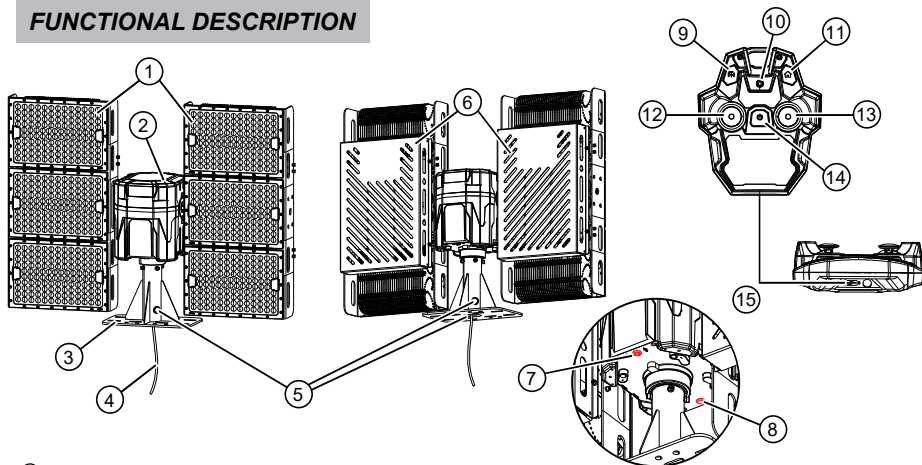
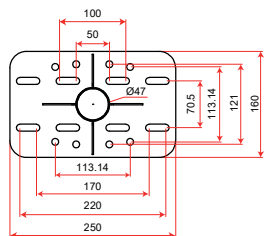


FUNCTIONAL DESCRIPTION



- ① Lamp Head
- ② Main Unit
- ③ Mounting Bracket
- ④ Wiring
- ⑤ Cable Entry Port
- ⑥ Power Compartment
- ⑦ Pairing Button & Indicator
- ⑧ Power-On Indicator
- ⑨ Horizontal Cruise Mode Button
- ⑩ Operation & Charging Indicator
- ⑪ Home Button
- ⑫ Left Joystick
- ⑬ Right Joystick
- ⑭ Remote Power Switch Button
- ⑮ Remote Charging Port & Waterproof Plug



Mounting Bracket Hole (mm)

SPECIFICATIONS

Wattage	600W	1200W	1800W
Weight	16KG	24.2KG	32KG
Luminous Efficacy	180 lm/w		
Operating Voltage	AC 100~277V (High Voltage 277~480V)		
Rotation Angles	360° horizontal + 270° vertical per lamp head		
Beam Angle	30°/60°/90°		
Dimming Method	1-10V Dimming		
CRI	Ra>70		
CCT	5700K		
IP Grade	IP65		
Working Temp	-40℃~60℃		
Working Humidity	1~98%		

REMOTE CONTROL SPECIFICATIONS

Rated Input	5V 1A (Charging)
Remote Control Range	< 60m in open outdoor environments
Built-in Battery	Lithium Battery
Battery Capacity	3.7V 1500mAh
Remote Control Type	RF Remote Control

MAINTENANCE

WARNING

To reduce risk, always disconnect the external power supply before any maintenance or cleaning. Do not disassemble the device or the power-interface assembly. To prevent personal injury or equipment damage, do not allow liquids to enter the device or the power interface, and do not immerse the device in liquid.

Cleaning

Clear dust and debris from ventilation openings. Keep the enclosure clean, dry, and free from grease. Use only mild soap and a damp cloth for cleaning, as certain cleaners and solvents can damage plastics and other insulating parts. Do not use aerosol sprays or solvents. Examples include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated solvents, ammonia, and ammonia-containing household detergents. Never use flammable or combustible solvents around the device.

OPERATOR'S MANUAL



TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND OPERATOR'S MANUAL.

SYMBOLGY

V Volts



Do Not Stare Into Light !

Motorized3-Axis LED Head Remote Control

IMPORTANT SAFETY INSTRUCTIONS



WARNING

Read and understand all instructions. Basic precautions shall always be followed during use, including:

- Before use, carefully read this guide and all labels to understand the product's applications, limitations, and potential risks.
- Prevent access by children during use and storage to avoid accidents.
- For professional use only. Follow all safety codes during installation and maintenance.
- The lamp head and heat-dissipating parts can become hot during operation (normal). Do not touch or cover them to avoid burns or impaired heat dissipation.
- After shutdown, allow the lamp head to fully cool before moving, packing, or servicing.
- Install the device vertically on a stable floor or support to prevent tipping or falling.
- Use only power sources that meet the rated voltage and current (e.g., mains, generator, or certified mobile power).
- Ensure power connectors and cables are intact. Do not use worn, damaged, or modified cables.
- Power connectors must be fully seated and protected from water ingress. Use waterproof connectors outdoors or in humid environments.
- Do not install, disassemble, or service the device while powered.
- Disconnect external power before cleaning and wait for the device to cool.
- Periodically inspect the device, power interfaces, bolts, and supports for tightness and aging.
- If abnormal noise, odor, or smoke is detected, cut power immediately and stop use; contact qualified service personnel.
- Do not expose the device to open flames, excessive heat, or prolonged direct sunlight.
- Secure the lamp head, bracket, and power cable during transport to prevent drops or impacts.
- Do not disassemble, modify, or repair the device or electrical components without authorization. Establish routine maintenance to keep the device and power connections in good condition. If the device malfunctions, send it to a service center.
- If not used for an extended period, cut power and store indoors in a dry, ventilated place away from direct sunlight.
- Use only recommended accessories. Others may be hazardous. Refer to the manual for the complete accessory list.

FCC WARNING STATEMENT

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

FCC Radiation Exposure Statement

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

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.

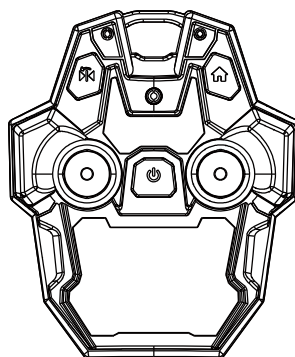
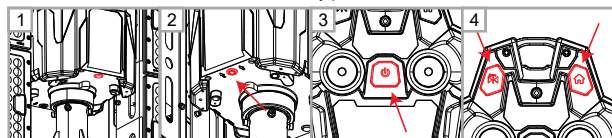
OPERATION

WARNING To reduce the risk of injury, do not look directly into the light when the light is on.

Remote Pairing

Before using the device for remote control, complete pairing as follows:

1. Connect the device to the external power source; the green power-on indicator on the main unit will light.
2. Press and hold the "Pairing Button & Indicator" located at the bottom of the main unit for 3 seconds or short the pairing wires for 3 seconds and then release. The "Pairing Button & Indicator" at the bottom of the main unit will turn green.
3. Press and hold the remote's power switch for 3 seconds, then release to turn on the remote.
4. Press and hold both the "Cruise" and "Home" buttons on the remote for 3 seconds to pair.
5. After completing the above steps, you will notice that the green light on the "Pairing Button & Indicator" at the bottom of the main unit turns off, indicating that the remote controller has been successfully paired with the device.



Remote Controller Functions

The remote features blue backlit buttons for operation at night or in low-light conditions.



Power Switch Button

Press and hold for 3 seconds to turn the remote controller on or off. When pressing and holding the "Power Switch Button", the "Operation & Charging Indicator" lights green, followed by blue backlighting on the "Horizontal Cruise Mode Button", "Home Button", and "Power Switch Button". This indicates that the remote controller has powered on.



Operation & Charging Indicator

This indicator provides both operation and charging status. When any button is pressed, the indicator turns green, indicating the remote controller has responded. Red indicator: charging. Green indicator: fully charged or low-battery condition.



Horizontal Cruise Mode Button

Press and hold for 3 seconds to activate the horizontal cruise mode. The device will rotate horizontally in a continuous scanning cycle. Press and hold again for 3 seconds to exit the mode.

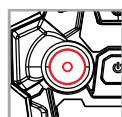
Note: Other remote control operations are disabled during horizontal scanning.



Home Button

Press and hold for 3 seconds to activate the home function. The device will first return to the horizontal home position, then perform the vertical reset. Press and hold again for 3 seconds to cancel the reset.

Note: Other remote control functions are disabled during the reset process.



Left Joystick

Controls vertical (up/down) motion of the left lamp head, and can drive the device to rotate horizontally clockwise.



Remote Control Guide

1. When the remote controller has low battery, its "Operation & Charging Indicator" lights green, and the blue backlight of the "Horizontal Cruise Mode Button", "Home Button", and "Power Switch Button" flashes. The device will not respond under this condition.
2. The remote controller is equipped with a charging cable for recharging when the battery level is low.
3. In open outdoor environments without obstructions, the remote controller provides an effective control distance of up to 60 meters.
4. The remote controller will automatically power off after 10 minutes of inactivity. Turn it on again to resume use.
5. When the remote controller is not in use or needs to be stored, fully charge it and turn it off. If the storage period exceeds 6 months, recharge it every 6 months.

*** Note:** After pressing the "Horizontal Cruise Mode" or "Home" button, if you then press the remote's power switch, the cruise or reset mode will automatically stop.

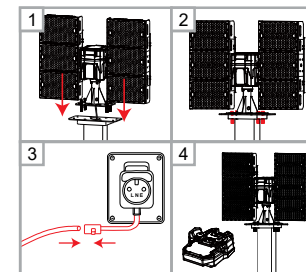
Right Joystick

Controls vertical (up/down) motion of the right lamp head, and can drive the device to rotate horizontally counterclockwise.

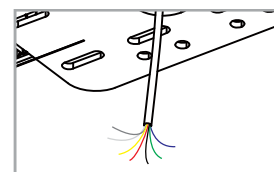
Device Installation Instructions (Example: Diesel Light Tower)

WARNING The device must be installed vertically; tilting or inverted installation is prohibited.

1. Align the device bracket with the mounting holes on the top of the mobile light tower, ensuring the device is vertical.
2. Secure the bracket to the top of the mobile light tower with screws to ensure a firm installation.
3. Route the power cable out through the device's cable outlet and connect it to the light tower's power interface. Follow the correct wiring method.
4. After installation, pair the device with the remote and make the required lighting adjustments. You may adjust lighting modes and angles as needed.



Wiring Instructions



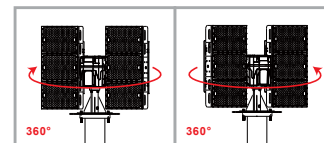
The device is supplied with a power cable containing seven conductors; connect them as follows:

Red (L): Live wire, connect to the live terminal of the power supply.
Black (N): Neutral wire, connect to the neutral terminal of the power supply.
Yellow (G): Ground wire, connect to the ground terminal of the power supply; ensure proper grounding.
Blue & Green: Remote pairing wires, short the two wires together for 3 seconds to complete pairing (non-polarized).
Gray: Dimmer positive, used for dimming signal input.
White: Dimmer negative, used for dimming signal input.

***Note:** Disconnect power before wiring. The ground wire must be securely earthed to ensure safe operation.

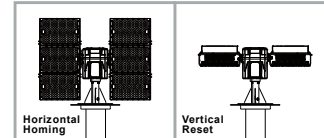
Remote Control Operation

Make sure the remote's power switch is ON before the following operations.



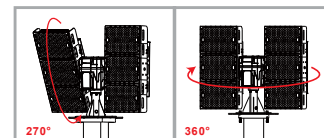
Horizontal Cruise Mode:

1. Press and hold the Horizontal Cruise Mode button for 3 seconds to enable Horizontal Cruise mode.
2. The device will automatically rotate horizontally: first 360° clockwise, then 360° counterclockwise, repeatedly scanning the target area.
3. Press and hold again for 3 seconds to cancel Horizontal Cruise mode.



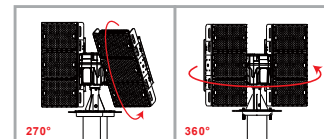
Home Mode:

1. Press and hold the Home button for 3 seconds to enable Home mode.
2. The device will first perform horizontal homing; after homing, the lamp head performs vertical reset.
3. Press and hold again for 3 seconds to cancel Home mode.



Left Joystick:

Moving the stick up/down controls the left lamp head to rotate vertically by 270° for precise illumination. Moving the stick left/right controls the device to rotate horizontally 360° (clockwise).



Right Joystick:

Moving the stick up/down controls the right lamp head to rotate vertically by 270° for precise illumination. Moving the stick left/right controls the device to rotate horizontally 360° (counterclockwise).