

TOWILD CL450

TOWILD CL450 Bike Light User Manual

Model: CL450

1. INTRODUCTION

Thank you for choosing the TOWILD CL450 Bike Light. This ultra-lightweight and versatile bike light is designed to enhance your visibility and safety during night riding. With its powerful 450-lumen output, USB-C rechargeable battery, and durable aluminum alloy construction, the CL450 is an ideal companion for all your cycling adventures. Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. SAFETY INFORMATION

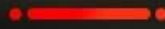
- Always ensure the light is securely mounted before riding.
- Do not look directly into the light beam to avoid temporary vision impairment.
- Keep the light away from children.
- Ensure the USB rubber plug is fully closed to maintain IPX6 waterproof rating, especially in wet conditions.
- Charge the battery in a well-ventilated area and avoid charging overnight unattended.
- Use only the provided USB-C cable or a certified equivalent for charging.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- TOWILD CL450 Bike Light
- USB-C Charging Cable
- ALB-07 Mount (Handlebar Mount)
- GoPro Mount Adapter
- L-Shaped Allen Wrench
- User Manual

BATTERY LEVEL DISPLAY



Battery management, allowing real-time monitoring of remaining power.

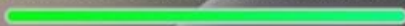


In the power-off state, a single press of the button will display the battery level (turns off after 3 seconds).

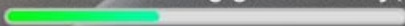
When powered on or functioning as a power bank, the battery level is displayed in real-time. The battery level is indicated as follows:

MANUAL MODE

Indicator solid green(100%-30%)



Indicator flashing green slowly(29%-10%)



Indicator flashing green and red rapidly (Less than 10%)

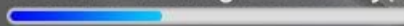


INTELLIGENT MODE

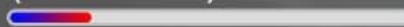
Indicator solid blue(100%-30%)



Indicator flashing blue slowly(29%-10%)



Indicator flashing blue and red rapidly (Less than 10%)



The charging indicator light breathes red when charging, and turns green (manual mode) or blue (smart mode) when fully charged.

Figure 3.1: Contents of the TOWILD CL450 Bike Light package.

4. SETUP AND INSTALLATION

4.1 Charging the Battery

Before first use, fully charge the CL450 bike light. The light features a USB-C charging port for convenient and fast charging.

1. Locate the USB-C charging port on the light.
2. Connect the provided USB-C cable to the light and to a USB power source (e.g., computer, wall adapter, power bank).
3. The charging indicator light will flash red while charging.
4. Once fully charged (approximately 2 hours), the indicator light will turn solid green.



Figure 4.1: Connecting the USB-C charging cable to the CL450 light.

4.2 Mounting the Light

The CL450 offers versatile mounting options, including a handlebar mount and compatibility with Garmin and GoPro bases.

4.2.1 Handlebar Mount (ALB-07)

1. Attach the ALB-07 mount to your bicycle handlebar using the adjustable strap. Ensure it is tight and secure.
2. Align the CL450 light with the mount and slide it into place until it clicks securely.
3. The light can be mounted above or below the handlebar.

4.2.2 Garmin/GoPro Base Compatibility

The CL450 can be attached to existing Garmin quarter lock mounts or GoPro bases using the provided adapter.

1. Attach the GoPro Mount Adapter to your Garmin or GoPro base.
2. Secure the CL450 light to the adapter.



Figure 4.2: CL450 mounted on a bicycle handlebar.

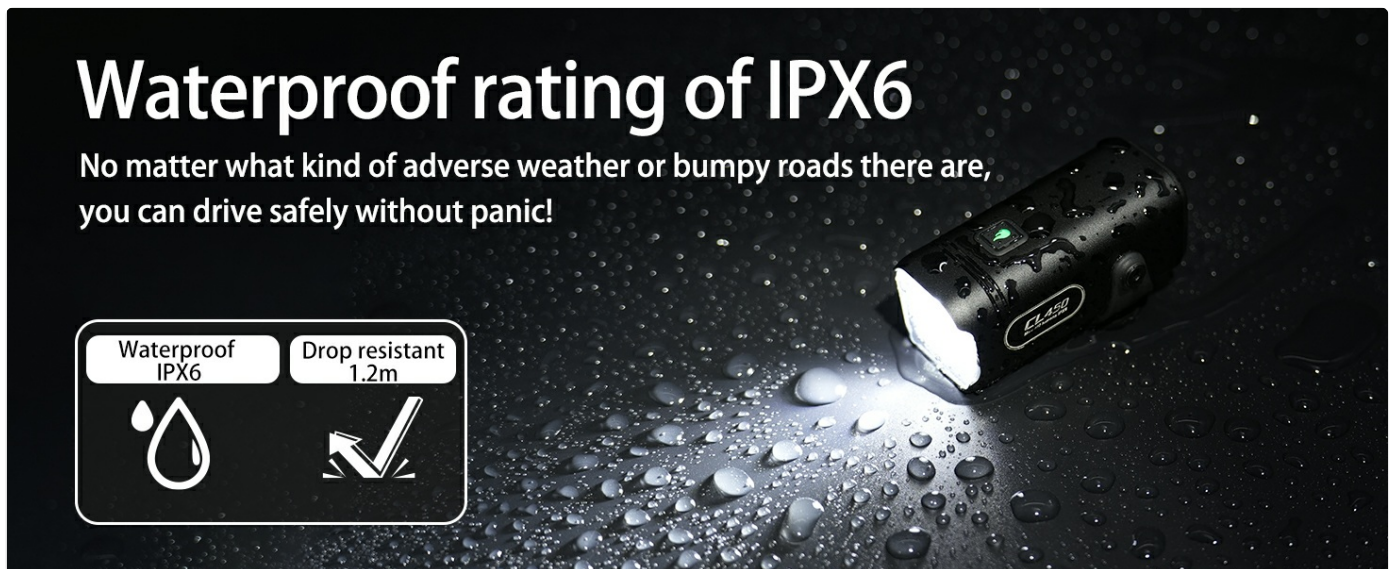


Figure 4.3: CL450 compatibility with Garmin and GoPro mounts.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Mode Switching

The CL450 features a single button for all operations.

- **Power On/Off:** Press and hold the button for approximately 0.5 seconds to turn the light on or off.
- **Switch Modes (Manual Mode):** With the light on, single press the button to cycle through brightness modes: High → Medium → Low → Flash 1 → Flash 2.
- **Enter Intelligent Mode:** From the OFF state, press and hold the button for 3 seconds to enter Intelligent Mode.

5.2 Light Modes and Runtimes

The CL450 offers various modes for different riding conditions:

Mode	Output	Runtime
Low	100 LM	6h
Medium	200 LM	3h
High	450 LM	1.5h
Night Warning (Flash 1)	200 LM	6h
Day Warning (Flash 2)	400 LM	7h

TOWILD

Mini Bike LightCL450

extremely lightweight, weighing only 95 grams!

900mAh

Max 450LM

5 Modes

Vibration sensing

IPX6 Waterproof

USB-C Cable

Figure 5.1: CL450 Light Modes and Runtimes.

5.3 Intelligent Mode (Vibration Sensing)

In Intelligent Mode, the light automatically adjusts based on movement to conserve battery.

- If the light detects no movement for 120 seconds, it will automatically turn off.
- Upon detecting vibration, the light will automatically turn back on.
- Mode selection in Intelligent Mode is the same as Manual Mode for solid-on modes.

Compatible with Garmin and GoPro bases

Multiple assembly options are available

⚠ Attention: The CL450 bike light does not have a remote control function

Figure 5.2: Intelligent Mode with Vibration Sensing.

5.4 Battery Level Display

The indicator light on top of the CL450 provides real-time battery status.

- **From Power-Off State:** A single press of the button will display the battery level for 3 seconds.
- **When Powered On or Charging:** The battery level is continuously displayed.

Battery Level	Manual Mode Indicator	Intelligent Mode Indicator
100% - 30%	Solid Green	Solid Blue
29% - 10%	Flashing Green Slowly	Flashing Blue Slowly

Battery Level	Manual Mode Indicator	Intelligent Mode Indicator
Less than 10%	Flashing Green and Red Rapidly	Flashing Blue and Red Rapidly

During charging, the indicator light breathes red. It turns green (Manual Mode) or blue (Intelligent Mode) when fully charged.



Figure 5.3: Battery Level Display in Manual Mode.



Figure 5.4: Battery Level Display in Intelligent Mode.

6. MAINTENANCE

- **Cleaning:** Wipe the light with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Waterproofing:** The CL450 has an IPX6 waterproof rating, meaning it can withstand heavy rain or strong water splashes. Always ensure the USB rubber plug is securely closed to maintain its waterproof integrity.
- **Storage:** If storing the light for an extended period, charge it to approximately 50% and recharge every 3-6 months to preserve battery life. Store in a cool, dry place.

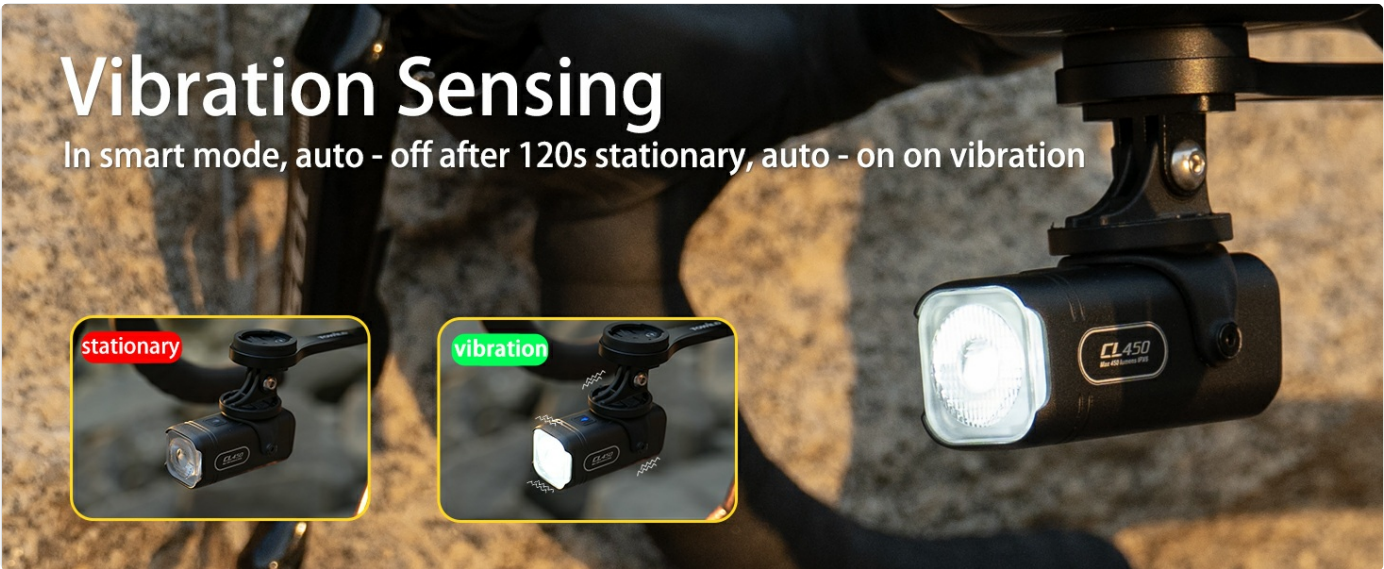


Figure 6.1: IPX6 Waterproof Rating.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted.	Charge the light fully.
Light does not turn on.	Button not pressed correctly.	Press and hold the button for 0.5 seconds.
Light does not charge.	Faulty cable or power source.	Try a different USB-C cable or power adapter.
Light turns off unexpectedly in Intelligent Mode.	No movement detected for 120 seconds.	This is normal behavior. Light will reactivate with movement. If preferred, switch to Manual Mode.
Light seems dim.	Low battery or incorrect mode.	Check battery level and recharge if necessary. Cycle through modes to ensure desired brightness is selected.

8. SPECIFICATIONS

Feature	Detail
Model Name	CL450
Brightness	450 Lumens (Max)
Battery Capacity	900 mAh (from image)
Charging Port	USB-C
Material	Aluminum Alloy
Water Resistance	IPX6 Waterproof
Item Weight	95g (from feature bullets) / 4.8 ounces
Product Dimensions (L x W x H)	69.5mm x 31mm x 31mm (from image) / 2.74"L x 1.22"W x 1.22"H
Mounting Type	Handlebar Mount, Garmin/GoPro Compatible
Number of Settings	5 (Low, Medium, High, Night Warning, Day Warning)

9. WARRANTY AND SUPPORT

The TOWILD CL450 Bike Light comes with a **2-Year Guarantee** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

For warranty claims, technical support, or any questions regarding your TOWILD CL450 Bike Light, please contact TOWILD customer service through the retailer where you purchased the product or visit the official TOWILD website for contact information. Please retain your proof of purchase for warranty purposes.

