

Flip Spotlight Bracket Installation Manual

Read the installation guide and illustrations carefully before installation and strictly follow the installation instructions.

This product is only suitable for competitive racing cars on closed roads and race tracks. Please comply with relevant laws and regulations.

[IMPORTANT NOTICE]

Coordinated adjustment of the dual motors with power on must be carried out **after the installation is completed**:

Connect the two motors in the middle, power on to control rotation, and apply a slight reverse force by hand.

Adjustment may need to be repeated several times. **Do not use excessive force to avoid damaging the gear**.

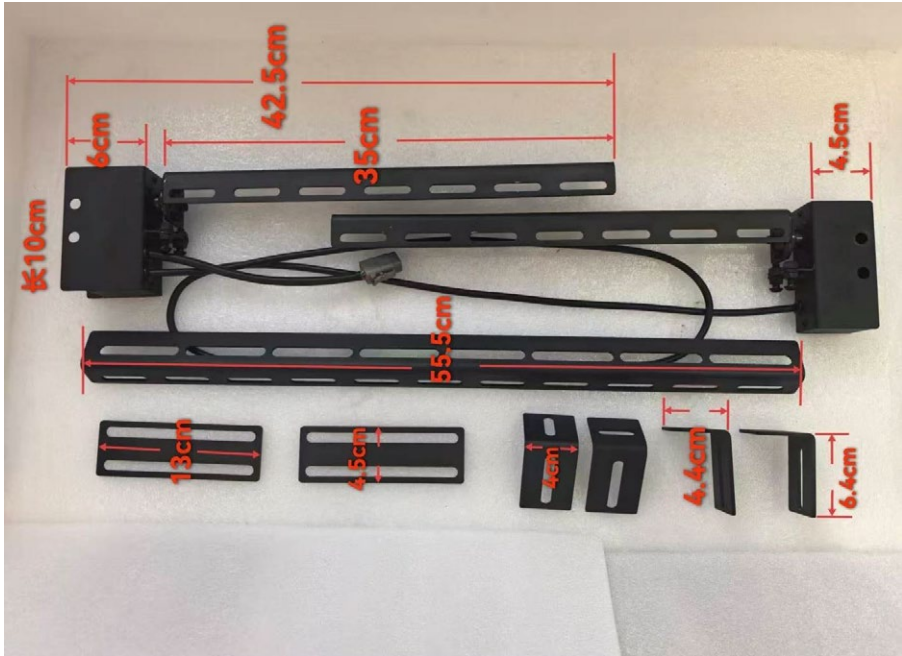
box.



[Cautions]

- 1.This product is a modified part, not a standard component. The installation auxiliary accessories provided only meet partial installation requirements, and installers are required to have certain modification experience and practical operation skills.
- 2.This product is compatible with most spotlights of different shapes for installation.
- 3.Strictly follow the wiring diagram for wiring operation. Damage caused by unauthorized wiring modification will not be covered by the warranty.
4. Adjust the spotlight irradiation angle by turning the left and right fixing screws of the spotlight; **do not disassemble the motor connecting flange.**
- 5.7-day no-reason return and exchange service is available for this product, on the condition that the product is unused and uninstalled.

[Dimensions]



[Product Overview]

The Dunke hidden spotlight bracket for closed venues is precision-manufactured from 201 stainless steel using CNC bending technology. Its surface is treated with high-temperature electrostatic powder coating to ensure durability and an attractive finish. All wire harnesses of the product adopt silicone high-temperature resistant wires, suitable for use in various high and low temperature areas, delivering excellent reliability and environmental adaptability. With an IP55 protection rating, it can be used in various environments without being affected by dust and moisture.

[Technical Specifications]

- Material: 201 Stainless Steel
- Manufacturing Technology: CNC Bending
- Surface Treatment: High-temperature Electrostatic Powder Coating
- Protection Rating: IP55
- Motor Type: Low-temperature Resistant Motor
- Temperature Adaptation Range: +80°C to -40°C (equipped with -40°C low-temperature grease)
- Operating Voltage: 12V-24V

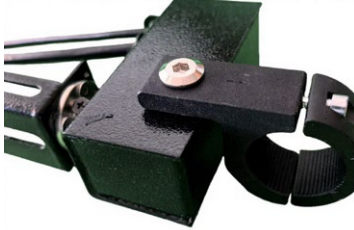
Installation Guide

[Preparation Tools]

10mm & 13mm socket or spanner; M4 & M5 hex key wrench

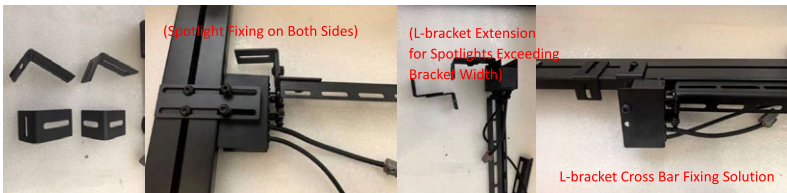
Step 1: Select the Appropriate Fixing Bracket According to the Installation Position

1. **Round Tube Clamp:** Suitable for fixing on round tube roof racks (applicable round tube diameter: 25mm-32mm). *Round tube fixing clamps need to be purchased separately.*



(Round Tube for Roof Rack Fixing)

2. **L-shaped Bracket:** Suitable for fixing on cross bars or roof racks with fixing holes on the side. Double L-shaped brackets are suitable for multi-angle adjustment installation on roof baskets and grilles. For spotlights longer than the bracket, use the L-bracket extension kit (comes with 2 pairs of L-brackets).



(Spotlight Fixing on Both Sides)

(L-bracket Extension for Spotlights Exceeding Bracket Width)

L-bracket Cross Bar Fixing Solution

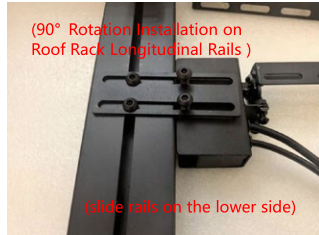
3. **Slotted Hole Fixing:** Suitable for installation and fixing on platforms with screw slide rails.



Defender-style Platform
Slide Rail Installation



(Roof Cross Bar
Fixing Installation)



(90° Rotation Installation on
Roof Rack Longitudinal Rails)

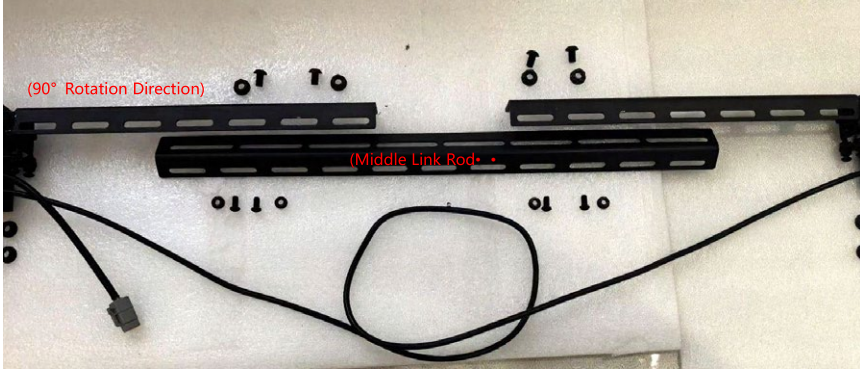
(Slide rails on the lower side)

Step 2: Fix Both Sides with the Selected Bracket and Connect the Middle Link Rod

- Length of the middle link rod: 83cm-124cm

Can be cut short by yourself for lengths under 83cm; contact customer service to purchase extension accessories for longer lengths.

Step 3: Control Wire Harness and Wiring Methods



1. Remote Control Harness (momentary or one-key lift/lower)

- Wire length: 2.7m from control box to flip bracket; 0.8m for control box power cord
- Wiring: Red wire to ACC; Black wire to negative pole (vehicle body ground)

(Illustration: Remote Control Harness)

2. Multi-channel Controller Harness (compatible with multi-channel controllers or manual switches)

- Wire length: 2.7m from control box to flip bracket; 0.8m for control box power cord
- Wiring: Red wire to ACC; Black wire to negative pole (vehicle body ground); Green wire to positive pole (control lift); Yellow wire to positive pole (control lower)

3. Jetour Traveler Special Harness

- Wire length: 1m from control box to flip bracket; 0.8m for control box power cord
- Wiring: Directly connect to the reserved plug on the passenger side of the original vehicle for use; the two reserved wire ends are connected to the spotlight.



(Channel Harness)



(Multi-channel Harness)

Step 4: Limit Screw Adjustment

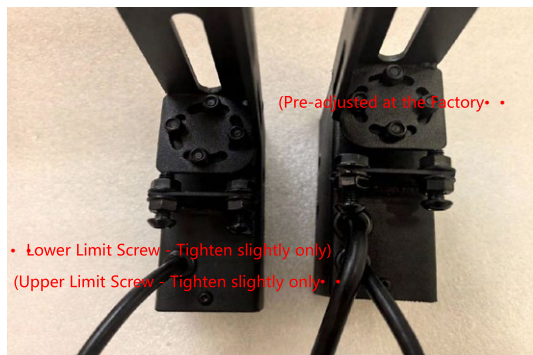
•**Dual-wire motor:** Pre-adjusted at the factory, no further adjustment required.

•**Single-wire motor:** Adjust only after all parts are fixed and installed; **do not fasten the screws too tightly.**

1. Lower the bracket to the lower limit and stop, then install and adjust the lower limit screw.

2. Lift the bracket to the upper limit and stop, then adjust the upper limit screw.

Note: Over-tightening will cause motor stalling and damage to the gear box or motor.



Step 5: Six-key Remote Control Pairing Method

1. Attach the remote control to be paired closely with the six-key remote control as shown in the illustration.

2. Press the corresponding buttons of the six-key remote control and the remote control to be paired at the same time until the indicator light of the six-key remote control flashes (pairing completed).

3. Pair the six buttons in sequence.

4. **Clear code for wrong pairing:** Press and hold the ON and ▲ buttons simultaneously.

