

ENFITNIX XLite100

ENFITNIX Xlite 100 Bike Tail Light User Manual

Model: XLite100

INTRODUCTION

Thank you for choosing the ENFITNIX Xlite 100 Smart Braking Sensing LED Bike Tail Light. This manual provides detailed instructions for the proper installation, operation, and maintenance of your device. Please read this manual thoroughly before use to ensure optimal performance and safety.

PRODUCT FEATURES

- **Braking Sensing:** Automatically detects braking and increases light intensity.
- **Smart Light Sensing:** Automatically turns on at night and off during the day.
- **Self-Adaptive Technology:** Compensates for non-horizontal installation or sloping roads to ensure accurate braking detection.
- **Dual Operating Modes:** Manual and Automatic modes for versatile use.
- **USB Rechargeable:** Convenient charging via Micro USB.
- **IPX6 Waterproof:** Designed to withstand various weather conditions.
- **Durable Construction:** Full CNC Aluminium Alloy Chassis for high hardness and longevity.
- **High Visibility:** COB LED with EnSc lens provides bright illumination without dazzling.

SETUP AND INSTALLATION

The ENFITNIX Xlite 100 comes with a saddle mounting bracket for secure attachment to your bicycle.

Mounting the Tail Light

1. Attach the saddle mounting bracket securely under your bicycle seat. Ensure it is firmly tightened to prevent movement during rides.
2. Screw the Xlite 100 tail light onto the mounting bracket. The threaded design ensures a stable connection.
3. Verify that the light is facing directly backward and is not obstructed by any part of the bicycle or saddle bag.



Image: Saddle mounting bracket. This image illustrates the design of the mounting bracket used to attach the Xlite 100 tail light under the bicycle saddle.



Image: Xlite 100 mounted. This image shows the ENFITNIX Xlite 100 tail light securely screwed into the saddle mounting bracket, ready for use.

Initial Charge

Before first use, fully charge the device. Refer to the 'Charging' section for detailed instructions.

OPERATING MODES

The Xlite 100 offers both Manual and Automatic operating modes, along with smart sensing capabilities.

Dual Operating Modes



Image: Dual Operating Modes. This image displays the switch on the back of the Xlite 100, allowing users to select between 'Manual' and 'Auto' modes.

- **Manual Mode:** Functions like a standard tail light. Press the button to cycle through light patterns.
- **Auto Mode:** Utilizes smart sensors to automatically control the light.

Smart Light Sensing

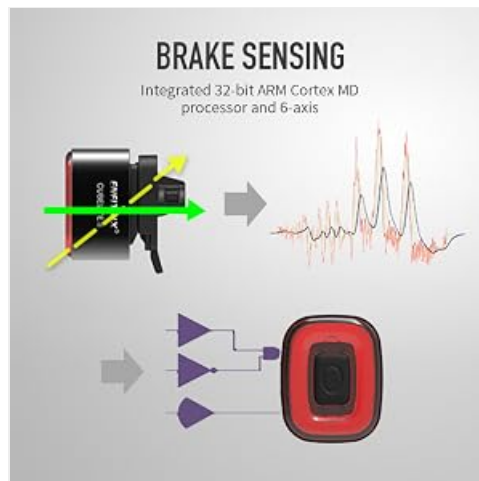


Image: Smart Light Sensing. This image highlights the high-sensitive ALS sensor in the Xlite 100, which enables automatic operation based on ambient light conditions. The light automatically stops during daytime and starts at night. It also features an auto shut-down in approximately 10 seconds when exposed to high light intensity environments.

In Auto Mode, the integrated high-sensitive ALS sensor detects ambient light:

- Automatically turns the light ON at night or in low-light conditions.
- Automatically turns the light OFF during the day or in high-light conditions after approximately 10 seconds of exposure.

Self-Adaptive Technology



Image: Self-Adaptive Technology. This diagram illustrates how the Xlite 100's self-adaptive algorithm compensates for gravity (G) on sloping roads or non-horizontal installations, ensuring accurate braking detection regardless of the mounting angle.

The Xlite 100 incorporates a self-adaptive algorithm to ensure correct braking detection. This technology helps to avoid false positives caused by gravity when cycling on a sloping road or if the light is installed in a non-horizontal position.

Easy Control and Light Behavior

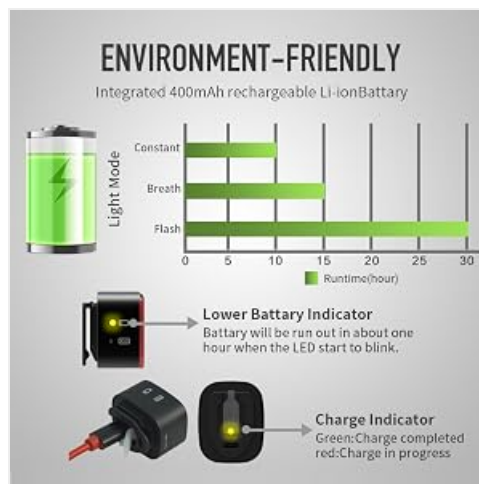


Image: Easy Control Chart. This chart details the light's behavior under different conditions for both Manual and Auto modes, including movement detection, light intensity, and braking. Note: Only the front button can turn off the light when operating under "Manual" mode.

The light's behavior varies based on the selected mode and environmental conditions:

Condition	Manual Mode*	Auto Mode
Movement detected + High light intensity + Lasts for 10s	On	Off
Movement detected + Low light intensity	On	On
No Movement + Lasts for 60s	On	Off
Braking	Brake light (Max on)	Brake light (Max on)
Any other condition	On	Off

*Note: Only the front button can turn off the light when operating under "Manual" mode.

CHARGING

The ENFITNIX Xlite 100 is equipped with a Micro USB port for convenient recharging.



Image: USB Rechargeable. This image shows the Xlite 100 connected via a Micro USB cable for charging, along with an illustration of the charging indication light on the back of the device.

1. Locate the Micro USB port on the back of the tail light.
2. Connect the provided USB cable to the light and to a standard USB power source (e.g., computer, wall adapter).
3. A charging indicator light on the back of the device will illuminate during charging. This light will change color or turn off when charging is complete.
4. Once fully charged, disconnect the cable.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Xlite 100.

- **Cleaning:** Wipe the light with a soft, damp cloth to remove dirt and debris. Do not use harsh chemicals or abrasive materials.
- **Storage:** Store the light in a cool, dry place when not in use. Avoid extreme temperatures.
- **Charging:** Recharge the battery regularly, even if not in frequent use, to maintain battery health. Avoid completely draining the battery for extended periods.
- **Water Resistance:** While IPX6 waterproof, avoid prolonged submersion. Ensure the USB port cover is securely closed to maintain water resistance.

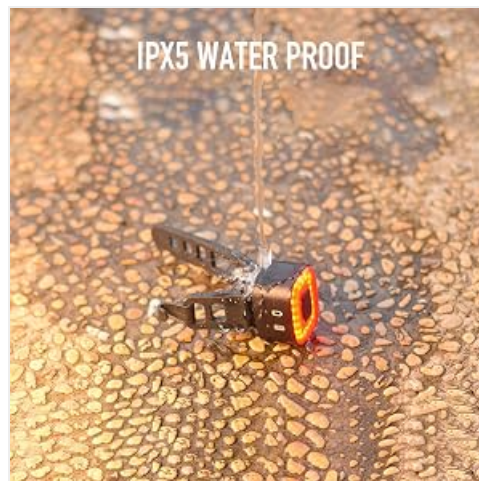


Image: IPX6 Waterproof Design. This image shows the Xlite 100 submerged in shallow water, demonstrating its IPX6 water resistance, suitable for various environments.

TROUBLESHOOTING

If you encounter issues with your ENFITNIX Xlite 100, refer to the following common solutions:

- **Light not turning on:**
 - Ensure the battery is charged. Connect to a USB power source and check the charging indicator.
 - If in Auto Mode, check ambient light conditions. The light will not turn on in bright environments. Move to a darker area to test.
 - Press the power button firmly to ensure it's engaged.
- **Braking sensing not working correctly:**
 - Ensure the light is securely mounted and not loose.
 - The self-adaptive technology should compensate for angles, but extreme angles or vibrations might affect performance.
- **Light turns off unexpectedly in Auto Mode:**
 - This is normal behavior if the light detects high ambient light for more than 10 seconds.
 - If no movement is detected for 60 seconds, the light will also turn off in Auto Mode to save power.
- **Charging indicator not working:**
 - Try a different USB cable or power source.
 - Ensure the cable is fully inserted into the Micro USB port.

SPECIFICATIONS

Technical details for the ENFITNIX Xlite 100:

Specification	Detail
Brand	ENFITNIX
Model Number	XLite100
Material	Aluminum
Water Resistance Level	IPX6
Item Weight	0.01 Ounces
Mounting Type	Seat Mount



Image: COB LED and CNC Aluminium Chassis. This image showcases the COB LED with EnSc lens for high visibility without glare, and the full CNC Aluminium Alloy Chassis, highlighting its robust construction from over 42 CNC processes.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact ENFITNIX customer service through their official website or the retailer where the product was purchased. Keep your proof of purchase for warranty claims.

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

