

Surakey JIAQI-HL3812X

Surakey 1000 Lumens USB Rechargeable Bike Headlight User Manual

Model: JIAQI-HL3812X

1. INTRODUCTION

This manual provides instructions for the safe and effective use of your Surakey 1000 Lumens USB Rechargeable Bike Headlight. Please read this manual thoroughly before first use and retain it for future reference.

The Surakey bike headlight is designed to enhance visibility and safety during night riding. It features a powerful 1000-lumen output, multiple lighting modes, a quick-release mounting system, and a durable waterproof aluminum alloy construction.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Surakey Bike Headlight
- 1 x Mounting Bracket (Quick-Release)
- 1 x USB Type-C Charging Cable
- Other mounting accessories (e.g., Allen keys, shims)



Image 2.1: Contents of the Surakey Bike Headlight package, including the headlight unit, various mounting brackets, and a USB charging cable.

3. SPECIFICATIONS

Feature	Detail
Light Output	1000 Lumens (Max)
Material	Aluminum Alloy Shell
Dimensions (L x W x H)	115mm x 31mm x 31mm (4.5in x 1.2in x 1.2in)
Weight	220g (0.1 Pounds)
Battery Capacity	4800mAh Lithium Battery
Charging Port	USB Type-C
Waterproof Rating	IPX6
Lighting Modes	Low (300lm), Medium (500lm), High (1000lm), Quick Flash, Slow Flash
Run Time	Up to 11 hours (depending on mode)



Image 3.1: The Surakey Bike Headlight displaying its physical dimensions: 11.5 cm (4.5 inches) in length and 3.1 cm (1.2 inches) in width/height.

4. SETUP AND INSTALLATION

The Surakey bike headlight features a quick-release design for easy attachment and removal.

4.1 Attaching the Mounting Bracket

1. Identify the appropriate location on your bicycle handlebars for the mounting bracket. Ensure it does not obstruct your view or control of the bike.
2. Secure the mounting bracket to the handlebar using the provided screws or straps. Ensure it is tightened firmly to prevent movement during riding.

4.2 Attaching the Headlight

1. Align the base of the headlight with the quick-release mechanism on the mounted bracket.
2. Push the headlight onto the bracket and rotate it until it clicks securely into place. The base is rotatable, allowing for adjustment of the light's direction.
3. To remove the headlight, press the release tab (if present) or rotate the headlight in the opposite direction until it detaches from the bracket.



Image 4.1: Illustration of the quick-release mechanism, showing how the light can be easily attached and detached from its mount by rotating the base.



Image 4.2: The Surakey bike headlight securely mounted on bicycle handlebars, demonstrating its position during use.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Changing Modes

The headlight features a single button for operation.

- **Power On:** Press and hold the power button for approximately 1-2 seconds.
- **Change Brightness Modes:** Once powered on, single-click the button to cycle through the brightness levels: Low (300 lumens) → Medium (500 lumens) → High (1000 lumens).
- **Access Flashing Modes:** Double-click the button to switch to flashing modes: Quick Flash → Slow Flash.
- **Power Off:** Press and hold the power button for approximately 1-2 seconds from any mode.

Type-C charging

USB charging design, use without considering the positive and negative, that is, plug and charge



Image 5.1: The Surakey bike headlight highlighting its 1000-lumen output, 4800mAh battery, and 5 versatile lighting modes with a run time of 3-11 hours.

5.2 Charging the Headlight

The headlight is equipped with a 4800mAh lithium battery and charges via a USB Type-C port.

- Locate the Type-C charging port on the side or rear of the headlight.
- Connect the provided USB Type-C cable to the headlight and the other end to a USB power source (e.g., computer, wall adapter, power bank).
- **Charging Indicator:** A side indicator light will show the charging status:
 - Red: Charging in progress.
 - Green: Fully charged.
 - Blue: In reverse charge mode (requires conversion line, not standard operation).
- **Battery Level Indicator:** When the light is turned on, the indicator will show:
 - Green: Sufficient battery.
 - Red: Low battery, requires charging.

Quick disassembly design is more convenient to use

The base can be rotated and disassembled for easier access



Image 5.2: Detailed view of the Surakey bike headlight's side indicator lights, explaining the red and green states for charging and battery level, and the blue state for reverse charging.

4800mAh lithium battery lasts for 11 hours

Side red light warning, large capacity battery to meet daily needs



Image 5.3: Demonstrates the Type-C charging port on the Surakey bike headlight and examples of the light being charged via a power bank and a smartphone.

6. MAINTENANCE

- **Cleaning:** Wipe the light's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the headlight in a cool, dry place when not in use. If storing for extended periods, charge the battery every 3-6 months to maintain its lifespan.
- **Water Resistance:** While the light has an IPX6 waterproof rating, avoid submerging it in water. Ensure the Type-C port cover is securely closed to prevent water ingress.

7. TROUBLESHOOTING

- **Light does not turn on:**
 - Ensure the battery is charged. Connect to a power source and check the charging indicator.
 - Press and hold the power button for 1-2 seconds to ensure proper power-on sequence.
- **Light does not charge:**
 - Verify the USB Type-C cable is securely connected to both the light and the power source.

- Try a different USB cable or power source to rule out faulty accessories.
- Ensure the charging port is clean and free of debris.
- **Light flickers or dims unexpectedly:**
 - This may indicate a low battery. Recharge the light fully.
 - Ensure the light is not overheating. If it feels excessively hot, turn it off and allow it to cool.

8. SAFETY INFORMATION

- Do not look directly into the light beam, especially on high settings, as it can cause temporary vision impairment.
- Ensure the light is securely mounted before riding to prevent it from falling off.
- Always comply with local regulations regarding bicycle lighting.
- Keep out of reach of children.
- Do not disassemble or attempt to repair the light yourself, as this may void the warranty and cause damage.

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided with your purchase or contact the retailer.

For technical support or inquiries, please contact Surakey customer service through their official channels or the retailer from whom you purchased the product. Please have your model number (JIAQI-HL3812X) and purchase information ready.