Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Fosmon 51120HOMFA

Fosmon Smart Bike Tail Light with Turn Signal and Anti-Theft Alarm

Model: 51120HOMFA

1. Introduction

Thank you for purchasing the Fosmon Smart Bike Tail Light. This device is a versatile 5-in-1 solution designed to enhance your cycling safety and security. It integrates a warning light, turn signals, an automatic brake light, a bike horn, and an anti-theft alarm. Please read this manual thoroughly before use to ensure proper operation and maintenance.

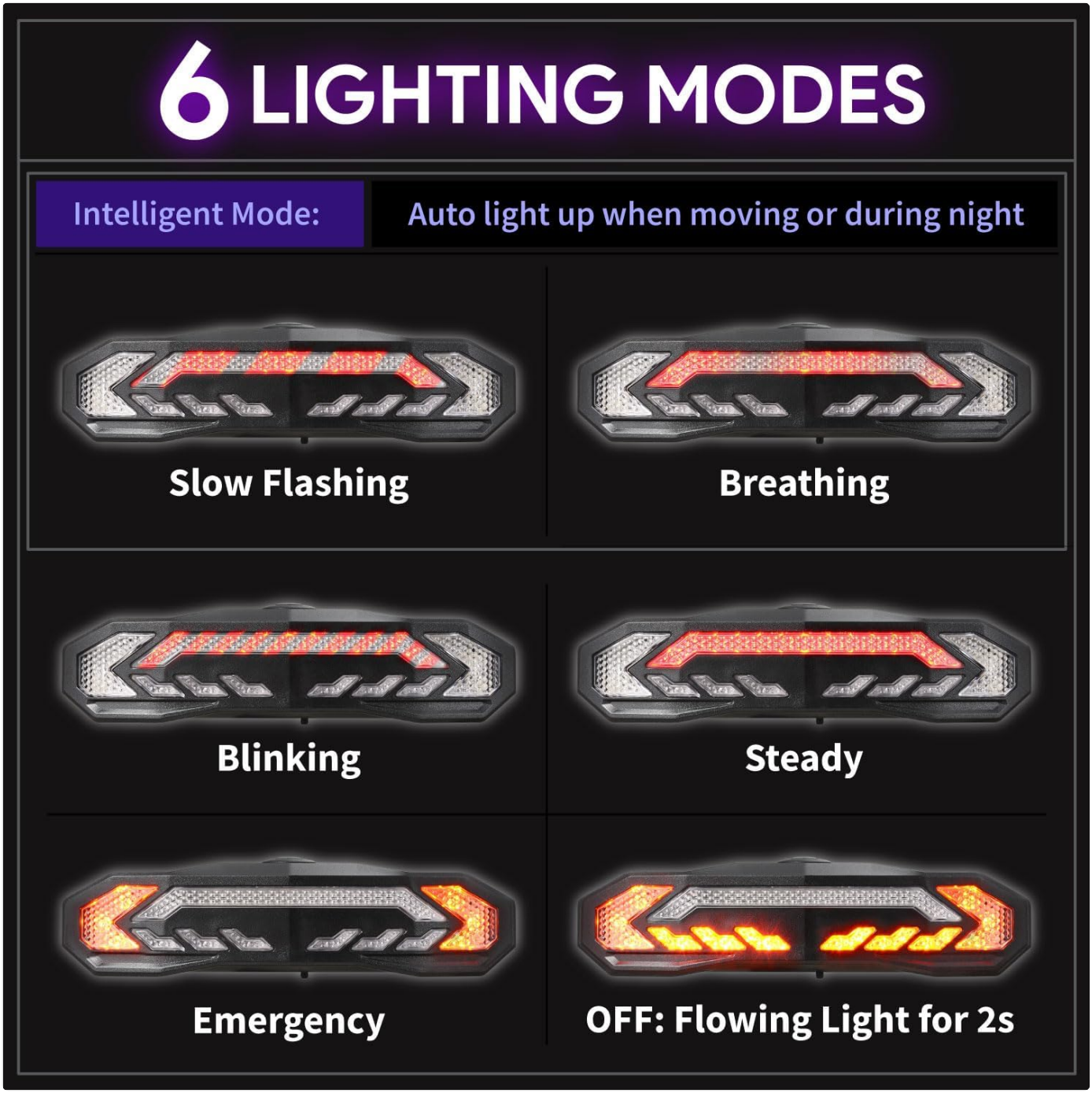


Image 1.1: Fosmon Smart Bike Tail Light and its remote control.

2. Package Contents

- Fosmon Smart Bike Tail Light
- Wireless Remote Control (with CR2032 battery installed)
- USB-C Charging Cable
- Mounting Bracket for Tail Light
- Mounting Bracket for Remote Control
- Rubber Straps/Ties for Mounting
- User Manual

3. Product Features

- **5-in-1 Functionality:** Warning light, turn signals, automatic brake light, bike horn, and anti-theft alarm.

- **6 Lighting Modes:** Slow Flashing, Breathing, Blinking, Steady, Emergency, Off.
- **Automatic Brake Light:** Built-in accelerometer detects braking and illuminates red for 2 seconds.
- **Audible Turn Signals:** Left/right turn signals accompanied by a clicking sound.
- **110dB Electric Horn:** Three selectable horn sounds (Standard, Electric Car, Bird Call).
- **110dB Anti-Theft Alarm:** Vibration-activated alarm with 7 adjustable sensitivity levels.
- **Smart Auto On/Off:** Energy-saving feature using motion and ambient light sensors in specific modes.
- **USB-C Rechargeable:** 1500mAh battery provides up to 70 hours of operation or 8 months standby.
- **IP65 Waterproof:** Durable PC + anti-UV material construction for all-weather use.
- **Wireless Remote Control:** Up to 60m/196ft wireless range.

4. Setup and Installation

4.1 Tail Light Installation

1. Select a suitable position on your bicycle's seatpost.
2. Attach the tail light mounting bracket to the seatpost using the provided rubber straps. Ensure it is securely fastened and does not rotate.
3. Slide the tail light onto the bracket until it clicks into place. Ensure the light is facing directly backward.

4.2 Remote Control Installation

1. Choose a convenient location on your handlebar that is easily accessible while riding.
2. Attach the remote control mounting bracket to the handlebar using the provided rubber straps.
3. Slide the remote control onto the bracket until it is secure.



Image 4.1: Mounting bracket dimensions for tail light (27mm-40mm) and remote control (23mm-34mm).

5. Operating Instructions

5.1 Remote Control Overview

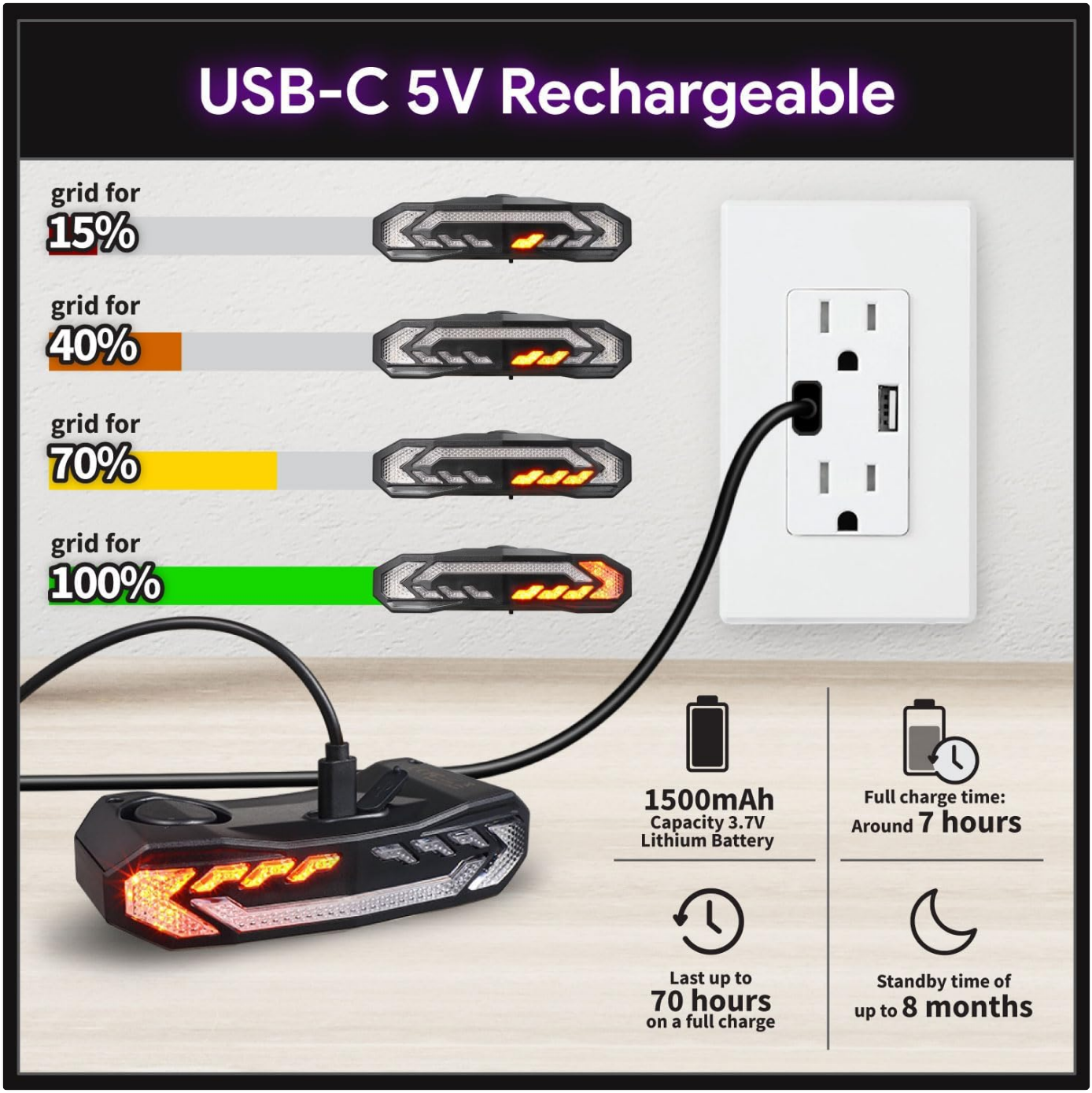


Image 5.1: Remote control button layout. Top: Right Turn Light, Left: Left Turn Light, Center: Electric Horn, Bottom Left: Light Mode, Bottom Right: Arm/Disarm.

5.2 Power On/Off

The tail light automatically powers on when motion is detected in Intelligent Mode. To manually turn on/off or cycle through modes, use the Light Mode button on the remote.

5.3 Lighting Modes

Press the **Light Mode** button on the remote control to cycle through the 6 available lighting modes:

1. **Intelligent Mode (Slow Flashing/Breathing):** Auto light up when moving or during night. Energy-efficient auto on/off based on motion and ambient light.
2. **Slow Flashing**
3. **Breathing**
4. **Blinking**
5. **Steady**

6. **Emergency**
7. **Off**



Image 5.2: Visual representation of the six lighting modes: Intelligent Mode, Slow Flashing, Breathing, Blinking, Steady, Emergency, and Off (flowing light for 2s).

5.4 Turn Signals and Automatic Brake Light

- **Left Turn Signal:** Press the **Left Turn Light** button on the remote. The left side of the tail light will illuminate and a clicking sound will be emitted.
- **Right Turn Signal:** Press the **Right Turn Light** button on the remote. The right side of the tail light will illuminate and a clicking sound will be emitted.
- **Automatic Brake Light:** The built-in accelerometer detects when you slow down or stop. The tail light will automatically illuminate red for 2 seconds to alert traffic behind you.



Image 5.3: Illustration of left turn signal, right turn signal (both with clicking sound), and automatic brake light (auto lights up for 2s when slowing down or stopping).

5.5 Bike Horn

Press the **Electric Horn** button on the remote control to activate the 110dB horn. There are 3 horn sound options (Standard, Electric Car, Bird Call). To change the horn sound, press and hold the Electric Horn button for 3 seconds until the sound changes.

5.6 Anti-Theft Alarm

- **Arming the Alarm:** Press the **Arm/Disarm** button (lock icon) on the remote control once. The tail light will flash and emit a short beep to indicate the alarm is armed.
- **Disarming the Alarm:** Press the **Arm/Disarm** button (unlock icon) on the remote control once. The tail light will emit a short beep to indicate the alarm is disarmed.
- **Alarm Trigger:** When armed, if vibrations are detected, the alarm will sound at 110dB.
- **Adjusting Sensitivity:** The alarm has 7 sensitivity levels. To adjust, disarm the alarm, then press and hold the Arm/Disarm button for 3 seconds. The light will flash to indicate the current sensitivity level. Press the Arm/Disarm

button repeatedly to cycle through levels. The device will save the last selected level.



Image 5.4: The anti-theft alarm produces a loud 110dB sound when vibration is detected, deterring theft.

6. Charging

The Fosmon Smart Bike Tail Light is equipped with a 1500mAh rechargeable lithium battery and a USB-C charging port.

1. Locate the USB-C charging port on the tail light.
2. Connect the provided USB-C cable to the tail light and the other end to a USB power source (e.g., computer, wall adapter).
3. The indicator lights on the tail light will show charging progress.
4. A full charge takes approximately 7 hours.
5. Once fully charged, the tail light can operate for up to 70 hours or remain in standby for up to 8 months, depending on usage.

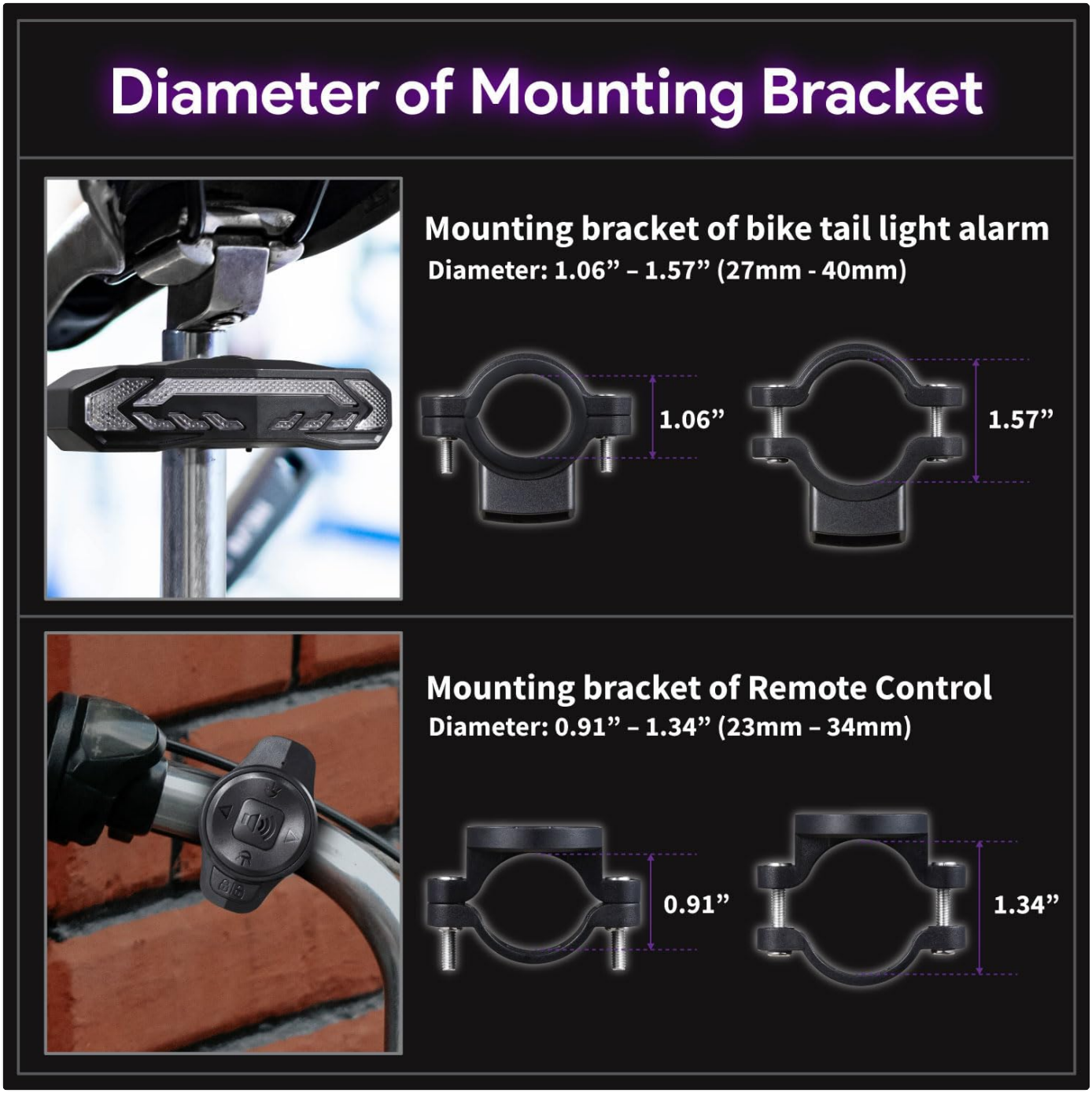


Image 6.1: The tail light charges via USB-C. Indicators show charge level (15%, 40%, 70%, 100%). It has a 1500mAh battery, takes about 7 hours to fully charge, and lasts up to 70 hours of use or 8 months standby.

7. Maintenance

- **Cleaning:** Wipe the tail light and remote control with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Resistance:** The device is IP65 waterproof, meaning it is protected against dust and low-pressure water jets. Avoid submerging it in water.
- **Battery Care:** For optimal battery life, charge the device regularly, especially if it has not been used for an extended period. Avoid fully depleting the battery frequently.
- **Storage:** Store the device in a cool, dry place when not in use.
- **Remote Control Battery:** The remote control uses a CR2032 coin cell battery. Replace it when the remote's range or responsiveness decreases.

8. Troubleshooting

- **Light not turning on:**
  - Ensure the battery is charged.
  - Check if the light is in 'Off' mode; cycle through modes using the remote.
- **Remote control not working:**
  - Check the CR2032 battery in the remote control and replace if necessary.
  - Ensure the remote is within the 60m/196ft wireless range of the tail light.
  - Ensure there are no significant obstructions between the remote and the tail light.
- **Alarm not activating or too sensitive/insensitive:**
  - Ensure the alarm is armed (press the lock button on the remote).
  - Adjust the alarm sensitivity (refer to Section 5.6).
- **Automatic brake light not working:**
  - Ensure the tail light is securely mounted and not loose, as this can affect accelerometer readings.
  - The brake light function is active in most modes except Emergency/Off.

9. Specifications

Brand	Fosmon
Model Number	51120HOMFA
Material	Polycarbonate (PC)
Light Output	Up to 160 Lumens
Battery Capacity	1500mAh Lithium Battery
Charging Port	USB-C
Charging Time	Approx. 7 hours
Operating Time	Up to 70 hours (depending on mode)
Standby Time	Up to 8 months
Waterproof Rating	IP65
Alarm Volume	110dB
Remote Control Battery	CR2032 (included)
Wireless Range	Up to 60m / 196ft
Mounting Type	Seatpost Mount

10. Warranty and Support

Fosmon products come with a limited warranty. For specific warranty details, product support, or to register your product, please visit the official Fosmon website or contact their customer service. Please retain your proof of purchase for warranty claims.

© 2023 Fosmon. All rights reserved.

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

Open the live page

https://manuals.plus/asin/B0C6NCDPSW

More documents and user manuals: **https://manuals.plus/**