Product specification

Product description: RF 2.4G Remote Control

Model: HX-RFBT03

Version: V1.1

Release date: 2021/06/16

Product Name	RF 2.4G Remote Control		
Series	RFBT		
Version Record			
Version	Change description	Release date	Compatibility with the previous version
V1.1	Original version	2021/06/16	

Customer confirms, Company name:

Test	Confirm	Audit

Complete model no according customer's demand:

NO 1		NO 2	
NO 3		NO 4	

1. Product photo

2. Features:

1) Working voltage: 3V (AAA*2);

2) Adopts RF 2.4GHz wireless control, remote control distance up to 30m and no directional;

3) Unique interface, and easy to operate;

5) Come with holder, easier access and keeping;

6) Two way for accessories installation, flexible choice;

7) Compatible with SPI01 controller;

8) 3 years warranty.

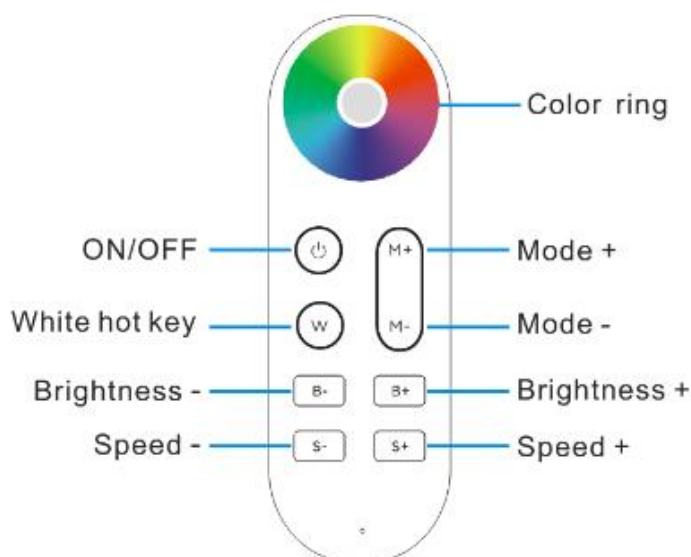## 3. Technical Parameters

Working temperature	0-40℃	Working voltage	3V （AAA*2PCS）
Sleep current	<20uA	Emission current	<20mA

Sleep power consumption	<60uW	Emission power consumption	<60mW
Net weight	30g	Dimension	L108*W36*H22 (mm)
RF distance	≤30m	RF frequency	2.4GHz
Accessories	bracket 1pc, 3M foam sponge glue 1pc, screw 2pcs, expansion tube 2pcs.		

4. Direction for use

The remote control function keys are composed of 1 color ring and 8 buttons. The functions are as follows:

Button	Function description
☉	ON/OFF in any time
🌈	Static color options, digital tube will display "H000", brightness is adjustable by B+/B-.
W	Static white color hotkey, digital tube will display "H007"
M+	Mode up (136 modes in total). Long-press can get fast adjusting.
M-	Mode down (136 modes in total). Long-press can get fast adjusting.
B-	Brightness – for static colors by 100 levels. Long-press can get fast adjusting.
B+	Brightness + for static colors by 100 levels. Long-press can get fast adjusting.
S-	Speed down for dynamic mode (100 levels). Long-press can get fast adjusting.
S+	Speed up for dynamic mode (100 levels). Long-press can get fast adjusting.

5. 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 ☼ (ON/OFF key) on the remote control for 5 seconds	The RF indicator on 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 "M+" 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 clearing 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 (ON/OFF key) for 5 seconds (the color of color ring light on the remote control can be red or green). The RF indicator of the remote control will flash quickly, means it enters the sending code transmission status.

2) **New** remote control: Press and hold "M+" key for 5 seconds, indicator will turn from 100% to off and the color of color ring light on the remote control will be blue, means it enters learning code status.

3) The RF Indicator of the new remote control flash 3 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 "M+" key for 5 seconds until indicator of remote control turns off.
3) Turn on the power supply of the controllers. The RF indicator of the remote control flashes 3 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 "M+" key for 30 seconds until the RF indicator of remote control process the state as 100% -off-100%(the color ring light state as off-blue-off at the meanwhile).
2) Press "W" key to submit and finish the operation. Indicator of the remote control will flash three times after successful operation.

About installation of remote control's bracket:

1.Accessories include: bracket 1pc, 3M foam sponge glue 1pc, screw 2pcs, expansion tube 2pc.

2. There are 2 options for bracket installation:

1) Using screw and expansion tube make drilling installation (suitable for uneven and ash surface);

2) Using 3M foam sponge glue make free drilling installation (suitable for flat no ash surface).

Product information for placing order

Product name	Item number
RF 2.4G Remote Control	HX-RFBT03