

Serfas TSL-500

Serfas True 500 USB Headlight Instruction Manual

Model: TSL-500

1. INTRODUCTION

The Serfas True 500 USB Headlight is designed to provide powerful illumination for cycling, ensuring visibility and safety during night rides or in low-light conditions. This lightweight, compact, and bright LED light features a rechargeable Li-Ion battery and multiple mounting options for versatility.



Image: The Serfas True 500 USB Headlight in black, shown mounted on a bicycle handlebar, highlighting its compact design.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Serfas True 500 USB Headlight Unit
- Rechargeable Li-Ion Battery (pre-installed or separate)
- USB Charging Cable
- USB Wall Adapter
- Handlebar Mounting System
- Helmet Mounting System

3. SAFETY GUIDELINES

Always prioritize safety when cycling. Adhere to the following guidelines:

- Ensure the headlight is securely mounted before each ride.
- Do not look directly into the light beam, as it can cause temporary vision impairment.
- Use appropriate light modes for your riding environment (e.g., lower settings in urban areas, higher settings on unlit trails).
- Always comply with local traffic laws and regulations regarding bicycle lighting.
- Keep the light and battery away from extreme temperatures and moisture.

4. SETUP

4.1. Battery Installation (if applicable)

The Serfas True 500 uses a removable Li-Ion battery. If the battery is not pre-installed, carefully insert it into the battery compartment, ensuring correct polarity. Close the compartment securely.

4.2. Mounting the Headlight

The headlight includes both handlebar and helmet mounting systems.

Handlebar Mounting:

1. Attach the handlebar bracket to your bicycle handlebar. The bracket features a wide-ranging adjustment strap to accommodate various bar diameters.
2. Slide the headlight unit onto the bracket until it clicks securely into place. Ensure a tight fit to prevent movement during rides.
3. Adjust the angle of the light to illuminate the path ahead without blinding oncoming traffic.

Helmet Mounting:

1. Secure the helmet mount to your helmet using the provided straps or adhesive, following the helmet manufacturer's recommendations.
2. Slide the headlight unit onto the helmet mount until it is firmly attached.
3. Adjust the light's angle for optimal visibility.

5. CHARGING THE BATTERY

The Serfas True 500 USB Headlight features a USB rechargeable battery pack.

1. Locate the USB charging port on the headlight unit.
2. Connect the provided USB charging cable to the headlight.
3. Plug the other end of the USB cable into the USB wall adapter or a computer's USB port.
4. The light's indicator will show charging status (e.g., red for charging, green for fully charged).
5. A full charge typically takes several hours. Disconnect the charger once charging is complete.

6. OPERATION

6.1. Power On/Off

To turn the light on, press and hold the power button located on the unit. To turn it off, press and hold the power button again.

6.2. Light Modes and Brightness Settings

The Serfas True 500 offers multiple light modes and brightness settings. Once the light is on, short presses of the power button will cycle through the available modes:

- **Overdrive Mode:** Produces a true 500 lumens for maximum brightness.
- **High Mode:** Provides strong illumination for general use.
- **Medium Mode:** Balanced brightness for extended battery life.
- **Low Mode:** Ideal for urban areas or when minimal light is needed, offering up to 15 hours of burn time.
- **Flash/Strobe Mode:** Increases visibility to others, especially in daylight or busy environments.

The light will remember the last used mode when turned back on.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your headlight.

- **Cleaning:** Wipe the light unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the battery regularly, even if the light is not in use for extended periods (e.g., every 3-6 months).
- **Storage:** Store the headlight in a cool, dry place when not in use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	Battery is discharged; Battery not installed correctly; Faulty power button	Charge the battery; Reinstall battery ensuring correct polarity; Contact customer support if button remains unresponsive.
Light does not charge	USB cable or adapter faulty; Battery not making contact; Charging port obstructed	Try a different USB cable/adaptor; Ensure battery is correctly seated; Check charging port for debris.
Light flickers or dims unexpectedly	Low battery; Loose battery connection	Recharge the battery; Ensure battery is securely installed.

9. SPECIFICATIONS

- **Model Number:** TSL-500
- **Light Output:** True 500 Lumens (Overdrive Mode)
- **Power Source:** USB Rechargeable Li-Ion Battery
- **Light Source Type:** LED
- **Runtime:** Up to 15 hours (100 lumen mode)
- **Weight:** 150 grams (with bracket)
- **Mounting Type:** Handlebar, Helmet
- **Color:** Black

10. WARRANTY AND SUPPORT

The Serfas True 500 USB Headlight comes with a limited lifetime warranty. For warranty claims or technical support, please contact Serfas customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty validation.

For further assistance, visit the official Serfas website:www.serfas.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question