USER MANUAL

Ultralux RF Controller for RGBW LED lights – RGBWRFC24

Technical details:

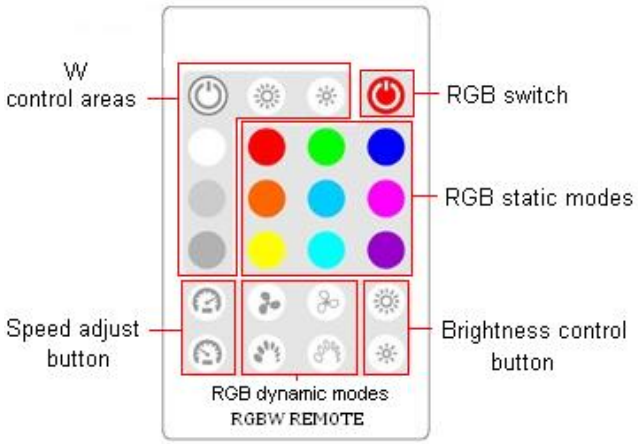
- Working temperature: -20 ÷ +60˚C
- Working Voltage: DC 12V ÷ 24V
- Connection mode: common anode
- Dimensions: 91/88/24 mm
- Output current: 4 x 8 A
- Max. output power: 384W (12VDC), 768W (24V DC)
- Frequency: 433.9 MHz
- Remote distance: Up to 20 m
- Static power consumption: <1W

Product Features:

- Designed for RGBW constant voltage LED lights, Max.output:4*8A.
- Working voltage DC12-24V, it can be universal in this range.
- Adopts PWM digital technology, signal frequency: 400Hz.
- Multiple controllers can work synchronically when connected by network cable through the RJ45 connector, the network cable between 2 ports up to 80 meters.
- RF 24-key wireless remote, RF frequency: 433.92MHz.
- “W” channel can be turn on/off and adjust the brightness independently, and 3 brightness level hot keys.
- 13 kind modes for RGB part, including 9 static colors and 4 dynamic changes; the brightness of static color and the speed of dynamic changes are adjustable.

Direction for use:

Adopt RF wireless 24-key remote control, function of each button as below ：



W on/off	W brightness +	W brightness -	RGB on/off
100%	Static red	Static green	Static blue
50%	Static orange	Static sky blue	Static carmine
25%	Static yellow	Static cyan	Static purple
Speed +	Three colors jump change	Three colors gradually change	brightness +
Speed -	Seven colors jumping change	Seven colors gradually change	brightness -

RF CODE

Matching code operation

Receiver and Remote Control are coded as default, if new-coded-remote is needed, pairing the remote and the receiver as below operation instruction before using:

Step 1: Pressing key "Seven color gradually change" and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

Step 2: Pressing "Seven color gradually change" 3times more in 3 seconds, corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.

Code learning successfully, the receiver only can be controlled by the remote.

If not, please re-operate from step 1 to2.

Only the latest paired 4 remote controllers can be recognized.

Clear code operation

Clear the code, the receiver will can be controlled by any one the same remote control.

Step 1: Pressing key "Seven colors jumping change" and hold on, power on the controller, the load LEDs will be 50% brightness white as responding.

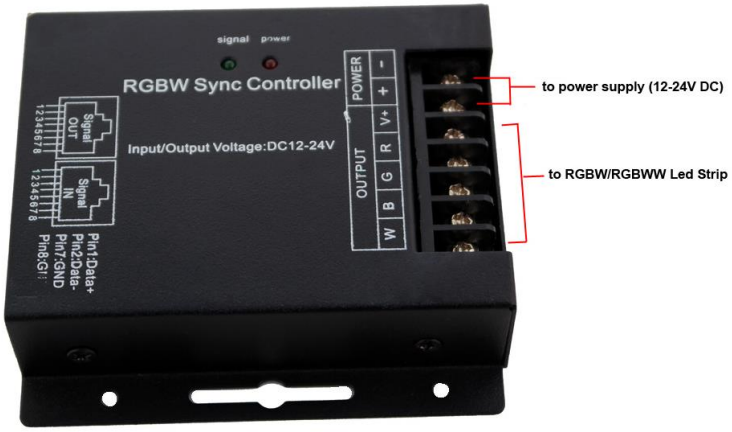
Step 2: Pressing "Seven colors jumping change" 3 times more in 3 seconds, corresponding to the operation, the LED's brightness will change as 25%-10%-back to preset level.

Code clearing successfully, the LEDs will be back to the status before the power off, and the receiver can be controlled by any one remote control.

If not, please re-operate from step 1 to 2.

Interface Specifications

1. Power and load interface:

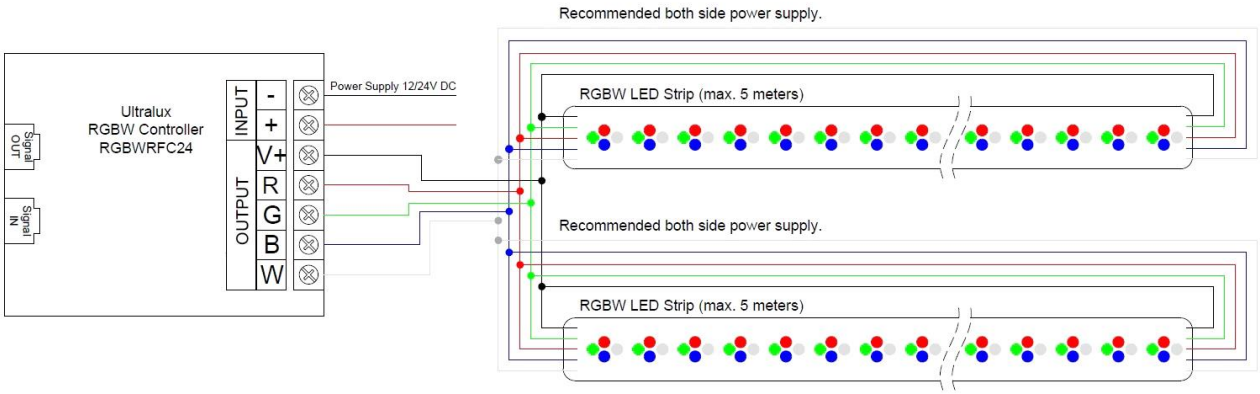


2. Synchronization function

Multiple controllers can work synchronically when connected by network cable through the RJ45 connector.

RJ45 Internet Cable Sync Interface

Typical connection diagrams



Note:
The installed power of the LED strips must be in accordance with the controller.

Synchronization function with network cable (MASTER-SLAVE mode)