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› EBUYFIRE Smart Bicycle Taillight User Manual

EBUYFIRE TX3749

EBUYFIRE Smart Bicycle Taillight

USER MANUAL - MODEL TX3749

Introduction

Thank you for purchasing the EBUYFIRE Smart Bicycle Taillight. This device is designed to enhance your cycling safety with its intelligent features, including brake sensing, automatic on/off, and multiple lighting modes. Please read this manual carefully before use to ensure proper installation and operation.

Safety Information

- Do not look directly into the light when it is on, as it may cause temporary vision impairment.
- Ensure the taillight is securely mounted before each ride.
- Keep the device away from extreme temperatures and direct sunlight for prolonged periods.
- Although IPX6 waterproof, avoid submerging the taillight in water.
- Use only the provided USB cable for charging.

Package Contents

- EBUYFIRE Smart Bicycle Taillight (Model TX3749)
- USB Charging Cable
- Saddle Mounting Bracket
- Seat Post Mounting Bracket
- Hex Key (Allen Wrench)
- User Manual

Product Overview



The EBUYFIRE Smart Bicycle Taillight and its included USB charging cables.



Key features of the taillight, including brake sensing, automatic on/off, and COB LED technology.

The taillight features a central button for operation and a USB-C charging port located under the screw-on cap. It is constructed from durable aluminum and utilizes COB LED technology for bright, wide-angle illumination.

Setup and Installation

The taillight comes with two mounting options: a saddle bracket and a seat post bracket.

Easy to install



The taillight is designed for easy installation on various bicycle types.

Includes 2 mounting brackets

Rotate

Easy to remove
Easy to install



1: Saddle bracket installation steps



2: Seat tube bracket installation steps

Detailed steps for installing both saddle and seat post brackets.

1. Saddle Bracket Installation

1. Position the saddle bracket under your bicycle saddle rails.
2. Use the provided hex key to tighten the screws, securing the bracket firmly to the saddle rails.
3. Screw the taillight onto the bracket until it is securely fastened. Ensure the O-ring seal is properly seated to maintain water resistance.

2. Seat Post Bracket Installation

1. Attach the seat post bracket to your bicycle's seat post using the adjustable strap. Ensure it is tight and stable.
2. Screw the taillight onto the bracket until it is securely fastened. The bracket is designed to correct the angle, ensuring the light is horizontal for optimal visibility.

Operating Instructions

Power On/Off

- **To Turn On:** Press and hold the central button for approximately 2 seconds.
- **To Turn Off:** Press and hold the central button for approximately 2 seconds.

Mode Switching

Once the light is on, short press the central button to cycle through the 4 available lighting modes:

1. **Constant Light:** Steady illumination.
2. **Slow Flash:** Slow, rhythmic flashing.
3. **Breathing Mode:** Light slowly fades in and out.
4. **Fast Triple Flash:** Quick bursts of three flashes.

Intelligent Features



The taillight features intelligent light sensing for automatic on/off functionality.

IP65 Waterproof

Rainy day



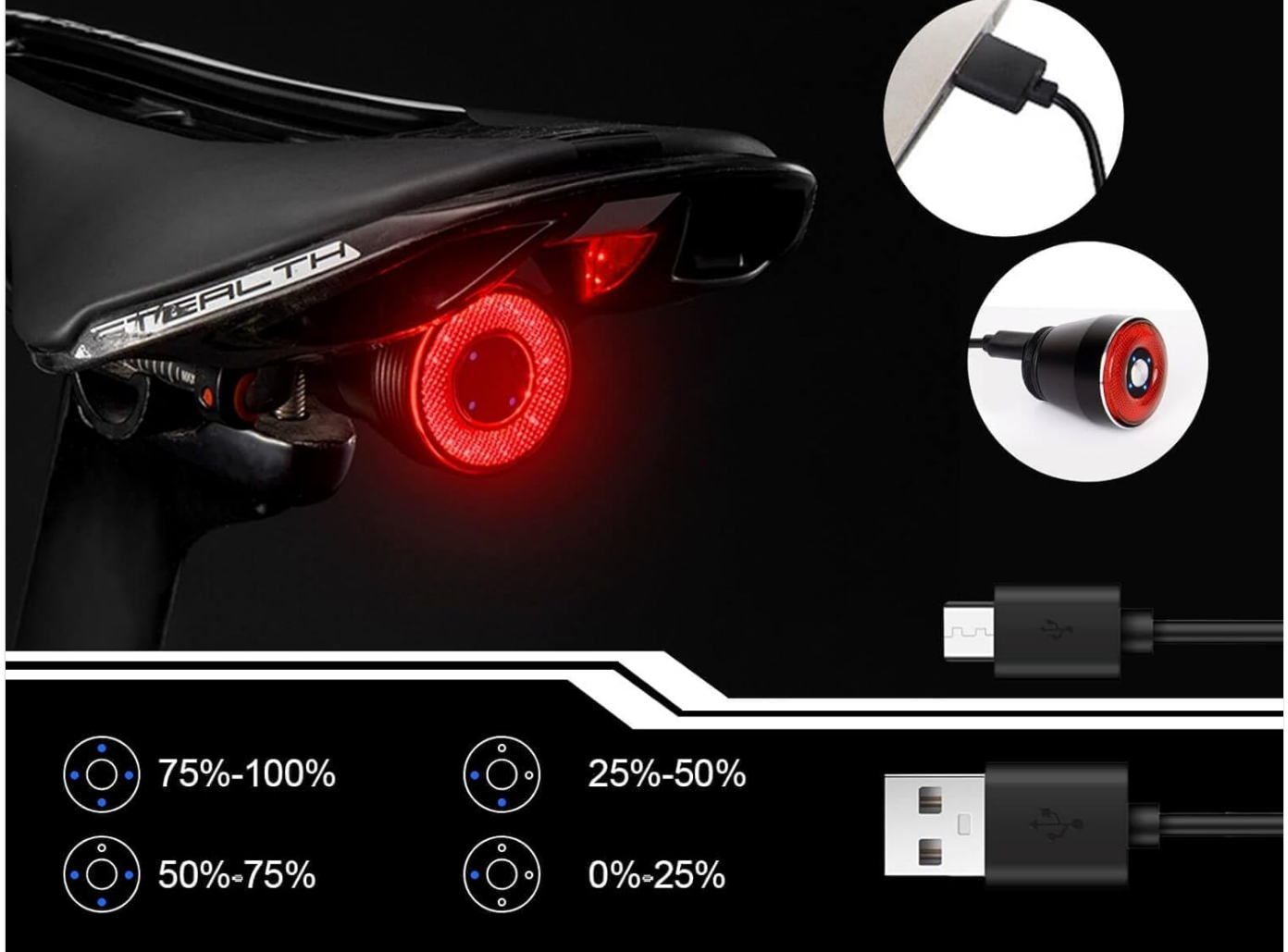
The taillight is IPX6 waterproof, suitable for use in rainy conditions.

- **Smart Brake Sensing:** An integrated accelerometer detects when you are braking or decelerating. The light will automatically brighten significantly for approximately 3 seconds to alert vehicles behind you. This feature works in all lighting modes.
- **Automatic Start/Stop (Light Sensing):** In the first two modes (Constant Light and Slow Flash), the taillight will automatically turn off after 30 seconds of no movement and will automatically turn back on with the first movement detected. This conserves battery life. In the other modes (Breathing Mode and Fast Triple Flash), the light will remain on regardless of movement.

Charging

USB Rechargeable

Battery level indication



The taillight is USB rechargeable and features a clear battery level indicator.

- **Charging Port:** Unscrew the taillight from its mount to access the USB-C charging port.
- **Charging Process:** Connect the provided USB cable to the taillight and a standard USB power source (e.g., computer, wall adapter).
- **Charging Time:** A full charge typically takes approximately 2 hours.
- **Battery Indicator:** Four small blue LED lights on the side of the taillight indicate the battery level:
 - 4 LEDs: 75%-100%
 - 3 LEDs: 50%-75%
 - 2 LEDs: 25%-50%
 - 1 LED: 0%-25% (Recharge soon)

Maintenance

- **Cleaning:** Wipe the taillight with a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Storage:** Store the taillight in a cool, dry place when not in use. If storing for an extended period, charge the battery to approximately 50% every 3 months to prolong battery life.
- **Port Protection:** Always ensure the taillight is fully screwed onto its mount to protect the charging port from water and dust.

Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted.	Charge the taillight fully.
Light does not turn on/off automatically.	Not in an automatic mode (Constant Light or Slow Flash).	Switch to Constant Light or Slow Flash mode.
Brake sensing not working.	Light is not securely mounted or accelerometer is obstructed.	Ensure the light is tightly screwed onto its mount and there are no obstructions.
Light flickers or dims unexpectedly.	Low battery.	Recharge the taillight.

Specifications

Model Number	TX3749
Material	Aluminum
Dimensions (L x W x H)	10 x 4 x 3 cm
Weight	10 Grams
Light Source	COB LED
Brightness	100 lm
Lighting Modes	4 (Constant, Slow Flash, Breathing, Fast Triple Flash)
Battery Type	Lithium-polymer (400 mAh)
Charging Time	Approx. 2 hours
Battery Life	25-50 hours (depending on mode)
Water Resistance	IPX6
Mounting Type	Saddle or Seat Post

Warranty and Support

EBUYFIRE products are manufactured with high-quality materials and undergo strict quality control. For any questions, technical support, or warranty claims, please contact EBUYFIRE customer service through the retailer where you purchased the product or visit the official EBUYFIRE website for contact information.

Please retain your proof of purchase for warranty purposes.

