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Beteray Beteray-603A

Beteray Rechargeable Headlamp User Manual

MODEL: BETERAY-603A

Introduction

Thank you for choosing the Beteray Rechargeable Headlamp. This manual provides detailed instructions for the proper setup, operation, and maintenance of your headlamp. Designed for various outdoor activities such as camping, hiking, running, and hunting, this headlamp offers powerful illumination, multiple lighting modes, and a comfortable, lightweight design. Please read this manual thoroughly before use to ensure optimal performance and longevity of your device.

Package Contents

Each package contains the following items:

- 1 x Beteray Rechargeable Headlamp
- 1 x 1200mAh Rechargeable Battery (Non-removable, integrated)
- 1 x USB Charging Cable
- 1 x User Manual

Note: This product is typically sold as a 2-pack, meaning you will receive two sets of the above items.



Figure 1: Contents of the Beteray Headlamp package, showing two headlamps, charging cables, and an illustration of the sensor function.

Setup

1. Charging the Headlamp

1. Locate the USB charging port on the headlamp.
2. Connect the provided USB charging cable to the headlamp's port.
3. Plug the other end of the USB cable into a standard USB power adapter (not included) or a computer's USB port.
4. The charging indicator lights on the headlamp will illuminate to show charging progress. A full charge typically takes approximately 4 hours and provides up to 3 hours of runtime on high brightness.

2. Adjusting the Headband

The headlamp features an adjustable elastic headband made of high-elasticity ABS material. To adjust:

- Place the headlamp on your head.
- Use the adjustable buckles on either side of the headband to tighten or loosen it until it fits comfortably and securely.

The headband is adjustable from 11 inches to 22 inches.

- Ensure the headlamp is centered on your forehead for optimal balance and light distribution.



Figure 2: Close-up view of the headlamp's features, including charging port and control buttons.

Operating Instructions

1. Powering On/Off and Mode Selection

The headlamp features two main buttons for operation: a Key Mode Switch and a Sensor Mode Switch.

- **Key Mode Switch:** Press this button to cycle through the 6 standard lighting modes:
 - a. XPG High (Main LED, 300 lumens)
 - b. XPG Low (Main LED)
 - c. COB High (Side LEDs)
 - d. COB Low (Side LEDs)
 - e. Red Light (COB Red LED)

f. Red Light Emergency Strobe (COB Red LED flashing)

To turn off the headlamp, continue pressing the Key Mode Switch until the light turns off, or press and hold the button for a few seconds in any mode.

- **Sensor Mode Switch:** Press this button to activate the inductive sensor mode. Once activated, you can turn the light on or off by waving your hand in front of the headlamp. This mode is particularly useful when your hands are dirty or occupied. Press the Sensor Mode Switch again to deactivate the sensor mode.



Figure 3: Overview of the 6 lighting modes and the sensor mode feature.

2. Angle Adjustment

The headlamp's light unit can be adjusted up to 60 degrees vertically to direct the beam precisely where needed. Simply tilt the light unit up or down to achieve the desired angle.

Multi-functional lightweight headlamp

COB Buble light and 60° angle adjustable to provide a wider range of illumination from more angles.



Figure 4: The headlamp's adjustable angle feature, allowing for precise light direction.

Maintenance

1. Cleaning

- Wipe the headlamp body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- For the headband, it can be hand-washed with mild soap and water if it becomes dirty. Ensure it is completely dry before reattaching to the headlamp or storing.

2. Storage

- Store the headlamp in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the battery is partially charged (around 50%) to prolong its lifespan. Recharge every 3-6 months to prevent deep discharge.

3. Battery Care

- The headlamp uses a non-removable 1200mAh lithium-ion battery.
- Avoid fully discharging the battery frequently, as this can reduce its overall lifespan.
- Use only the provided USB cable or a compatible USB charger for recharging.

Troubleshooting

Problem	Possible Cause	Solution
Headlamp does not turn on.	Battery is depleted.	Charge the headlamp using the provided USB cable.
Light is dim or flickers.	Low battery charge.	Recharge the headlamp fully.
Sensor mode not working.	Sensor mode is not activated.	Press the Sensor Mode Switch to activate it. Ensure there are no obstructions in front of the sensor.
Headlamp turns on accidentally in bag.	Buttons are pressed inadvertently.	Ensure the headlamp is fully turned off before packing. Consider storing it in a protective case or with the buttons facing away from other items.

Specifications

- Model:** Beteray-603A
- Light Source:** 3 x XPG + 2 x COB LEDs
- Brightness:** Up to 300 Lumens
- Lighting Distance:** Up to 50 meters (164 feet)
- Battery:** Integrated 1200mAh Lithium Ion (Non-removable)
- Runtime:** Approximately 3 hours (on high brightness)
- Charging Port:** USB
- Water Resistance:** IPX4 (Splash-proof)
- Angle Adjustment:** 60 degrees
- Material:** ABS
- Weight:** 72g (0.16 lbs / 2.56 ounces)
- Dimensions:** 1.16"D x 1.57"W x 2.54"H
- Certifications:** CE, FCC, RoHS

Beteray

3 XPG + 2 COB

Lamp beads

300

Lumens (real)

164 FT

Lighting distance

60° Angle

2.56 oz lightweight

IPX4 waterproof

Figure 5: Key features and specifications of the Beteray Headlamp in an outdoor setting.

IPX4 Waterproof & 0.16 lbs Lightweight

NOTE: The handheld spotlight is only 72 g/0.16 lbs, can be used in the rain but will break if submerged in water.



Figure 6: The headlamp demonstrating its IPX4 waterproof capability and lightweight design.

Customer Support

For any questions, concerns, or assistance with your Beteray Headlamp, please do not hesitate to contact our customer service team. We are committed to providing excellent support and will respond to your inquiries within 24 hours.

Contact Method: Please reach out to us through the Amazon messaging system where you purchased the product.