

# RF20160226A Wireless RGBW Controller

## Product Instruction



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## Contents

1. Summarization.....	2
2. Technical parameters.....	2
3. External dimension.....	2
4. Interface.....	3
5. Instruction.....	3-5
6. Typical Applications.....	5



Dimmer is a stepless dimming controller with button or remote control. User can adjust the brightness according to demands.

## 2. Technical parameters

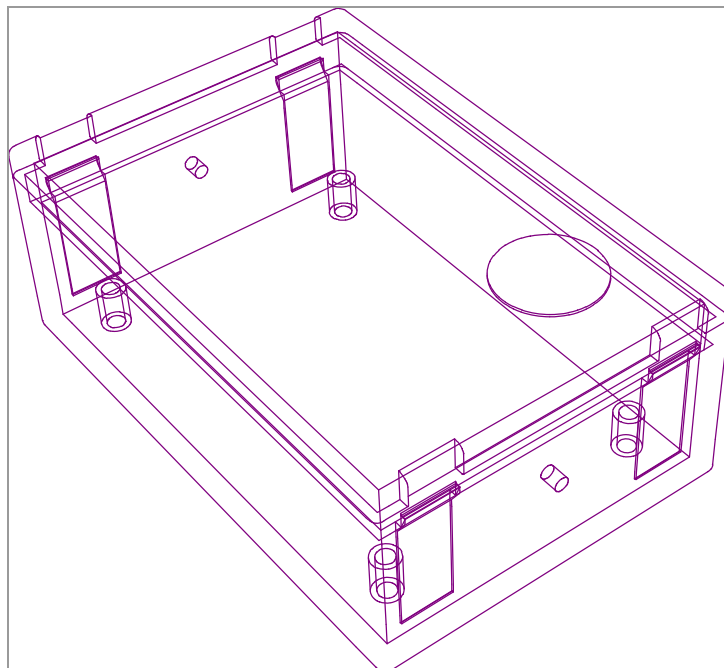
### 2.1 Controller parameters

- 2.1.1 Working temperature:  $-20^{\circ}\text{C}$ – $60^{\circ}\text{C}$
- 2.1.2 Supply voltage: DC5V
- 2.1.3 Output: 4 channels
- 2.1.4 Static state consumption:  $<0.5\text{W}$
- 2.1.5 Output current:  $<4\text{A} \times 4\text{CH}$
- 2.1.6 External dimension:  $79\text{mm} \times 53\text{mm} \times 31\text{mm}$

### 2.2 Remote parameters

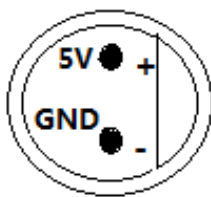
- 2.2.1 Working temperature:  $-20^{\circ}\text{C}$ – $60^{\circ}\text{C}$
- 2.2.2 Supply voltage: DC 5V
- 2.2.3 controller dimension:  $L74 \times W48 \times H25\text{mm}$
- 2.2.4 static power consumption:  $<0.5\text{W}$
- 2.2.5 output: 4channel    output way: common anode
- 2.2.6 output current:  $<5\text{A}$ (each channel)
- 2.2.7 single power:  $5\text{V} < 25\text{W}$

## 3. External dimension



## 4. Interface

### 4.1 Power input interface:



#### 4.2 Output interface:



### 5. Instruction

5.1 Connect output wires first, then power input wire. Ensure no short circuit before power on.

5.2 Button controll like following:

5.2.1 Long press button power on, mode is same as last one before power off(memory function), short press change modes: R、G、B、W, RG、RB、RW、GB、BW、GW、RGB、RWB、RGBW。

5.3 Remote control function like following:



Match code: When the first time power  , according to the need to match code, match code success, green light flashes three times, then the remote control can be normally use.

5.3.1  : power off

5.3.2  : power on

5.3.3  : change modes

5.3.4  : brightness+

5.3.5  : brightness-

5.3.6  : Speed+

5.3.7 : Speed-

5.3.8 : Red

5.3.9 : Green

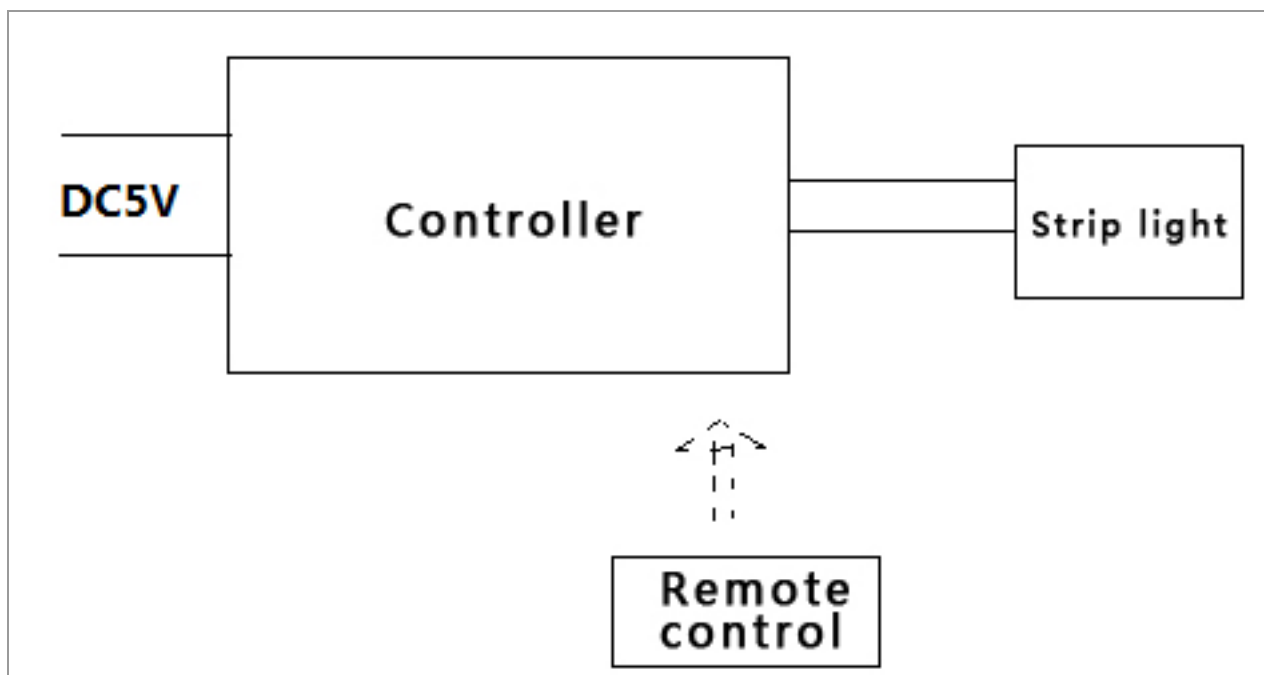
5.3.10 : Blue

5.3.11 : White

5.4 he dynamic model as the following table .

1	red-green jump changing	5	green-white jump changing
2	red-blue jump changing	6	blue-white jump changing
3	red-white jump changing	7	red-blue-green gradual changing
4	blue-green jump changing	8	red-white-blue gradual changing
		9	red-blue-green-white gradual changing

## 6. Typical Applications



## **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.