Product datasheet

Name: RGBW Touch Controller
Model: AP-1202 (remote control black and white optional)

● overview

The 2.4G-RGBW controller adopts the current advanced PWM (pulse width modulation) control technology; It can control all four-line LED four-color lighting products, with 640,000 colors and 15 presentation modes to choose from, and has a memory function, which is widely used in the lighting control of RGBW LED strips, light strips and other products. The working voltage DC1224V is universal, the maximum load current of each channel is 6A, and the remote control distance is 20~30 meters. Radio 2.4G (2400-2483.5MHz), stronger anti-interference, higher stability and so on; Worldwide, the remote control uses 2 batteries.
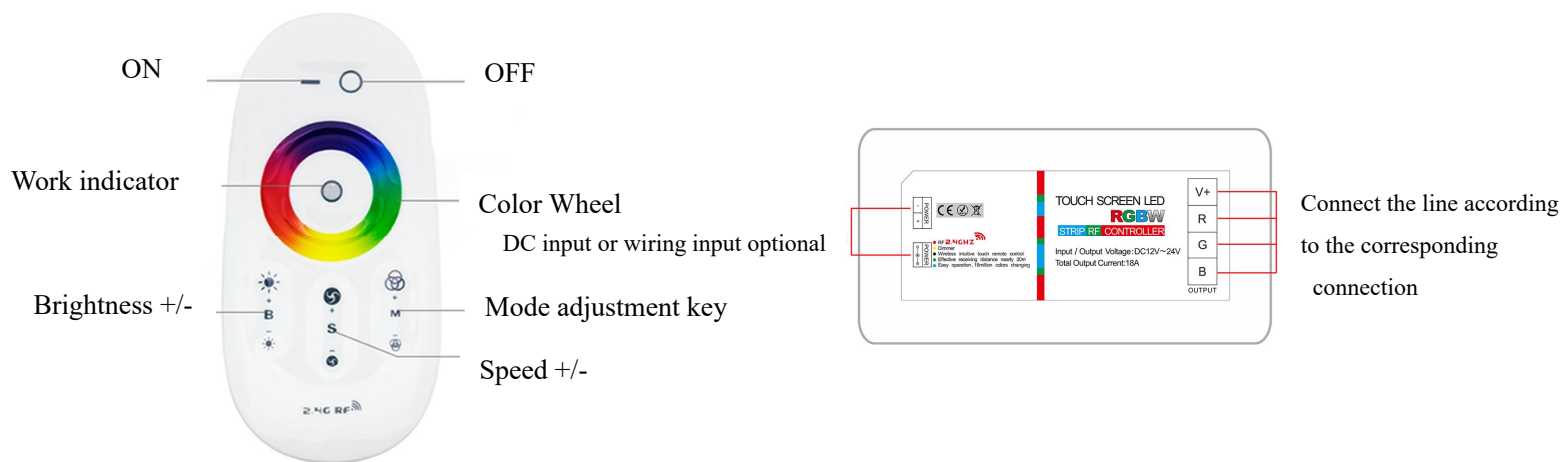
● peculiarity

1. All touch mode, no mechanical wear, can overcome the life problem caused by physical buttons.

2. Adopt an intuitive pulley color selection method, which is intuitive and convenient.

3. The input voltage is self-adapting to DC12~24V, and has the function of input polarity protection.

4. Using advanced PWM (pulse width modulation) control technology, the change effect is delicate and flicker-free.

5. Adopt radio 2.4G (2400-2483.5MHz) high-frequency wireless remote control.

6. Wireless remote control control, no directionality, remote control distance is not less than 20m.

7. The remote control has low power consumption and long standby time.

8. It has memory functions such as color, mode, speed, brightness, etc.

9. The appearance is novel, beautiful and generous, especially suitable for indoor home and commercial occasions.

10. The appearance of the simple set is exquisite, and the specific blister packaging improves the protection of the product transportation process and reduces the cost of product transportation.

● Technical parameters

Operating voltage	12~24V
Operating current	Max 6A/channel
Load power	288W/576W
Control the distance	>20M
Standby power consumption	10mA
The remote control works	7# battery AAA*2
The remote control consumes power for operation	30mA
The remote control consumes power when it is on standby	2uA
controller way	Radio frequency 2.4G

● Remote control and connection instructions

ON — OFF

Work indicator — Color Wheel
DC input or wiring input optional

Brightness +/- — B S M — Mode adjustment key
Speed +/-

2.4G RF

TOUCH SCREEN LED
RGBW
STRIP RF CONTROLLER
Input / Output Voltage:DC12V~24V
Total Output Current:18A

CE

RF 2.4GHZ
Dimmer
Wireless intuitive touch remote control
Effective receiving distance nearly 30m
Easy operation,16million colors changing

V+
R
G
B
OUTPUT

Connect the line according to the corresponding connection

● Installation of the remote control battery

   The remote control uses 2 AAA batteries, each with a voltage of 1.5V. When replacing the batteries, please open the back cover of the remote control and fill the 2 batteries according to the directions on the battery compartment.
Note: When the indicator light on the remote control flashes regularly, it is time for the user to replace the battery.

● Low power mode and wake-up of the remote control

   When the user does not use the remote control for 15 seconds, the remote control will automatically enter a sleep mode with lower power consumption to save standby power consumption and prolong battery life. When the user needs to re-use the remote control, just touch the mode switch button on the panel to wake up the remote control, and then use it normally.
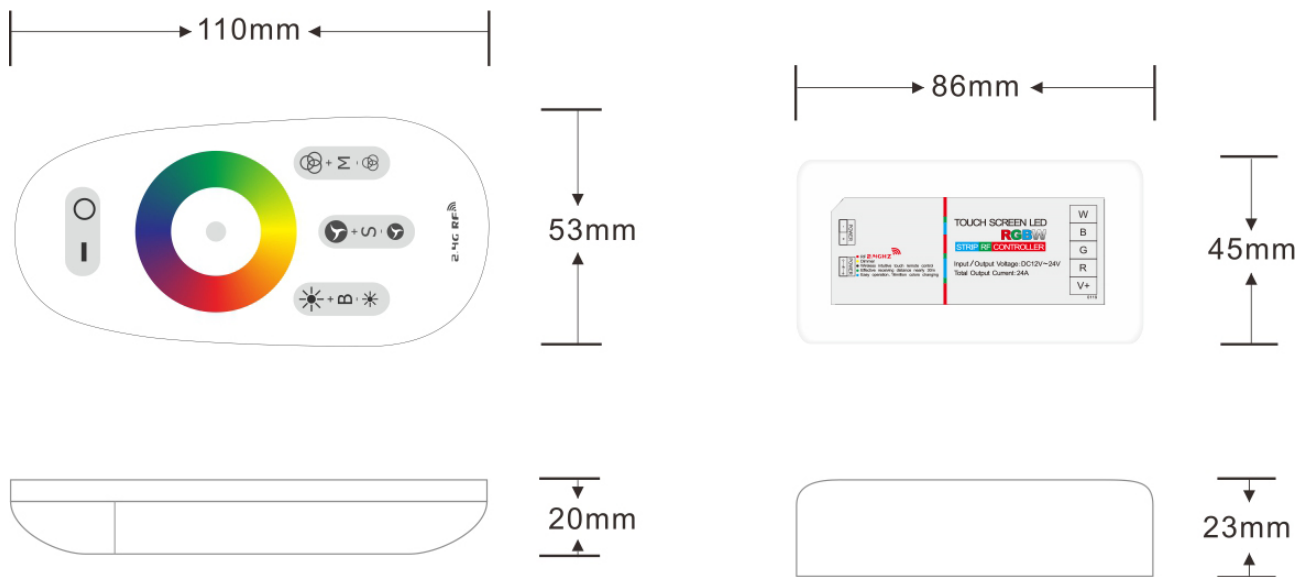
● Schema table

   (Modes can be added and deleted, which need to be confirmed when placing an order)

S/N	MOED	function	S/N	mode	function
1	Static white	Brightness adjustable	8	W and G jumps	The brightness speed is adjustable
2	Static white, red, blue		9	W and B jump changes	
3	Red, green, and blue gradients	The brightness	10	R flashes	

4	Changes in white, red, green, and blue respiration	speed is adjustable	11	G flashes
5	White, red, green, and blue jump		12	B flashes
6	W does not change, RGB seven color jump		13	W flashes
7	W and R jumps		14	Pattern 1 to Mode 13 changes in cycle

●Dimensions:

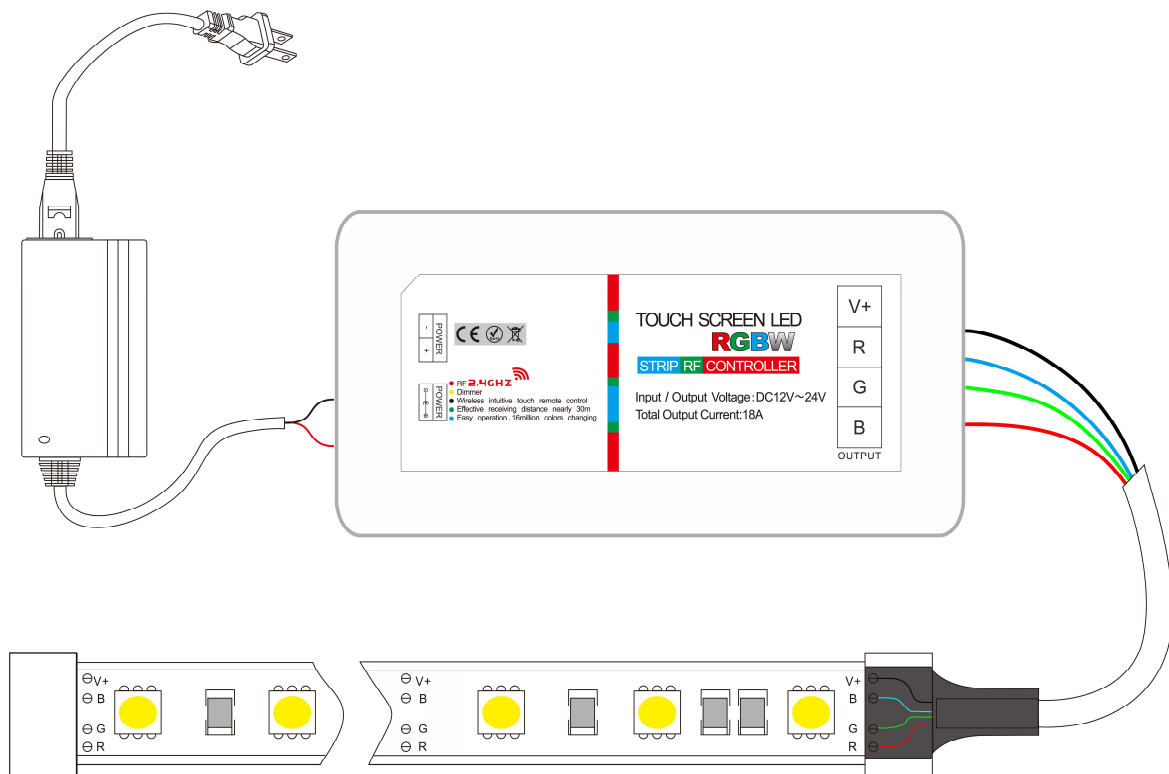| Controller size	Remote control size	Color box size	1PCS	Carton size	100PCS
L86*W55*H23mm	L110*W53*H20mm	L130*W130*H28mm	120g	L500×W320×H320mm	12kg

●Size Matching Code:

1. This product defaults to the passcode configuration, if you need to match the code (one-to-one), please put forward it when placing an order.

2. When the user needs one-to-one control requirements when re-use, he can check the code by himself according to the following

- Please connect the light bar or light fixture

- Within 5 seconds of powering on the controller, it belongs

to the learning/code matching stage

- By pressing the remote control at the same time through the code combination key, a set of code matching commands will be issued to generate the code pairing

- After the code matching is successful, the connected light bar will flash three times, indicating that the code matching is successful

● Schematic diagram of the product connection

POWER

POWER

● RF **2.4GHZ** 📶
● Dimmer
● Wireless intuitive touch remote control
● Effective receiving distance nearly 30m
● Easy operation, 16million colors changing

TOUCH SCREEN LED
RGBW
STRIP **RF** CONTROLLER

Input / Output Voltage：DC12V~24V
Total Output Current：18A

V+
R
G
B

OUTPUT

⊖V+
⊖ B
⊖ G
⊖R

⊖ V+
⊖ B
⊖ G
⊖ R

V+
B
G
R

● Installation precautions

1. This product should be debugged and installed by professionally qualified personnel.

2. This product cannot be waterproof, it is necessary to avoid sun and rain, if it is installed outdoors, please use a waterproof box.

3. Good heat dissipation conditions will prolong the service life of the LED controller, please install the product in a well-ventilated environment.

4. Please do not install and use such products in lightning and thunder, strong magnetic field or high voltage occasions.

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 wire used must be enough to load the LED lamp connected, and ensure that the wiring is firm, so as to avoid the wire overheating or poor contact triggering accidents.

7. Before power-on and commissioning, make sure that all wiring is correct to avoid damage to the lamps due to wiring errors.

● After-sales service

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

➢ Free warranty: This product has quality problems within one year from the date of purchase, and our company will give free repair or replacement service.

➢ Paid warranty: Products that exceed the free warranty period will be charged a certain cost of maintenance materials.

2. The following situations are not covered by the free warranty or replacement service:

➢ Damage caused by man-made such as overvoltage, overload, improper operation, etc.

➢ Any wiring errors, flooding (non-waterproof products) and unauthorized repairs.

➢ Any serious damage or serious deformation of the shape due to transportation, knocking, etc.

➢ The shape of the product is seriously damaged or deformed.

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

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

4. In order to speed up the timeliness of repair or replacement, please indicate the fault phenomenon, the use environment, and the operation done when the fault occurs, so as to ensure that the maintenance situation is dealt with quickly.