

# Product Specification



Model: AP-005RF white/black remote controller optional name: half touch RGB controller

## ● Overview

This product is a new generation of intelligent RGB controller developed by our company using the latest capacitive touch technology and wireless technology. Adopt color ring selection and key combination panel mode, humanized design, beautiful and elegant, direct and convenient; Adopt stable wireless and capacitive touch mode, just touch the corresponding key with fingers to achieve long distance no direction control color. The remote controller can be used to control RGB lamps with color selection, mode transformation, brightness and speed adjustment and other related functions. It has the characteristics of long distance, high touch sensitivity, strong driving ability and stable performance. This product can adapt to various constant voltage RGB lamps.

## ● Features

1. The method of combining keys and touch is adopted, without mechanical wear and tear.
2. Intuitive pulley color selection is adopted, which is intuitive and convenient.
3. Input voltage adaptive DC12 ~ 24V, with input polarity protection function.
4. Advanced PWM (pulse width modulation) control technology is adopted, with fine change effect and no flicker.
5. Wireless remote control, no direction, remote control distance is not less than 20m.
6. The remote controller has low power consumption and long standby time.
7. It Has Memory functions such as color, mode, speed and brightness.
8. The appearance is novel, beautiful and elegant, especially suitable for indoor home and commercial places.

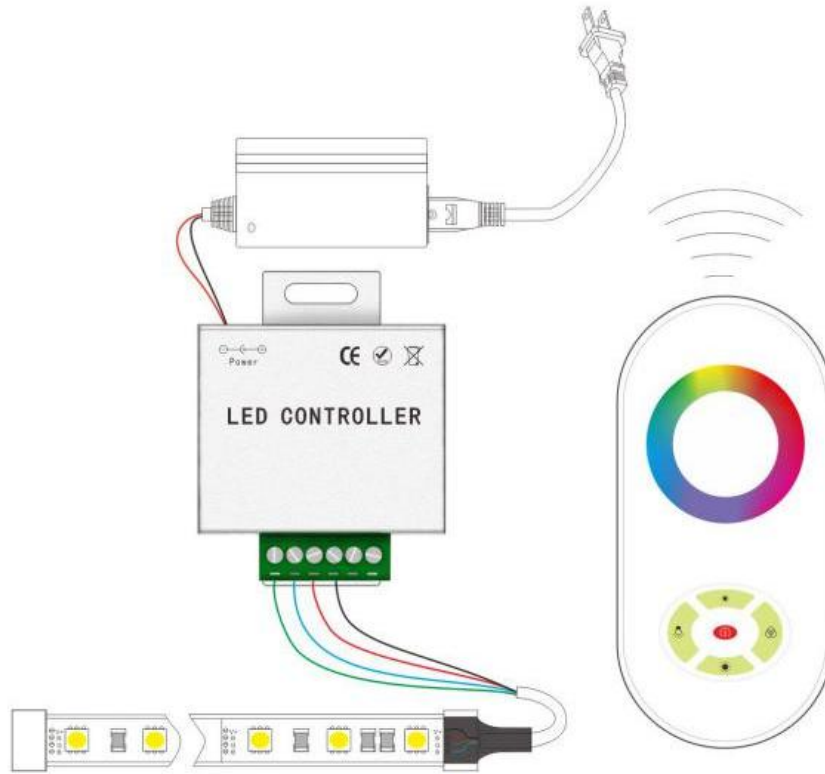
## ● Technical parameters

| Controller          |                         |
|---------------------|-------------------------|
| Operating voltage   | DC 12V~24V              |
| Working current     | 6Ax3CH                  |
| Output Channel      | 3CH                     |
| Output power        | 216W/432W(12V/24V)      |
| Control mode        | RF                      |
| Output mode         | Common anode connection |
| Output Control mode | PWM                     |
| Output gray level   | 256                     |
| Remote control      |                         |
| Operating voltage   | DC 4.5V                 |

|                             |                             |
|-----------------------------|-----------------------------|
| Remote control mode         | RF                          |
| Transmission frequency      | 433Mhz                      |
| Remote control distance     | 20M                         |
| Battery Type                | 3 AAA batteries             |
| Standby power consumption   | 0.08mW                      |
| Operating power consumption | 6mW                         |
| Transmit power consumption  | 40mW                        |
| Number of keys              | 5 buttons, a colored pulley |
| <b>Complete machine</b>     |                             |
| Operating temperature       | -20°C~60°C                  |
| Weight (gross weight)       | 154g                        |
| Packing size                | L135*W83*H55mm              |

## ● Remote control and connection instructions





## ● Installation of remote control battery

The remote controller uses 3 AAA batteries, and the voltage of each battery is 1.5V. When replacing the battery, please open the back cover of the remote controller and fill the 3 batteries according to the direction instructions on the battery box.

Note: when the indicator light on the remote controller flickers regularly, this reminds the user that it is time to replace the battery.

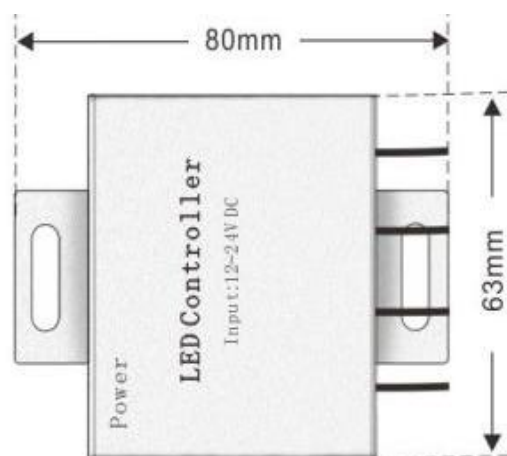
## ● Low power consumption mode and wake-up of remote controller

When the user does not use the remote controller for 15 seconds, the remote controller will automatically enter the sleep mode with lower power consumption to save standby power consumption and prolong battery life. When users need to reuse the remote controller, they can wake up the remote controller by touching the mode switch key on the panel and then use it normally.

## ● Schema table

| No. | Mode                  | No. | Mode                    |
|-----|-----------------------|-----|-------------------------|
| 1   | Three-color jump      | 9   | One-click White Light   |
| 2   | Seven-color jump      | 10  | Green jump              |
| 3   | Three-color breathing | 11  | Red jump                |
| 4   | Seven-color breathing | 12  | White jump              |
| 5   | Purple jump           | 13  | Red/blue stroboscopic   |
| 6   | Blue jump             | 14  | Green/blue stroboscopic |
| 7   | Cyan jump             | 15  | Green/red stroboscopic  |
| 8   | All Mode loops        |     |                         |

## ● Product Size Chart

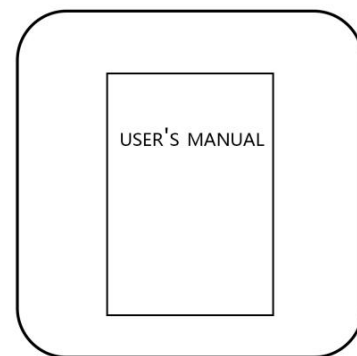


## ● Product packaging



| Controller size | Remote control size  | White box size | Weight/set | Carton size          | Weight/box (50 sets) |
|-----------------|----------------------|----------------|------------|----------------------|----------------------|
| L83*W63*H25mm   | L112.5*W65.5*H22.5mm | L135*W83*H55mm | 154g       | L420×W290×<br>H300mm | 8.2kg                |

## ● Product Accessories



## ● Installation Precautions

1. Please debug and install this product by personnel with professional qualifications.
2. This product cannot be waterproof and needs to avoid sun and rain. If installed outdoors, please use a waterproof tank.
3. Good heat dissipation conditions will prolong the service life of LED controller. Please install the product in a well-ventilated environment.
4. Please do not install and use such products in lightning, thunder, strong magnetic field or high

voltage.

5. Please check whether the output voltage of the LED power supply used meets the requirements of the product voltage range.

6. The diameter of the used wire must be sufficient to load the LED lamps connected, and ensure that the wiring is firm to avoid accidents caused by overheating of the wire or poor contact.

7. Before power-on and debugging, ensure that all wiring is correct to avoid lamp damage caused by wiring errors.

## ● After-sales service

1. Our LED controller products provide lifelong technical support and warranty services:

Free warranty: if there is any quality problem within one year from the date of purchase, our company will provide free repair or replacement service.

Paid warranty: a certain cost of repair materials will be charged for products beyond the free warranty period.

2. The following conditions are not covered by free warranty or replacement services:

Excessive high voltage, overload, improper operation and other man-made damages.

Any wiring errors, water immersion (non-waterproof products) and unauthorized maintenance.

Any serious damage or deformation of the appearance caused by transportation or knocking.

The appearance of the product is seriously damaged or deformed.

Damage caused by natural disasters and force majeure, such as earthquakes, floods, fires, etc.

3. The company's greatest responsibility for ex-factory products is to replace products of the same model and quantity.

4. In order to speed up the maintenance or replacement time, please indicate the failure phenomenon, use environment and operation when the failure occurs to repair the product, so as to ensure that the maintenance situation can be handled quickly.