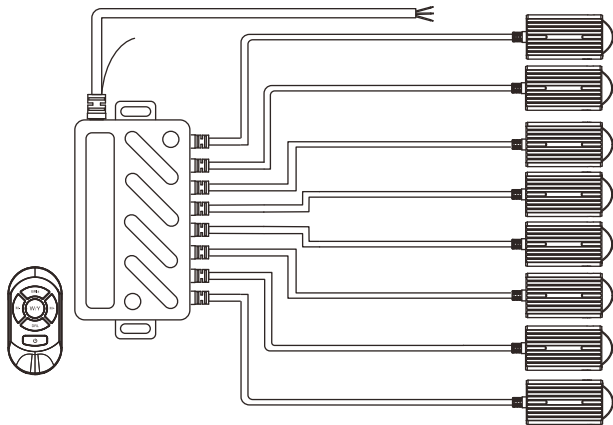


User Manual for the Controller and the Grille Light

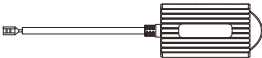
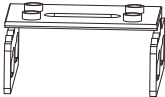


Tip:

Scan the QR code to watch the
installation video.

English

• Grille light Packing List

Grille Light  2pcs			U-Type Bracket  2pcs		
M4 Machine Screw*8mm  8pcs	M4 Machine Screw*6mm  4pcs	L-Type Bracket  4pcs			
M4 Nut  4pcs	M4 Spring Washer  8pcs	M4 Flat Washer  8pcs	Electrical Tape  1pc	Manual  1pc	

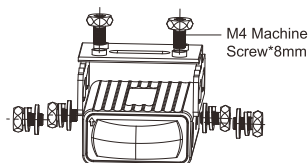
• Single-Color Grille Light Illustration



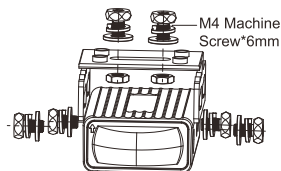
• Dual-Color Grille Light Illustration



• U-Type Bracket Installation Diagram

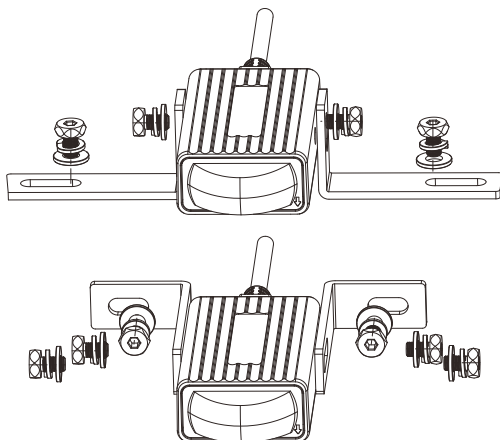


①.Insert the U-shaped bracket into the grille of the front middle net, and then fix it with 8MM screws.

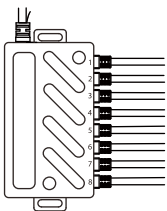


②.After drilling holes, fix it with 6MM screws.

• L-Type Bracket Installation Diagram



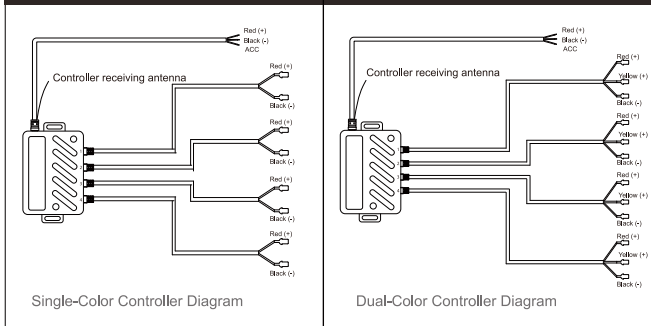
• Controller Packing List

Controller  1pc	Remote controller  1pc	M4 Machine Screw*15mm  2pcs M4 Spring Washer  2pcs 3M Adhesive Tape  4pcs	M4 Flat Washer  2pcs M4 Nut  2pcs Manual  1pc
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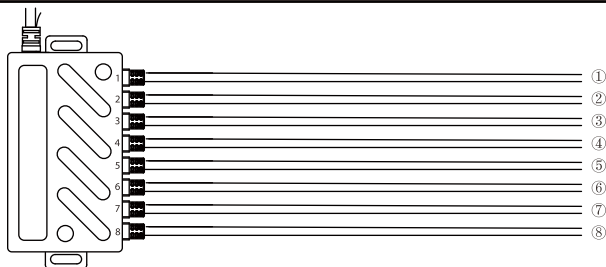
•Grille Light Controller Specifications

Model	Controller
Operating Voltage	DC 10-30V
Color Temperature	3200K/6500K
Operating Modes	Always On / Flashing / Running Light / DRL (Daytime Running Light) / Breathing / Strobe / Alternating Cycle / Trailing
Waterproof Rating	IP67

•Controller Components Diagram

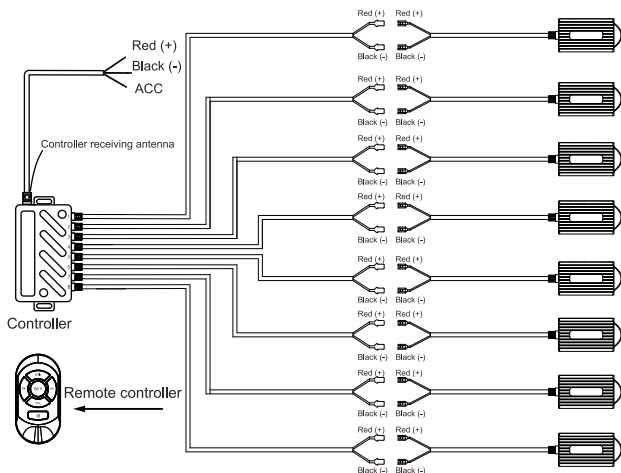


•Grille Light Controller Wiring Guide



•Single-Color Controller (1-to-3 Wiring Diagram)

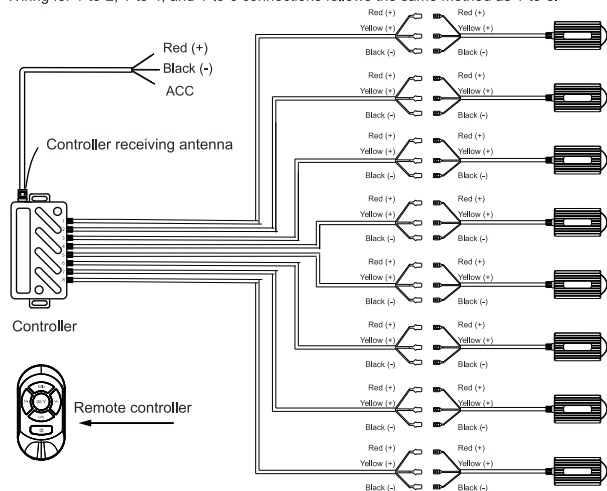
Wiring for 1-to-2, 1-to-4, and 1-to-6 connections follows the same method as 1-to-8.



Note: Once the blade terminal and tab terminal are fully mated, do not force them apart. Forcing separation may cause wear to the terminal contacts, result in poor circuit connection, and in severe cases, lead to electrical safety hazards.

•Dual-Color Controller (1-to-8 Wiring Diagram)

Wiring for 1-to-2, 1-to-4, and 1-to-6 connections follows the same method as 1-to-8.



Note: Once the blade terminal and tab terminal are fully mated, do not force them apart. Forcing separation may cause wear to the terminal contacts, result in poor circuit connection, and in severe cases, lead to electrical safety hazards.

•Lighting Usage Instructions

1.Steps to Connect the Power

- ①.Always follow the wire color codes.
- ②.Red wire → Positive (+).
- ③.Black wire → Negative (-).
- ④.The White wire of the controller connect to the ACC interface.
- ⑤.The yellow wire of the turning-assist grille light connect to the original turning signal light.
- ⑥.After wiring, power on the device to activate.

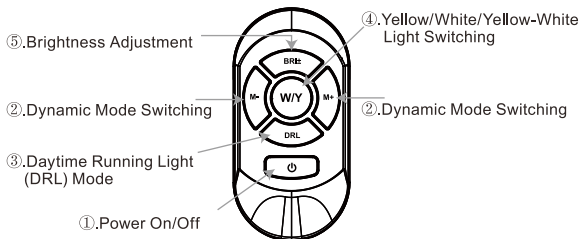
2.Basic Functions

- ①.Memory Function: The light retains the last-used mode upon restart.
- ②.Welcome Mode: The light automatically enters a welcome animation when powered on.

3.Remote Control Pairing Procedure

- ①.Initial Setup: During first-time use, connect the grille light controller to the power supply and the grille lights as instructed above. Then, switch on the power to supply electricity to the controller.
- ②.Enter Pairing Mode: After powering on, the controller will start up in "Welcome Mode" and the lights will illuminate. Once the Welcome Mode sequence is complete and the lights turn off, within the next 2 seconds, press and hold the Power button on the remote for 10 seconds. Release the button when the grille lights illuminate again, indicating successful pairing.
- ③.Operation:After successful pairing, you can use the other buttons on the remote to control the product's functions, such as switching dynamic lighting modes and adjusting brightness.

• User Manual for Wireless Remote Control (Requires matching dedicated controller)



- ①.Power Control: Press the power button to turn on the grille lights. Press it again to turn them off.
- ②.Mode Switching: Use the M- and M+ buttons to cycle through dynamic lighting modes, including:Running Horse (Marquee), Breathing, Strobe, Alternating Loop, and Trailing Effects.Each press switches to the next mode.
- ③.DRL (Daytime Running Light) Mode: Press the DRL button to activate: 1st press: White light at 15% brightness. 2nd press: Yellow light at 5% brightness. 3rd press: Turns off. The cycle repeats with subsequent presses.
- ④.Color Adjustment: Press the W/Y button to toggle between white and yellow light instantly.
- ⑤.Brightness Adjustment: Use the BRI+ and BRI- buttons to adjust brightness across 4 preset levels.

•Features & Smart Temperature Control

- 1.High-brightness dual-color LED chips (30,000-hour lifespan).
- 2.IP67 waterproof—resistant to rain and fog.
- 3.High-temperature-resistant wiring (withstands 105°C+).
- 4.Aluminum alloy housing for better heat dissipation.
- 5.Smart thermal management adjusts voltage/current to maintain optimal performance.

•Troubleshooting

1	All lights off	Check power connection, polarity, and fuse.
2	Remote not working	Replace remote battery.
3	Single light not working	Check wiring for the affected light.
4	If the issue persists after following the above steps, please contact our customer service or local distributor for further assistance.	

•Maintenance Guide

- 1.Keep the light beam parallel to the ground for best illumination.
- 2.Clean the lens regularly for optimal brightness.
- 3.Avoid scratching the aluminum housing with hard objects.
- 4.Ensure all connectors are tightly sealed to prevent water damage.

•Warranty Card

Customer Name		Gender		Age	
Contact Number					
Product Model		Purchase Date			
Address					
Warranty Reason					

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH OF CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.

