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## BERCOL TD62

# BERCOL LED Rechargeable Headlamp TD62 User Manual

Model: TD62

## 1. INTRODUCTION

Thank you for choosing the BERCOL LED Rechargeable Headlamp, Model TD62. This manual provides essential information for the safe and efficient use, maintenance, and troubleshooting of your headlamp. Please read this manual thoroughly before operating the device and retain it for future reference.



Image 1.1: The BERCOL LED Rechargeable Headlamp, showcasing its design and included USB charging cable.

## 2. PRODUCT OVERVIEW

## 2.1 Package Contents

Upon unpacking, please ensure all items listed below are present:

- 1 x BERCOL LED Rechargeable Headlamp
- 3 x Rechargeable Batteries (pre-installed or separate)
- 1 x USB Charging Cable
- 1 x User Manual (this document)

## 2.2 Key Components



Image 2.1: Labeled diagram illustrating the main components of the headlamp.

1. **Adjustable Headband:** For comfortable and secure fit.
2. **Power Display:** Indicates remaining battery charge.
3. **Switch Button:** Controls power and light modes.
4. **LED Chip:** High-intensity light source.
5. **90° Angle Adjustable Head:** Allows directing the light beam.
6. **USB Charging Port:** For recharging the internal batteries.

## 2.3 Features

- **Super Bright Illumination:** Equipped with a powerful LED chip for clear visibility.
- **Long Running Time:** Powered by 3 large capacity rechargeable batteries.
- **USB Rechargeable with Power Bank Function:** Features both input and output for charging and acting as a portable power source.
- **Intuitive Power Display:** Four indicators show battery level, plus a red light function.
- **Adjustable Beam:** Easily switch between wide and narrow beams by stretching the headlamp.
- **90° Tilt Function:** Direct the light precisely where needed.
- **5 Lighting Modes:** High, Medium, Low, Strobe, and SOS for various situations.
- **IPX6 Waterproof Rating:** Suitable for use in wet environments.
- **Lightweight Design:** Weighs approximately 0.66 lbs (300g) for comfortable wear.

## 3. SETUP

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### 3.1 Wearing the Headlamp

The headlamp features an adjustable elastic headband designed for comfort and stability. It can be worn directly on the head or over helmets.

1. **Adjust the Strap:** Use the buckles on the side and top straps to adjust the headband to a snug, comfortable fit around your head or helmet. Ensure it is secure but not too tight.
2. **Positioning:** Place the headlamp unit centrally on your forehead.

# ADJUSTABLE HEADBAND

Adapts to a wide range of head sizes

Only 0.66LB



Adjustable headband



Headlamp for hard hat



Headlamp on bike helmet

Image 3.1: The adjustable headband allows for comfortable wear on the head, hard hats, and bike helmets.

## 4. OPERATING INSTRUCTIONS

### 4.1 Power On/Off and Mode Selection

The headlamp features a single switch button for all operations:

- **To Turn On:** Press the switch button once. The headlamp will activate in High mode.
- **To Cycle Modes:** Press the switch button repeatedly to cycle through the 5 available modes: High → Medium → Low → Strobe → SOS.
- **To Turn Off:** After cycling through all modes, pressing the button again will turn the headlamp off. Alternatively, if the headlamp has been in a single mode for more than 5 seconds, a single press will turn it off.



# 5 LIGHT MODES

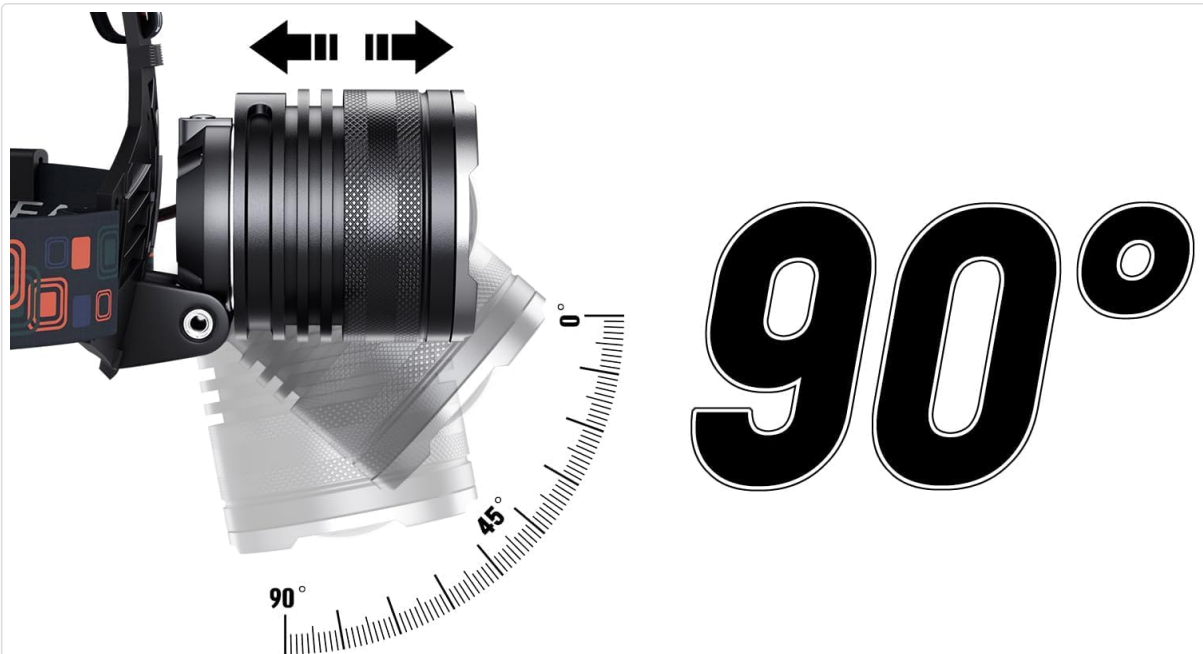


Image 4.1: Visual representation of the five distinct lighting modes.

## 4.2 Adjusting Beam Angle and Focus

The headlamp offers flexibility in directing and focusing its light:

- **90° Angle Adjustment:** The headlamp unit can be tilted up to 90 degrees vertically. Gently push or pull the headlamp body to adjust the angle of the light beam.
- **Wide/Narrow Beam Adjustment:** To change the beam focus, gently pull the front part of the headlamp lens outwards for a narrow, focused beam, or push it inwards for a wider, floodlight beam.



## ADJUSTABLE HEADLAMP



Image 4.2: The headlamp's adjustable angle and beam focus capabilities.

## 5. CHARGING AND BATTERY INFORMATION

### 5.1 Charging the Headlamp

The BERCOL headlamp is equipped with rechargeable batteries and a USB charging port.

1. Locate the USB charging port on the headlamp unit.
2. Connect the provided USB charging cable to the headlamp's port.
3. Connect the other end of the USB cable to a standard USB power source (e.g., wall adapter, computer USB port, power bank).
4. The power display indicators will illuminate to show charging progress.
5. Once all indicators are solid, the headlamp is fully charged. Disconnect the cable.

### 5.2 Power Display

The headlamp features a power display with four indicators to show the remaining battery level:

- **4 Lights:** 75%-100% charge
- **3 Lights:** 50%-75% charge



- **2 Lights:** 25%-50% charge
- **1 Light:** Below 25% charge (recharge soon)

A red light function is also integrated, typically indicating charging status or a specific mode.

### 5.3 Power Bank Function

The headlamp can also function as a power bank to charge other small electronic devices.

1. Connect your device's charging cable to the headlamp's USB output port.
2. The headlamp will begin to transfer power to your device.



Image 5.1: The headlamp's charging capabilities and power display.

## 6. MAINTENANCE

### 6.1 Cleaning

- Wipe the headlamp body with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Clean the lens gently with a microfiber cloth to avoid scratches.

## 6.2 Storage

- Store the headlamp in a cool, dry place away from direct sunlight.
- If storing for an extended period, ensure the batteries are partially charged (around 50%) and recharge them every 3-6 months to maintain battery health.

## 6.3 Waterproofing

The headlamp has an IPX6 waterproof rating, meaning it is protected against powerful water jets. It can withstand rain and splashes but should not be submerged in water.



Image 6.1: The headlamp's IPX6 waterproof capability, suitable for wet conditions.

## 7. TROUBLESHOOTING

If you encounter issues with your BERCOL headlamp, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Headlamp does not turn on.	Low or depleted battery.	Charge the headlamp fully using the provided USB cable.
Light is dim or flickers.	Low battery charge.	Recharge the headlamp.
Headlamp not charging.	Faulty USB cable or power source.	Try a different USB cable or power adapter. Ensure connections are secure.
Beam adjustment (wide/narrow) is stiff.	Dust or debris in the mechanism.	Gently clean around the lens area. Avoid forcing the mechanism.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	TD62
Brand	BERCOL
Light Source Type	LED
Power Source	Battery Powered (3 Rechargeable Batteries included)
Material	Aluminum
Water Resistance Level	IPX6 (Waterproof)
Product Dimensions	2.54 x 2.54 x 2.54 cm (approx. 25D x 25W x 25H mm)
Item Weight	399 g (approx. 0.88 lbs)
Special Features	Adjustable Focus, High Lumens, Lightweight, Rechargeable, Weatherproof

## 9. SAFETY INFORMATION

- **Eye Safety:** Do not look directly into the LED light or shine it directly into the eyes of others. The intense light can cause temporary vision impairment or discomfort.
- **Children:** Keep the headlamp out of reach of children. This is not a toy.
- **Heat:** The headlamp may become warm during prolonged use, especially on high settings. This is normal.
- **Battery Safety:** Use only the specified rechargeable batteries. Do not attempt to open or modify the battery compartment. Dispose of batteries according to local regulations.
- **Charging:** Use only the provided USB cable or a certified equivalent. Do not overcharge.

## 10. CUSTOMER SUPPORT

BERCOL is committed to providing quick and friendly service. If you have any questions, concerns, or require assistance with your BERCOL LED Rechargeable Headlamp TD62, please do not hesitate to

contact our customer service team. We are dedicated to providing a satisfactory resolution to any issues you may encounter.

Please refer to your purchase platform or product packaging for specific contact details.