash three times after successful operation.

Remote control accessories installation instructions

Accessories include holder 1pc, 3M foam sponge glue 1pc,AAA batteries 2pcs.

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Installation instruction:

Using 3M foam sponge glue make free drilling installation of the holder onto the suitable wall or furniture surface.

Placing Knob on the holder to operate the controlling, or take the knob and use it on any tabletop as convenience.

Compatible family

| Recevier Sr. | Receiver type | Application | Function | Marks

| HD | Constant current | Single color | ON/OFF Dim |

| HC | Constant current | CCT | ON/OFF Dim+CCT |

| DLC | Constant current | Single color/CCT | ON/OFF Dim+CCT |

| HD-LV/HC-LV | Constant voltage | Single color/CCT | ON/OFF Dim+CCT |

| T2/T3 | Constant voltage | Single color | ON/OFF Dim |

| MINI005 | Constant voltage | Single color/CCT/RGB/RGBW | ON/OFF Dim

Static colors(CCT/RGB/RGBW)

Dynamic modes |

| DLS001 | 2.4G to 0-10V module | Single color | ON/OFF Dim | Loaded by 0-10V dimmable drive

| DLK001 | RF switch module | Single color | ON/OFF | Loaded by undimmable drive

| WP86-AP | RF wireless signal repeater | Full series of 2.4G products from Hoion. | Expand the remote control and wireless-sync distance. |

Compatible with all resies 2.4G products from Hoion.

Packing

Product information for placing order

| Product name | Item number

| RF 2.4G knob remote control | HX-RFBT15

Source reference: <https://www.hoionlighting.com/a/pics/ledkongzhiqi/2021/0416/305.html>