EVERSTAR

Smart Wireless Technology

DATASHEET
ES-CCT-2.4G

PRODUCT SPECIFICATION

Product description : RF 2.4G Multi-zone Dual White Remote
                       (CCT)

Version   : 1.0
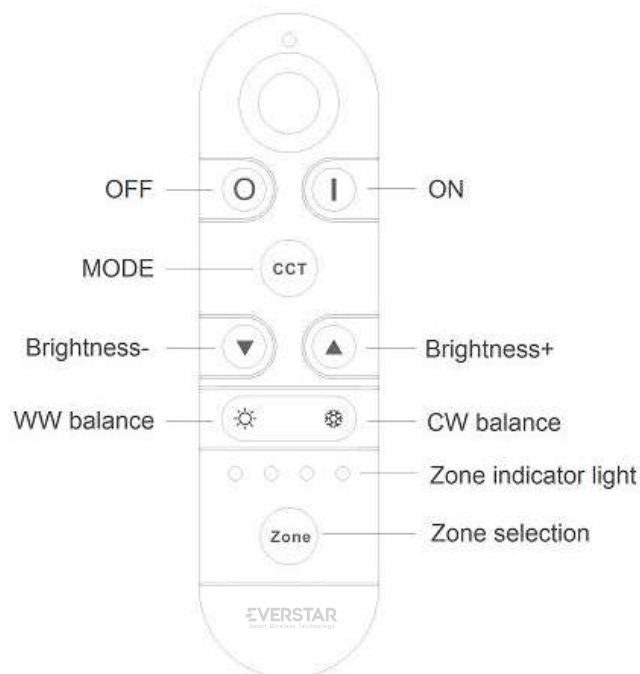
1. PRODUCT PHOTO

2. FEATURES

- Working voltage: 3V (AAA*2);
- Adopts RF 2.4GHz wireless control, remote control distance is long and no directional;
- Full button design, unique interface, and easy to operate;
- Simply zone control function: single zone control or overall control, controlled area showed with indicator light, more intuitive
- Suspended storage method, easier access and keeping;
- Two way for accessories installation, flexible choice;
- Two color optional: black/white;
- RFBK-CCT-2.4G compatible with HC/QC series CCT dimming drivers;
- 3 years warranty.

3. TECHNICAL PARAMETERS

Working temperature	-20-60°C	Working voltage	3V （AAA*2PCS）
Sleep current	<25uA	Emission current	<30mA
Sleep power consumption	<75uW	Emission power consumption	<90mW
Net weight	55g	Dimension	L148*W40*38 (mm)
RF distance	≤30m	RF frequency	2.4GHz
Accessories	Remote control rack, 3M foam sponge glue, M4 double-headed self-tapping screws, φ6 expansion tube, battery, manual		

4. DIRECTION FOR USE

Each buttons function as below:

Name of key	Description
ON	ON in any time
OFF	OFF in any time
Mode	**3 static modes**：warm white, cool white, pure white
Brightness +	The brightness will add 1 level after each time press. Long-press can get fast adjusting.
Brightness -	The brightness will reduce 1 level after each time press. Long-press can get fast adjusting.
CW balance key	Balance to cool white. Long-press can get fast adjusting.
WW balance key	Balance to warm white. Long-press can get fast adjusting.
Zone selection key	Selection for the control zone (The corresponding zone indicator will light up when selected, support single zone control and overall control)

Remark：Short press the zone selection key is for switch between the single zones; Long press the zone selection key for more than 3s is for all zones selection, 4 indicator lights will light up at the same time, and overall control for lamps from all zones.

Wireless remote control code value setting method

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）**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	Select area	Select the area with the "Zone" key and the corresponding indicator lights up
3	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.
4	See the load light flashes 3 times and return to the initial state	Pairing coding is finished successfully

（2）**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	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

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	the clearing code transmission status. There is no need to select the corresponding area when clearing code.	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

（3）**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.
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.

5. Remote control accessories installation instructions

1）Remote control accessories list as below:

Remote control rack 1pc   3M foam sponge glue 1pc

M4 double-headed self-tapping screw 1pc   φ6 expansion tube 1pc
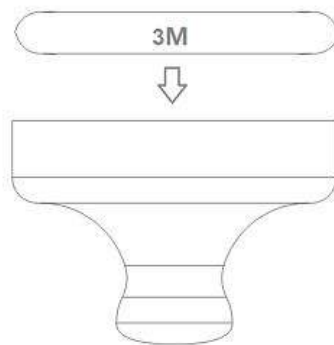
2）Remote control rack installation instructions:

There are two different installation methods for the remote control rack, customers can choose to install according to the different situation;
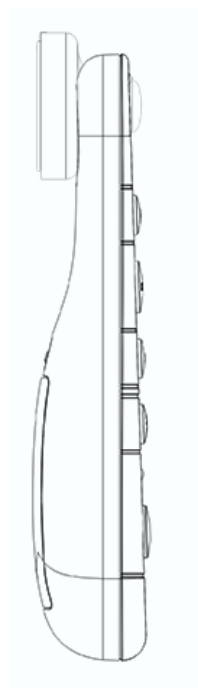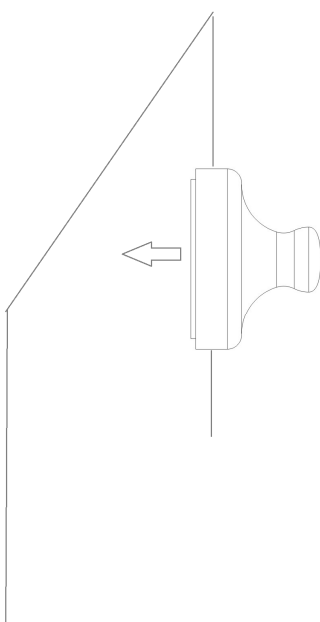
The first installation method: free drilling installation (for flat no ash surface)

（1）First, tear off the protective film for one side of 3M foam sponge glue, then affixed it on the behind circle of the remote control rack;
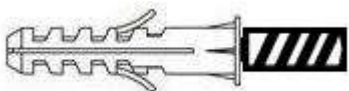

（2）Tear off the protective film for other side of 3M foam sponge glue, and stick the remote control rack on the place where you want to stick.

（3）Hang the remote control on the rack after installation

The second installation method: free drilling installation(suitable for uneven and ash surface)

(1) Drill a hole on the wall with a 6mm drill bit;

(2) Install the φ6 expansion tube in the hole;

(3)Twist the tip end of the M4 double-headed self-tapping screw into the expansion tube;

(4) Install the remote control rack on the screw like below

(5) Hang the remote control on the rack after installation