RF Touch Remote RGB Controller

This RF Touch Remote RGB Controller uses advanced touch technology, designed to control a wide range of constant voltage LED. Users can select different lighting modes, adjust speed and brightness, and turn the lights on or off with the remote. With a memory function, the controller resumes the last mode used when powered on again. It includes seven static colours as well as effects like jump, fade, strobe, flow, and automatic cycling. Easy wiring and simple connection are key benefits of this controller.

Additionally, it has a short-circuit protection feature. If a short circuit occurs, the green indicator light flashes to alert the user, and the controller automatically restores functionality after protection has activated, enhancing user experience with this safety feature.

Technical Specifications: Controller
Operating Temperature: -30℃ to +60℃
Supply Voltage: DC12V-24V
Output: 3 channels, N-MOS drain open output
Connection Mode: Common anode
Static Power Consumption: <0.5W
Output Current: 6A per channel (18A total)
Controller Dimensions: L83 x W79 x H33 mm
Package Dimensions: L205 x W135 x H45 mm
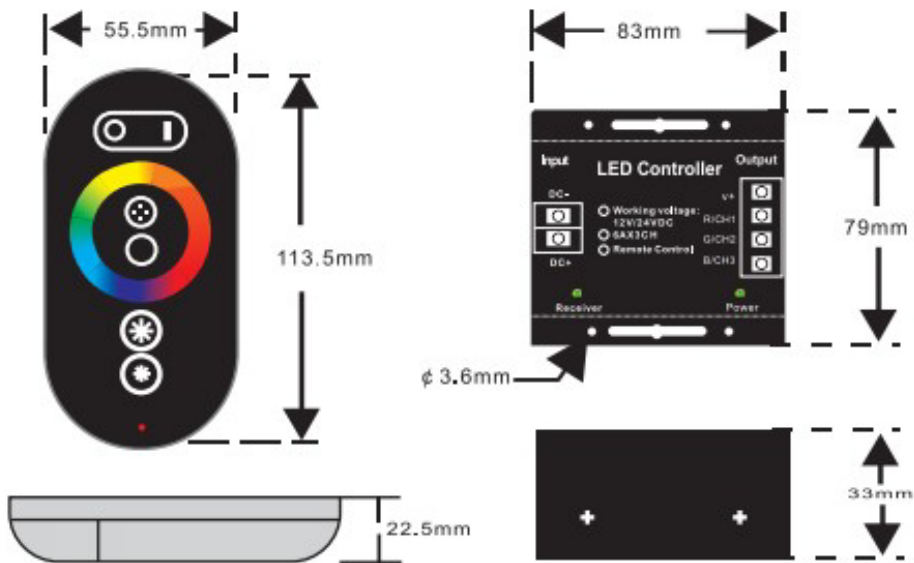Net Weight: 168g
Gross Weight: 392g

Power input +

Power input -

Green light will blink with signal from remote

Positive output

Output Red

Output Green

Output Blue

Red light when power is on to controller
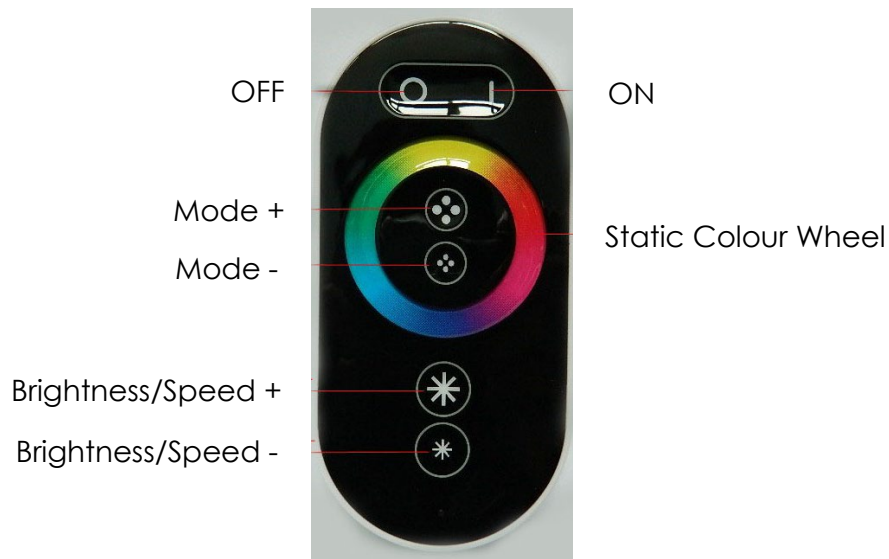
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Remote Control: Remote Control
Operating Temperature: -30℃ to +60℃
Power Supply: 3 x AAA batteries
Supply Voltage: 3V
Static Power Consumption: <0.09mW
Standby Time: 6 months
Control Range: Over 20 meters

OFF   ON

Mode +

Mode -   Static Colour Wheel

Brightness/Speed +

Brightness/Speed -

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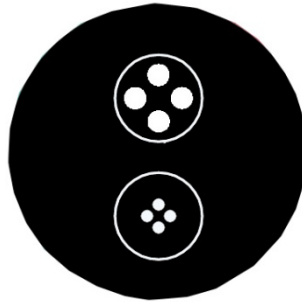
Remote Control Functions:

On/Off Buttons: The left button turns the device off, and the right button turns it on.

Mode Buttons: The top button (Mode +) cycles to the next mode, and the bottom button (Mode -) cycles to the previous mode.

Colour Selection: The touch ring lets you choose a static colour by simply touching the colour wheel, which will immediately display the selected colour.

In Static Mode, pressing the "Brightness +" button increases brightness, and "Brightness -" decreases it.
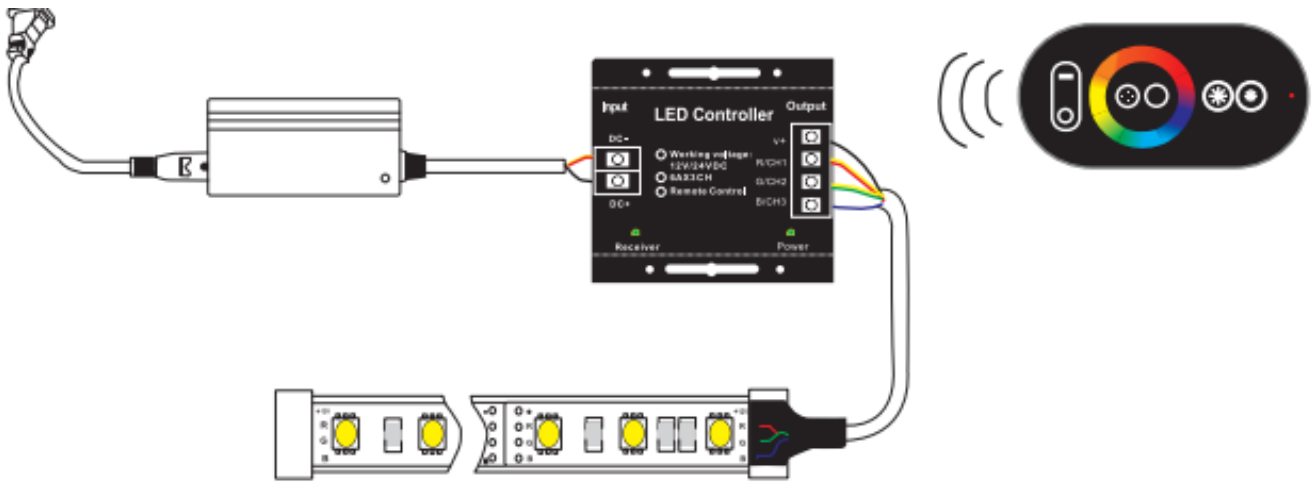
In Dynamic Mode, "Speed +" increases the change rate, and "Speed -" decreases it.

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Changing models are as below:

NO.	Model	Remarks	NO.	Model	Remarks
1	Static red	Brightness adjustable	10	Three Colour fade	Speed, brightness are adjustable
2	Static green		11	Three colour flow	
3	Static blue		12	seven Colour fade	
4	Static yellow		13	Seven colour flow	
5	Static purple		14	Three-colours flash frequency	
6	Static cyan		15	Seven-colours flash frequency	
7	Static white		16	Three-colours blasting flash	
8	Three colour jump	Speed, brightness are adjustable	17	Seven colour blasting flash	
9	Seven colour jump		18	Automatic mode	

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Notes:
1. The power, load voltage, current, and power output must match the product specifications.
2. Follow the connection diagram above: connect the load wire first, then connect to the power supply. Avoid short circuits during operation.
3. This product comes with a 12-month warranty, which does not cover damage caused by misuse or overloading.