

RF remote controller RGBCCT (RGB+CW-WW) and all other color combinations

TRU-CONRGBCCT-RECRGBCCT adopts the most advanced PWM (Pulse Width Modulation) digital control technology, it is used for controlling a new type constant voltage LED RGB+CW-WW lamps. For instance, point source of light, flexible light strip, led modules, led strings and so on; It belongs to low-voltage DC power input and output with four interfaces, including + V is extremely common interfaces, the other five for the R,G,B,CW,WW control interface. Meanwhile, you could adjust brightness, static color choices and dynamic change in lighting effects through RF 14keys remote control.



Product Features

- The remote control requires 2x AAA batteries – NOT included
- Designed for RGB constant voltage LED lights, Working voltage DC12-24V.
- Five channels output, R/G/B Max: 4A *3CH CW/WW Max: 8A*2CH
- Adopts RF 14keys remote control with fashion appearance, no need line-of-sight. Control range up to 20 meters.
- Memory function, each time power-on reserve the mode which stop in the last power-down.
- 13 modes in total, including 12 static colors and 1 dynamic change.
- The brightness of static color is adjustable, 256 levels in total;
- Long-press the brightness key can get the fast adjustment, convenient for operation.
- Warranty of this product is 2 year, exclude the artificial situation of damaged or overload working.

Datasheet

Item no. 1688482

Controller

Working Temperature	Output power	Supply voltage	DC12V-24V
Static power consumption	<1W	Connecting mode	Common anode
Grayscale	256 levels	External dimension	L91×W90×H24mm
Net weight	256 levels	Gross weight	300g
Output	5 channels	Max. Output current	R/G/B Max:4A*3ch, CW/WW Max: 8A*2ch
Mode	13	RF distance	ca. ≤20m
RF frequency	433.92Mhz	Memory function	support
Output power	12V:<336W, 24V:<672W		

Remote control

Working temperature	-20°C ~ 60°C	Supply voltage	DC3V (AAA*2)
Standby current	<18uA	Working current	<25mA
Standby power	54uW	Working power	75mW
Net weight	65g	RF frequency	433.92MHz
External dimension	L150*W40*H20 mm	RF distance	ca. ≤20m

Interface Specifications

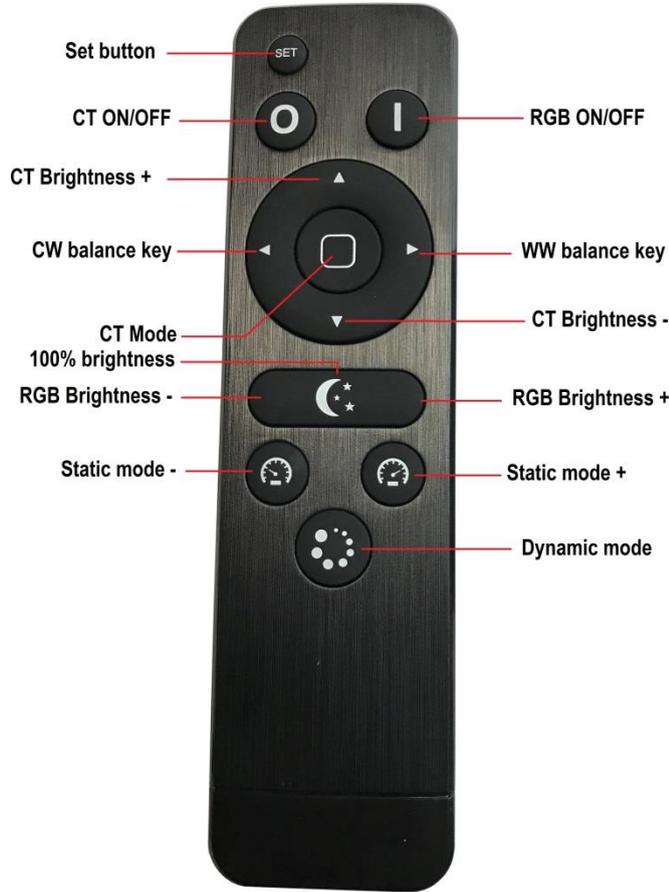


Direction for use

- Connect the load wire at first, followed by the power wire; Please ensure short circuit can not occur between wires before turning on the power ;
- Adopts RF remote technology, 14 buttons in total;

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The function of buttons are shown as below:

No	Patterns	Remarks
1	Static red	Brightness is adjustable
2	Static green	
3	Static blue	
4	Static white	
5	Static orange	
6	Static light green	
7	Static dark blue	
8	Static milk white	
9	Static yellow	
10	Static cyan	
11	Static purple	
12	Static green-white	
13	Seven-color gradient changing	

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Name	Description
CT ON/OFF	ON or OFF in anytime for CT
RGB ON/OFF	ON or OFF in anytime for RGB
CT Brightness+	CT: The brightness will add 1 level after each time press. Long-press can get fast adjusting.
CT Brightness-	CT: 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.
CT Mode	Hot key for 3 CCT full-light: 100% CW, 100% WW, 100%CW+100%WW,
RGB Brightness+	RGB each time pressing brightness +1, 256 levels in total, long-pressing can get fast adjustment
RGB Brightness-	RGB each time pressing brightness -1, 256 levels in total, long-pressing can get fast adjustment
100% brightness	press this key goes to 100% brightness for the present color
Static mode+	For static color selection(1-12), each time pressing static mode+1
Static mode-	For static color selection(1-12), each time pressing static mode-1
Dynamic mode	Seven-color gradient changing; Switching speed;

Tips: Receiver can be controlled by any one the same remote as factory default; RFBT remote control delivered with unique RF code as factory default; if unique-control is needed, please matching the code before installation and using.

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Matching code operation

If unique-control or new-coded-remote is needed, pairing the remote and the receiver as below operation instruction before using:

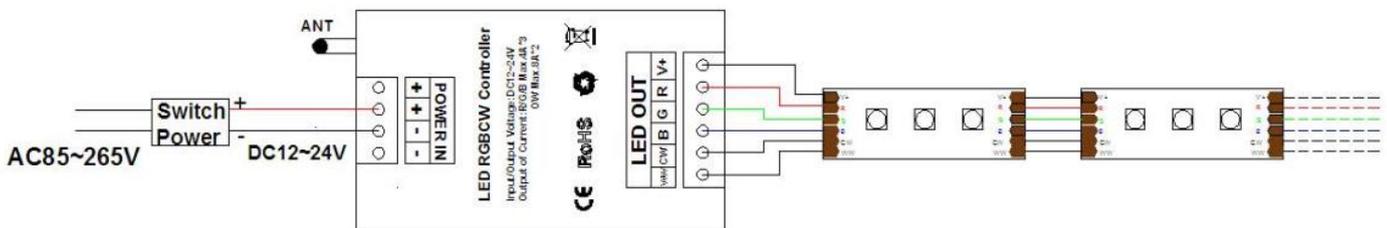
1. **Step 1:** Pressing key “set” and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.
2. **Step 2:** Continuously to press the key “CT mode “ for 3 times within 5 seconds after step 1 ,the brightness of LEDs will change from 25% -10% as responding.
3. Code learning successfully, the LEDs will be back to the status before the power off, and the receiver only can be control by the remote.
4. If not, please re-operate from step 1 to 2.

Clear code operation

Back to factory default, receiver can be controlled by any one the same remote control.

1. Step 1: Pressing key “set” and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.
2. Step 2: Continuously to press “Dynamic mode “ 3 times within 5 seconds after step 1 ,the brightness of LEDs will change from 25% -10% as responding.
3. Code clearing successfully, the LEDs will be back to the status before the power off, and the receiver can be controlled by any remote control (any one the same remote control can be used to clear the code).
4. If not, please re-operate from step 1 to 2.

Typical Applications



Product information for placing order

Product name	Item number
RF remote controller RGBCCT	TRU-CONRGBCCT-RECRGCCT