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Fosmon 51143HOMFX

# Fosmon Smart Bike Alarm 100dB Headlight and Tail Light Set User Manual

Model: 51143HOMFX

Brand: Fosmon

## 1. INTRODUCTION AND OVERVIEW

This manual provides instructions for the Fosmon Smart Bike Alarm 100dB Headlight and Tail Light Set. This multifunctional system enhances cycling safety and security by integrating a headlight, a 5-in-1 tail light (hazard lights, turn signals, auto brake light, bike horn, and anti-theft alarm), and a wireless remote control. It features multiple lighting modes, automatic on/off functionality, and a durable waterproof design.

# Multi-Function Bike Alarm with Headlight



Image 1.1: Overview of the multi-function bike alarm system, showing the headlight, tail light, and remote control.

## 2. PRODUCT FEATURES

- **Multifunctional Design:** The system includes a headlight and a 5-in-1 tail light that combines hazard lights, turn signals, an auto brake light, a bike horn, and an anti-theft alarm.
- **Multiple Lighting Modes:** The rear light offers 6 distinct lighting modes. The first 5 modes incorporate an accelerometer-based auto brake light feature, enhancing visibility and safety.
- **110dB Anti-Theft Alarm:** Equipped with a loud 110dB alarm that activates upon detecting movement, serving as a deterrent against theft.
- **IP65 Waterproof Rating:** Both the headlight and tail light are designed with an IP65 waterproof rating, ensuring reliable performance in various weather conditions.
- **USB-C Rechargeable with Auto On/Off:** Features a built-in 1500mAh rechargeable battery. Motion and ambient light sensors enable automatic on/off functionality to conserve battery life, providing up to 70 hours of use.

# Multiple Lighting Modes

Be seen on the road



Blinking



Flashing



Breathing



Steady



Hazard



Smart Modes



Auto On/Off



Headlight



Image 2.1: Illustration of various lighting modes available for the tail light, including blinking, flashing, breathing, steady, and hazard.



Image 2.2: The headlight illuminates the road ahead with options for high light, low light, and flash light modes.

# Anti-Theft Bike Alarm



Image 2.3: The anti-theft bike alarm features a loud 100dB sound to deter potential thieves.

# One Remote

Quick Snap On Mount



Image 2.4: The single remote control allows for quick snap-on mounting and easy operation of all functions.



Image 2.5: The system is equipped with a USB-C rechargeable battery for convenient charging.

### 3. SETUP AND INSTALLATION

Follow these steps to properly install your Fosmon Smart Bike Alarm Headlight and Tail Light Set:

1. **Headlight Installation:** Securely attach the headlight to your bike's handlebar using the provided mount. Ensure it is positioned to illuminate the path ahead effectively.
2. **Tail Light Installation:** Mount the tail light to your bike's seatpost. Ensure it is visible from the rear.
3. **Remote Control Installation:** Attach the wireless remote control to your handlebar in an easily accessible position for safe operation while riding.
4. **Initial Charge:** Before first use, fully charge both the headlight and tail light using the provided USB-C cable.

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Video 3.1: This video demonstrates the installation process for a bike light system, including mounting the tail light and remote control.  
(Source: Wsdcam)

### 4. OPERATING INSTRUCTIONS

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Familiarize yourself with the remote control and light functions for optimal use:

- **Power On/Off:** Press and hold the main power button on each light unit to turn them on or off.
- **Changing Lighting Modes:** Use the dedicated button on the remote control to cycle through the 6 tail light modes.
- **Turn Signals:** Press the left or right arrow buttons on the remote to activate the corresponding turn signal. Press again to deactivate.
- **Bike Horn:** Press the horn button on the remote to sound the bike horn. Press and hold for 5 seconds to change the horn sound.
- **Anti-Theft Alarm:** Press the arm button on the remote to activate the anti-theft alarm. The alarm will sound if movement is detected. Press the disarm button to deactivate. The alarm has 7 levels of sensitivity.
- **Auto Brake Light:** The tail light automatically illuminates brighter when braking is detected (available in the first 5 lighting modes).
- **Auto On/Off:** In dark environments, the lights will automatically turn off after 30 seconds of inactivity and turn on when motion is detected. In bright environments, the lights will automatically turn off after 30 seconds of inactivity to save power.

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Video 4.1: This video demonstrates the features of the Fosmon Anti-Theft Bike Alarm with Remote, including horn sounds, alarm arming/disarming, and light modes. (Source: SF Planet)

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Video 4.2: This video showcases the turn signals and alarm functions of a bicycle light system. (Source: Guangzhou Maimiao Trading Co., Ltd.)

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your bike alarm and light set, follow these maintenance guidelines:

- **Cleaning:** Wipe the units with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the casing or electronics.
- **Charging:** Regularly charge the devices, especially if they will be stored for an extended period, to maintain battery health.
- **Storage:** Store the units in a cool, dry place when not in use.
- **Inspection:** Periodically check all mounting brackets and screws to ensure they are secure.

## 6. TROUBLESHOOTING

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If you encounter any issues with your Fosmon Smart Bike Alarm and Light Set, refer to the following common troubleshooting tips:

- **Lights not turning on:** Ensure the units are fully charged. Check that the power button is pressed correctly.
- **Remote not responding:** Verify the remote's battery (CR2032) is functional and correctly inserted. Ensure the remote is within the operating range (up to 98 feet indoors, 196 feet in open air).
- **Alarm not activating:** Check the alarm's sensitivity settings. Ensure the alarm is armed.

- **Auto On/Off not working:** Confirm that the ambient light and motion sensors are not obstructed. Ensure the device is in an environment suitable for auto-detection (dark for auto-on, bright for auto-off).

## 7. SPECIFICATIONS

Feature	Specification
Product Dimensions	12.45 x 5.84 x 3.3 cm
Item Weight	370 g
Batteries	1 Lithium Metal battery required (included)
Tail Light Battery Capacity	1500mAh (built-in)
Power Source	Battery Powered (USB-C Rechargeable)
Light Output Maximum	160 Lumens
Number of Settings (Tail Light)	6
Water Resistance Level	IP65 Waterproof
Alarm Volume	110dB
Mounting Type	Frame Mount, Handlebar Mount, Seatpost Mount
Material	Plastic
Color	Red, White
UPC	879565006372

## 8. WARRANTY AND SUPPORT

Fosmon products come with a limited lifetime warranty. For any questions or support, please contact our dedicated USA-based customer support team, available 24 hours a day, 7 days a week. Refer to Fosmon's official website for more detailed warranty information and contact options.