

Remote Control RGB LED Grille Light

1. Product Overview

This product is a remote-controlled RGB LED grille light designed for automotive decorative lighting. It features multiple lighting modes and wireless control, enhancing the visual appearance of the vehicle, especially at night.

2. Product Features

- RGB multi-color lighting
- 147 lighting modes with dynamic effects
- Wireless remote control operation
- High brightness with low power consumption
- Flexible silicone housing (do not bend excessively)
- Waterproof and high temperature resistant design

3. Technical Specifications

Item	Specification
LED Type	5050 SMD LED
LED Quantity	48 LEDs
Length	22.05"
Width	0.59"
Thickness	0.27"
Voltage	DC 12V
Current	0.25A (Typical), 0.4A (Max)
Power	4.5W(Max)
Color	RGB
Lifetime	50,000 – 60,000 hours

4. Package Contents

LED Grille Light ×1

Remote Control ×1

Controller (Receiver) ×1

5. Installation Instructions

1. Fix the LED light strip to a suitable position on the vehicle grille or underbody.

2. Connect the wires as follows:

- **Red wire:** Connect to the positive terminal (+) of the vehicle battery
- **Black wire:** Connect to the negative terminal (–) of the vehicle battery
- **Yellow wire:** Connect to the brake light signal
- **Green wire:** Connect to the turn signal lights (left and right)

3. Ensure all connections are secure and properly insulated.

4. Power on the system and test all functions using the remote control.

6. Operating Instructions

Use the remote control to turn the light ON/OFF.

Press the corresponding buttons to switch lighting modes.

Adjust speed using the speed control button.

Change colors using the color selection button.

Remote Control Functions:

Power Button (D): Turn ON/OFF

Mode Button (C): Change lighting modes

Color Button (B): Change color

Speed Button (A): Adjust effect speed

7. Notes

If the remote control does not respond, check whether the antenna is properly connected.

Restart the controller if necessary.

Do not excessively bend the light strip.

Ensure proper installation to avoid damage.

8. FCC Statement

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,

(2) this device must accept any interference received, including interference that may cause undesired operation.

9. Warning

This product is intended for vehicle decorative use only.

Do not install in areas that may affect driving safety.

Keep away from fire and extreme heat sources.

FCC Caution.

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.

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

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.

*RF warning for Portable device:

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