

TOWILD TL05

TOWILD TL05 Smart Brake Sensing Bike Tail Light User Manual

Brand: TOWILD | Model: TL05

1. INTRODUCTION

The TOWILD TL05 is a smart bike tail light designed to enhance cyclist safety through advanced features and robust construction. It incorporates intelligent sensors for automatic operation and offers multiple lighting modes to suit various riding conditions. This manual provides detailed instructions for the proper use, installation, and maintenance of your TL05 tail light.



2. PRODUCT FEATURES

- **Smart Brake Sensing:** Automatically intensifies light output when braking is detected, increasing visibility.
- **5 Light Modes:** Offers versatile illumination options including steady and various flashing patterns.
- **Effortless Type-C Charging:** Convenient and fast charging via a Type-C port.
- **Easy Installation:** Two versatile mounting options for under-seat or seat post attachment.
- **Long-lasting Battery:** Powerful 400mAh battery provides up to 40 hours of use on a single charge.
- **IPX7 Waterproof:** Designed to withstand heavy rain and strong water splashes.
- **Light Sensor:** In Smart Mode, automatically turns the light on/off based on ambient light conditions.
- **Vibration Sensor:** In Smart Mode, automatically turns off after 120 seconds of no vibration and turns back on when motion is detected.



Image 2: Overview of TOWILD TL05 key features

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- TOWILD TL05 Bike Tail Light (1)
- Mounting Bracket (1)
- Rubber Bands (2)
- USB Type-C Charging Cable (1)
- User Manual (1)

Packing List



Image 3: All items included in the TOWILD TL05 package

4. SETUP AND INSTALLATION

The TL05 tail light offers two primary mounting methods:

4.1. Saddle Rail Mounting

1. Use two tie wraps (not included, typically zip ties) to pass through the mounting holes of the tail light base.
2. Fix the base securely to the saddle rails.
3. Rotate the tail light 90° clockwise onto the fixed base until it clicks into place.

4.2. Seat Post Mounting

1. Fasten the base of the tail light to the seat post using the provided rubber band.
2. Rotate the tail light 90° clockwise onto the fixed base until it clicks into place.

QUICK INSTALLATION NO TOOLS REQUIRED

No tools required for seat bow or seat post



Image 4: Quick and tool-free installation of the TL05 tail light

Two Mounting Styles

SADDLE RAIL MOUNTING



1. Use two tie wraps to pass through the mounting holes of the tail light base and fix it on the rail
2. Rotate the tail light 90° clockwise and fix it on the base

SEAT POST MOUNTING



1. Fasten the base of the tail light to the seat post with the rubber band
2. Rotate the tail light 90° clockwise and fix it on the base

Image 5: Detailed illustration of saddle rail and seat post mounting options

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Mode Switching

- **Power On/Off:** Long press the switch button for approximately 2 seconds.
- **Switch Modes:** Once powered on, a single click of the switch button will cycle through the five available light modes.
- **Switch Smart/Manual Modes:** Double-click the switch button to toggle between Smart Mode and Manual Mode.



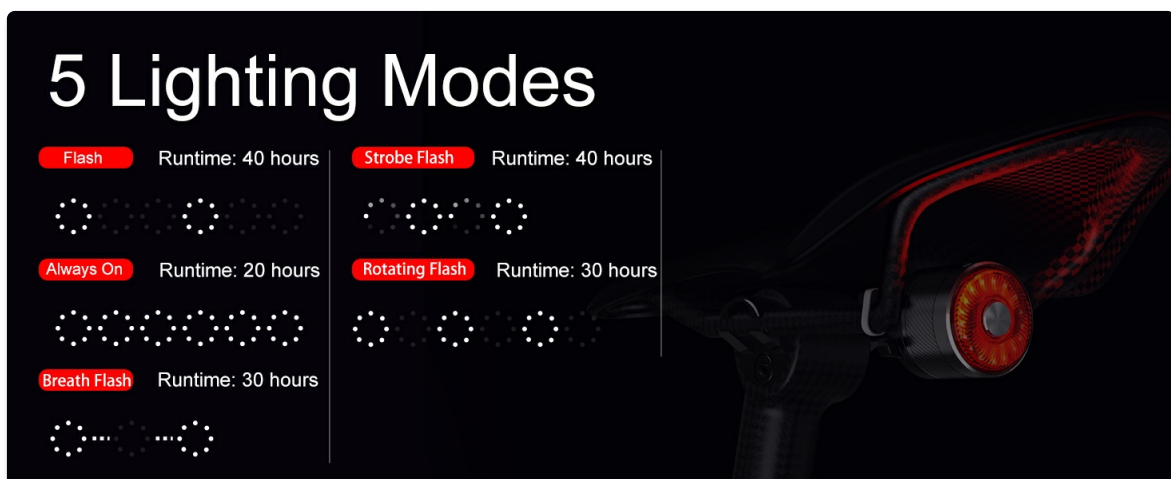
Image 6: Simple controls for power and mode selection

5.2. Light Modes and Runtimes

The TL05 features 5 distinct lighting modes:

- **Always On:** Constant red light (Runtime: 20 hours)
- **Single Flash:** Regular flashing (Runtime: 40 hours)
- **Breathing Flash:** Gradual fade in/out (Runtime: 30 hours)
- **Rotation Flash:** Rotating light pattern (Runtime: 30 hours)
- **Frequency Conversion Blinking:** Variable frequency blinking (Runtime: 40 hours)

Note: In Manual Mode, the light sensor and vibration sensor functions are inactive.



5.3. Smart Mode Features

- **Brake Sensor:** When braking is detected, the tail light will immediately switch to maximum brightness to alert other road users.
- **Light Sensor:** The built-in highly sensitive light sensor automatically turns the light on when surroundings are dark and off when bright.
- **Vibration Sensor:** The light will turn off after 120 seconds if no vibration is detected. If vibration is detected again, the light will automatically turn on.

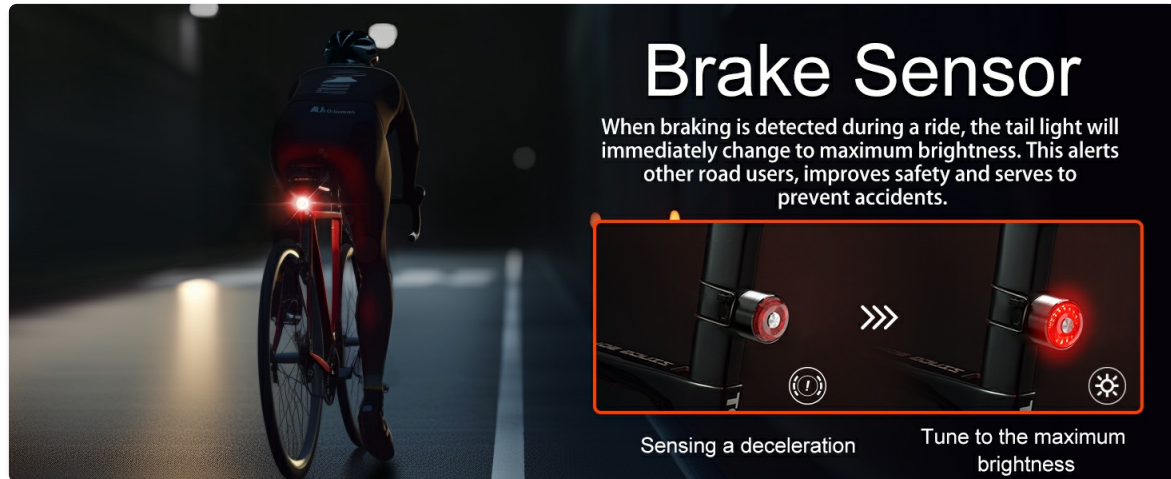


Image 8: Explanation of the brake sensing feature

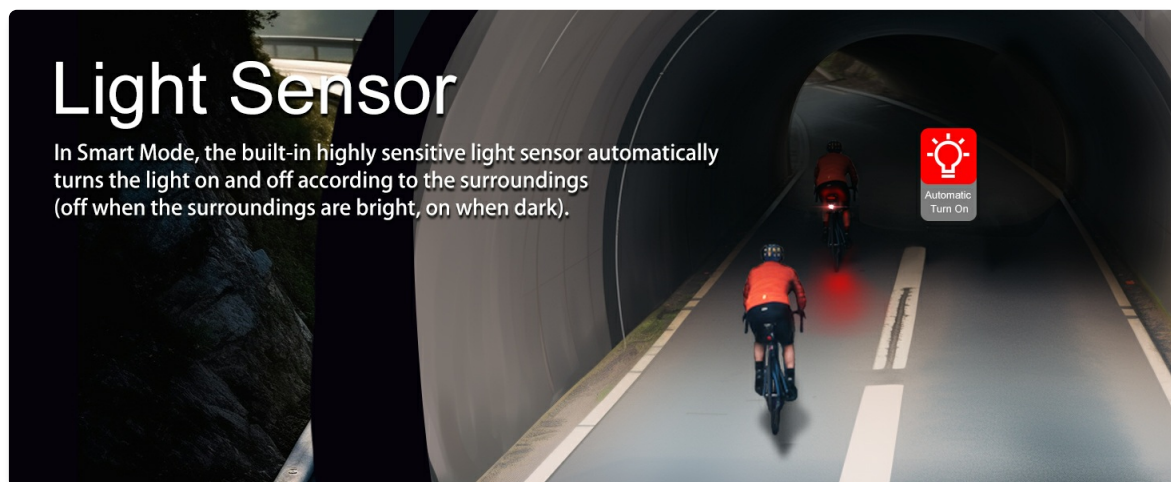
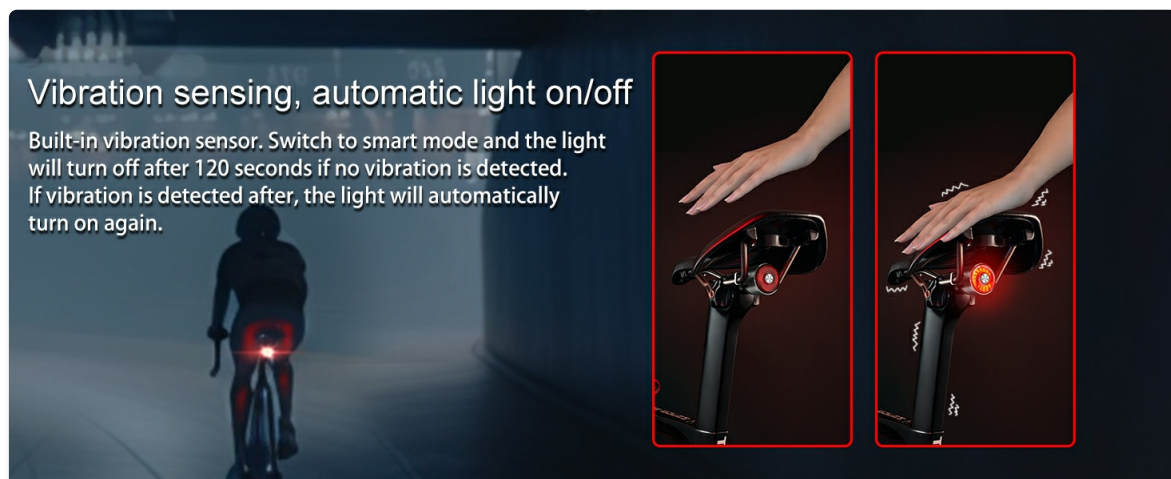


Image 9: How the light sensor operates in Smart Mode



5.4. Charging

The TL05 supports Type-C fast charging and can be fully charged in approximately 2 hours. It can be easily charged from a computer, wall charger, or mobile power bank.

- **Battery Indicator:** The power indicator lights show the remaining battery level.

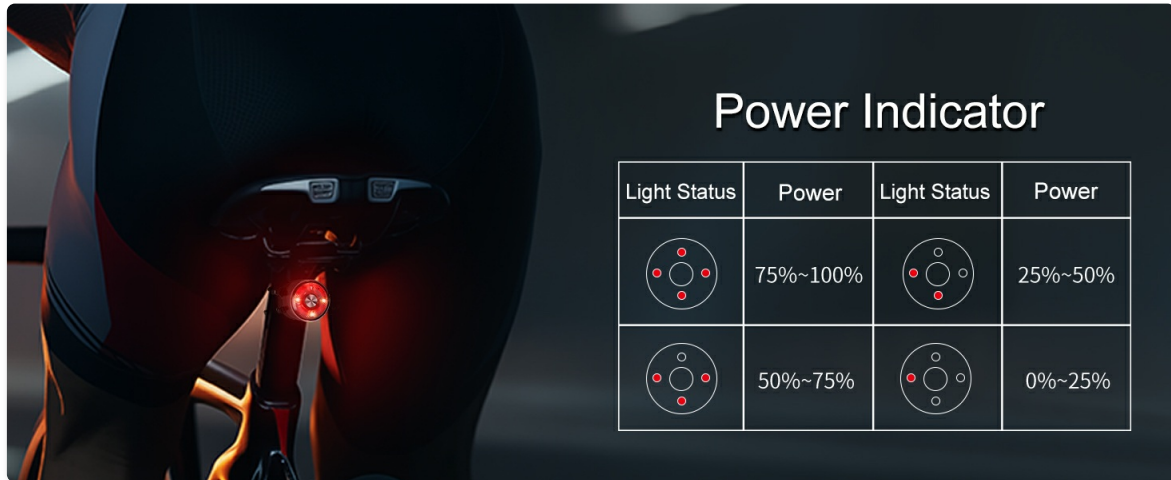


Image 11: Power indicator status for battery level



Image 12: Type-C charging port and charging process

6. MAINTENANCE

- **Cleaning:** Wipe the tail light with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Waterproof Seal:** Ensure the USB plug is securely closed to maintain the IPX7 waterproof rating, especially before riding in wet conditions.
- **Storage:** Store the tail light in a cool, dry place when not in use. For long-term storage, charge the battery periodically to prolong its lifespan.

IPX6

WATERPROOF

NO FEAR OF WIND AND RAIN

Resistant to heavy rain or strong water splashes
(*Please make sure the USB plug is closed)



Image 13: The TL05 is reliably waterproof in various weather conditions

7. TROUBLESHOOTING

- **Light not turning on:** Ensure the battery is charged. Long press the power button to confirm activation.
- **Light not charging:** Check the Type-C cable and charging source. Ensure the cable is properly connected.
- **Smart features not working:** Ensure the light is in Smart Mode (double-click to switch). Verify that sensors are not obstructed.
- **Short battery life:** Ensure the battery is fully charged. Certain high-brightness or continuous modes consume more power.




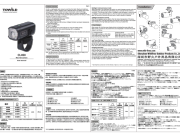

8. SPECIFICATIONS

| Specification | Detail |
|-------------------------|--------------------------|
| Brand | TOWILD |
| Model | TL05 |
| Color | Black |
| Material | Aluminum |
| Power Source | Battery Powered |
| Battery Capacity | 400mAh |
| Charging Port | Type-C |
| Water Resistance Level | IPX7 Waterproof |
| Item Weight | 0.08 Kilograms |
| Mounting Type | Seat Mount |
| Number of Settings | 5 Light Modes |
| Auto Part Position | Rear |
| Item Dimensions (LxWxH) | 1.89 x 1.77 x 1.5 inches |

9. WARRANTY AND SUPPORT

The TOWILD TL05 Bike Tail Light comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or any inquiries regarding your TOWILD TL05 product, please contact TOWILD customer service through the retailer where you purchased the product or visit the official TOWILD website for contact information.

| | |
|---|---|
|  | <p>TOWILD CL600 & CL1200 Bike Lights User Manual and Specifications</p> <p>Comprehensive user manual for TOWILD CL600 and CL1200 bicycle front lights. Details features, specifications, operation, maintenance, and safety information for these USB rechargeable, IPX6 waterproof LED bike lights.</p> |
|  | <p>TOWILD DL1700 Bike Light User Manual</p> <p>Comprehensive user manual for the TOWILD DL1700 bike light, detailing specifications, operation, features, maintenance, and safety precautions for cycling.</p> |
|  | <p>TOWILD CL1000 Pro Bicycle Light User Manual and Specifications</p> <p>Detailed user manual for the TOWILD CL1000 Pro bicycle light, including specifications, mounting instructions, operation modes, charging guide, and troubleshooting tips. Learn how to use and maintain your high-performance cycling light.</p> |
|  | <p>TOWILD CL450 Smart Bike Front Light User Manual</p> <p>Comprehensive user manual for the TOWILD CL450 smart bike front light, detailing product overview, technical specifications, installation, operation instructions, and features like 450 lumens, TYPE-C charging, and intelligent modes.</p> |
|  | <p>TOWILD DLite1800 Bicycle Front Light User Manual</p> <p>Comprehensive user manual for the TOWILD DLite1800 bicycle front light, detailing its features, specifications, operation, charging, and safety guidelines.</p> |
|  | <p>Towild CL2000 User Manual</p> <p>User manual for the Towild CL2000, providing detailed instructions and specifications for its operation and maintenance.</p> |