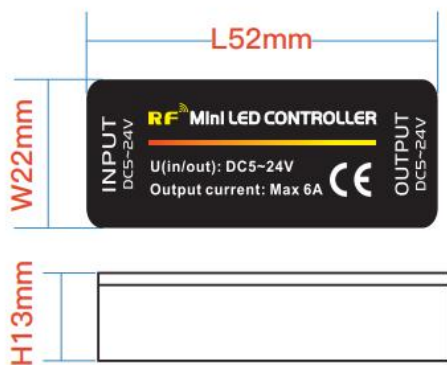


USER INSTRUCTION

RF Mini LED Controller



1.Product features:

The products of this series can be used to control four types of light bars: Dimmer,CCT,RGB, RGBW.

The main features of the controller are:

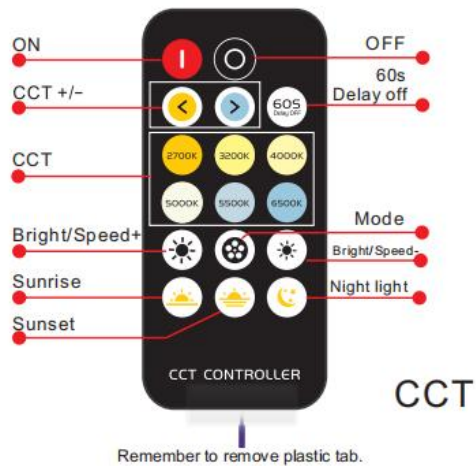
- 1.Compact body and convenient wiring;
- 2.Simple and clear operation, comfortable button feel;
- 3.Diversi fied dynamic mode;
- 4.Soft dimming effect.

2.Technical Parameters:

- Working temperature: -20-60℃
- Input voltage: DC5~24V
- controller size: L52×W22×H13mm
- Net weight: 14/17/21 keys 30g, 28keys 40g
- Gross weight: 14/17/21keys 32g, 28keys 42g
- RF frequency: Controller, 433.92MHz (RX); Remote, 433.92MHz (TX)

- Output current: max:6A
- Single color: 1CH*6A,CCT:2CH*3A, RGB: 3CH*2A, RGBW : 6A
- Output power: 5V:<30W,12V:<72W, 24V:<144W
- Remote battery:1PCS*CR2025 aluminum cell

3.Products key diagram:



4. CCT Mode sheet

(1) Dimmer mode list(3):

Mode 1	Mode 2	Mode 3
Jump	Fade	Strobe

(2) CCT Controller

No.	Dynamic modes
1	Warm white fade
2	Neutral white fade
3	Cool white fade
4	Warm white Jump
5	Neutral white Jump
6	Cool white Jump

(3) 21 Key RGB Controller(19):

No.	Dynamic modes	No.	Dynamic modes	No.	Dynamic modes
1	Red fade	8	Red fade+jump	15	7 colors jump

2	Green fade	9	Green fade+jump	16	3 colors flash
3	Blue fade	10	Blue fade+jump	17	Full color fade
4	Yellow fade	11	Red flash	18	3 colors fade
5	Purple fade	12	Green flash	19	7 colors fade
6	Cyan fade	13	Blue flash		
7	White fade	14	3 colors jump		

(4) 21 Key RGBW Controller(18):

No.	Dynamic modes	No.	Dynamic modes	No.	Dynamic modes
1	Red fade	7	White fade	13	7+W colors fade
2	Green fade	8	Red flash	14	4 colors flash
3	Blue fade	9	Green flash	15	7+W colors flash
4	Yellow fade	10	Blue flash	16	4 colors jump
5	Purple fade	11	W flash	17	7+W colors jump
6	Cyan fade	12	4 colors fade	18	Full color fade

(5) 28 Key RGB Controller(5):

No.	Dynamic modes
1	3 colors jump
2	3 colors fade
3	7 colors jump
4	7 colors fade
5	Full color fade

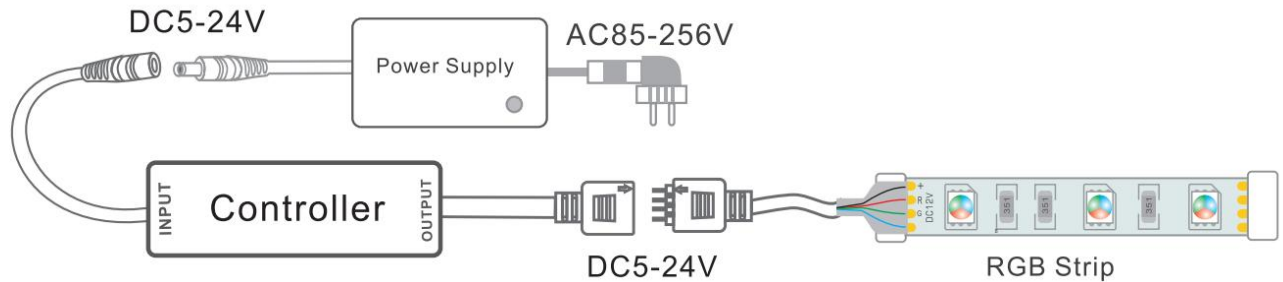
(6) 28 Key

RGBW Controller(11):

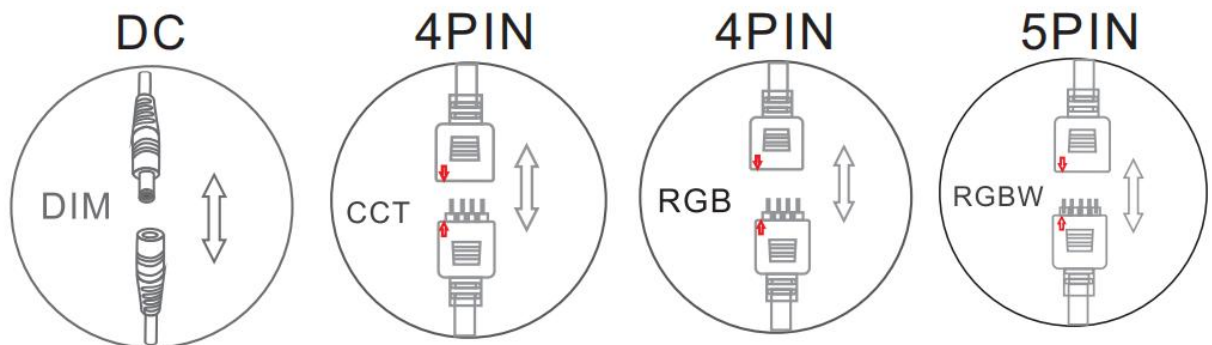
No.	Dynamic modes	No.	Dynamic modes
1	W+Red	7	3 colors jump
2	W+Green	8	3 colors fade

3	W+Blue	9	7 colors jump
4	W+Yellow	10	7 colors fade
5	W+Purple	11	Full colors fade
6	W+Cyan		

5. Connection description:



Output connection:



To Pairing New Remote:

receiver can be paired to 1 remote. Remotes can be paired to any receiver. If a receiver be paired to 3 remotes, the 3rd remote will cover the 1st. Follow steps below to pair a new remote:

1. Disconnect receiver from power, reconnect within 5 sec.
2. Press "on" button for 2 seconds and the receiver will recognize the new remote controller.

6. Attention:

1. Controller's input voltage is DC5-24V, never connect to others or AC220V, Please do not overload, the total max output current is 6A;
2. Before using the infrared remote, the insulating film should removed.
3. Please don't reverse the power input connection of both cathode and anode, please switch on again only when it is in right connection and no short circuit.

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.

NOTE: 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.

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

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.