

HX-RFBT-DIM-2.4G V1.1

Category: LED Dimming Drivers and Accessories

Source model: HX-RFBT-DIM-2.4G V1.1

Internal reference: HOION-CTRL-117

Product Overview

RF 2.4G Dimming Remote

Technical Details

Features:

- 1. Product supply voltage is 3V(AAA*2);
- 2. Adopt 2.4G wireless control, with feature of long distance and non-directional control;
- 3. Full keys design, unique interface, simple operation;
- 4. Work stable, low power consume, long standby time;
- 5. RFBT-DIM-2.4G match with HD/QD series dimming driver;
- 6. 3 years warranty.

Technical Parameters

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

| Sleep current | 18uA | Emission current | 25mA

| Sleep power consumption | 54uW | Emission power consumption | 75mW

| Net weight | 65g | Dimension | L150*W40*H20 (mm)

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

| Dimming level | 1024 | Battery Life | 2 years

Remote Control Direction of Use

Function of each key as below

Name of Key	Instruction
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Set button	Blank key
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ON	ON in any time
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OFF	OFF in any time
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Brightness +	Increase light brightness(from darkest to brightest long press 6 seconds)
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Brightness -	decrease light brightness(from brightest to darkest long press 6 seconds)
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Hot brightness key +	10%,30%,70%,100% 4 levels brightness selection key, lights will go to last one after each pressing.
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Hot brightness key -	10%,30%,70%,100% 4 levels brightness selection key, lights will go to next one after each pressing.
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Mode key	100% static
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Night light	5% brightness
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DIY 1/DIY 2	Adjust the preferable light effect, long press DIY key for more than 3 seconds, the lights will gradually change once, that is saved successfully
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Delay button	Press this key light will flash twice Output will off after 30 automatically, this function could be canceled by On/Off Keys
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Wireless remote control code value setting method

HX-RFBT-DIM-2.4G V1.1

The biggest advantage of this system is that it can not only solve the cabling problem in engineering wirelessly, but also realize a wired-like operation experience. In order to facilitate the early testing and debugging of the project, the factory status of the receiver is normally unpaired and each remote controller has a unique code value. The user should perform the matching work of the remote controller and the receiver during the installation of the project to avoid the mutual influence of the radio frequency remote control technology during the later use.

Please pay attention to the following 3 points before operation:

- 1) All equipment in the complete system after installation should have a unified and unique code value, so as to achieve the security and stability of the system.
- 2) The receiver can only store one code value and cannot be overwritten. Before learning the new code value, it is necessary to clear the original code of the receiver; the remote controller can only save one code value but can be overwritten and can also restore the factory settings. In order to facilitate the later maintenance, the three components that may be involved in the system (including receivers, handheld remote controllers, and panel remote controllers) can realize mutual learning of code values.
- 3) Since the receiver performs code value learning in the power-on state, in order to avoid confusion in the area, it is recommended that each area has an independent power switch so that the power of other areas can be easily cut off when the code is being operated.

1/4

1

1/4

Code pairing operation: means that the receiver will only be controlled by the value code remote controller.

| 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.

| 2 | Press and hold "ON" on the remote control for 5 seconds, the indicator of the remote control will flash quickly, means it enters the pairing code transmission status. | Will automatically exit code transmission status after 60 seconds, or pressing any key to exit.

| 3 | See the load light flashes 3 times and return to the initial state | Pairing coding is finished successfully

1/4

2

1/4

Code clearing operation: means 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 controller, and can learn 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 5 minutes after the receiver is powered on. If exceeds the time, can be powered on again.

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

| 2 | Press and hold the remote control "Off" for 10 seconds. The indicator of the remote control flashes quickly, means it enters the clearing code transmission status. | 1. Will automatically exit code transmission status after 60 seconds, or pressing any key to exit.

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

| 3 | See the load light flashes 3 times and return to the initial state | Clearing coding is finished successfully

1/4

3

1/4

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

Since each remote controller has its own unique code at the time of delivery, when there are multiple remote controllers in one system, one of them (for example, remote controller A) must be selected as the system code value, and the code value of the rest remote controllers (for example, remote controller B) should be copied to the same one.

| Step | Operation | Instructions

| 1 | A remote control: Press and hold "ON" on the remote control for 5 seconds, the indicator of the remote control will flash quickly, means it enters the pairing code transmission status. | Will automatically exit code transmission status after 60 seconds, or pressing any key to exit.

| 2 | B remote control: long press "mode key" for 5 seconds, the remote indicator light changes from 100% light to 5% light and flash, means entering the code value receiving state | Will automatically exit the code value receiving state after 30 seconds, or exit after learning the code value successfully.

HX-RFBT-DIM-2.4G V1.1

| 3 | see the B remote control indicator light flash 3 times | Code copying is finished and exit code value receiving status.

(4) The remote controller restores the factory setting: it means that the remote controller will be restored to the factory's unique code value.

| Step | Operation | Instructions

| 1 | Long press "mode " for 20 seconds | The remote indicator light dim down and flashes continuously until the 20th second and then back to 100% light. Means this step is finished.

| 2 | Press the "OFF" to confirm, the remote indicator light flashes 3 times | Restore factory settings successfully.

Source reference: <https://www.hoionlighting.com/a/pics/ledkongzhiqi/2021/0416/307.html>