

## MEILAN X5

# MEILAN X5 Smart Bike Tail Light Instruction Manual

Model: X5

### 1. PRODUCT OVERVIEW

The MEILAN X5 Smart Bike Tail Light is designed to enhance cycling safety with its advanced features. It provides high visibility, wireless remote control for turn signals, ground warning lines, and automatic brake detection.

- **Ultra Bright Bike Lights:** Features 30 ultra-efficient LED lamp beads providing up to 85 Lumen brightness for excellent visibility.
- **Wireless Remote Control:** Allows easy control of turn signals and light effects.
- **Ground Warning Line:** Emits two parallel laser lines to create a virtual cycling lane for improved safety.
- **Automatic Brake Detection:** Automatically switches to fast flashing mode with high brightness upon braking to alert other vehicles.



Figure 1: MEILAN X5 Smart Bike Tail Light and its wireless remote control.

## 2. SETUP AND INSTALLATION

### 2.1 Tail Light Installation

The MEILAN X5 tail light offers two primary installation methods: on the seat post or under the saddle.

#### Method 1: Installing on Seat Post

1. Choose the appropriate silicone pad thickness based on your seat post diameter. Insert the pad into the seat post bracket and clamp it onto the seat post.
2. Use a Phillips screwdriver to secure the fixing bracket firmly.
3. Gently press the fixing plate and clamp it into the tail light.
4. Adjust the tail light angle up and down as needed for optimal visibility.

# Ground Warning Line



Figure 2: Tail light mounted on the seat post.

## Method 2: Installing under Saddle

1. Insert the tail light into the fixing bracket and install the two screws on the fixing bracket.
2. Place the tail light and fixing bracket under the seat cushion and clamp into the saddle rail.
3. Place another piece of fixed plastic under it.
4. Secure the support using a Phillips screwdriver.





Figure 3: Tail light mounted under the saddle.

## 2.2 Remote Control Installation

Install the wireless remote control on your bike's handlebars for easy access.

1. Insert the rubber ring into one end of the remote control card slot.
2. Put the remote control on the handlebars.
3. Pull the rubber ring to the slot on the other side of the remote control.

Video 1: Detailed installation guide for the MEILAN X5 Tail Light and remote control.

## 3. OPERATING INSTRUCTIONS

### 3.1 Power On/Off and Light Modes

To turn on the tail light, long press the power button on the device. Once on, use the wireless remote control to switch between various lighting modes:

- **Fast Flashing:** Rapid blinking for high attention.
- **Scroll Flashing:** Lights scroll across the tail light.
- **Steady:** Constant illumination.
- **Turn Right:** Right side of the light flashes to indicate a right turn.
- **Turn Left:** Left side of the light flashes to indicate a left turn.



Figure 4: Remote control and visual representation of different light modes.

### 3.2 Ground Warning Line

The tail light can project two parallel laser lines onto the ground, creating a virtual safety lane around your bicycle. This feature helps to increase your visibility and define your space on the road, especially in low-light conditions.



# Automatic Brake Light



Figure 5: Ground warning lines projected by the tail light.

## 3.3 Automatic Brake Detection

The MEILAN X5 features an intelligent brake sensing function. When you apply the brakes, the tail light will automatically switch to a fast flashing mode with increased brightness for 13 seconds to alert vehicles and pedestrians behind you. After 13 seconds, it reverts to the previously selected light mode.



Figure 6: Automatic brake light activation during braking.

### 3.4 Ambient Light Detection

The tail light includes an ambient light detection function. If the tail light is turned on during the day, it will automatically turn off after 30 seconds. In standby mode, it will automatically light up when it detects a dark environment.



Figure 7: Ambient light detection functionality.

## 4. MAINTENANCE

### 4.1 Charging the Tail Light

The MEILAN X5 is USB rechargeable. To check the charging status:

- **When charging:** The tail light will show a breathing (pulsating) light effect.
- **Fully charged:** The tail light will remain constantly on.

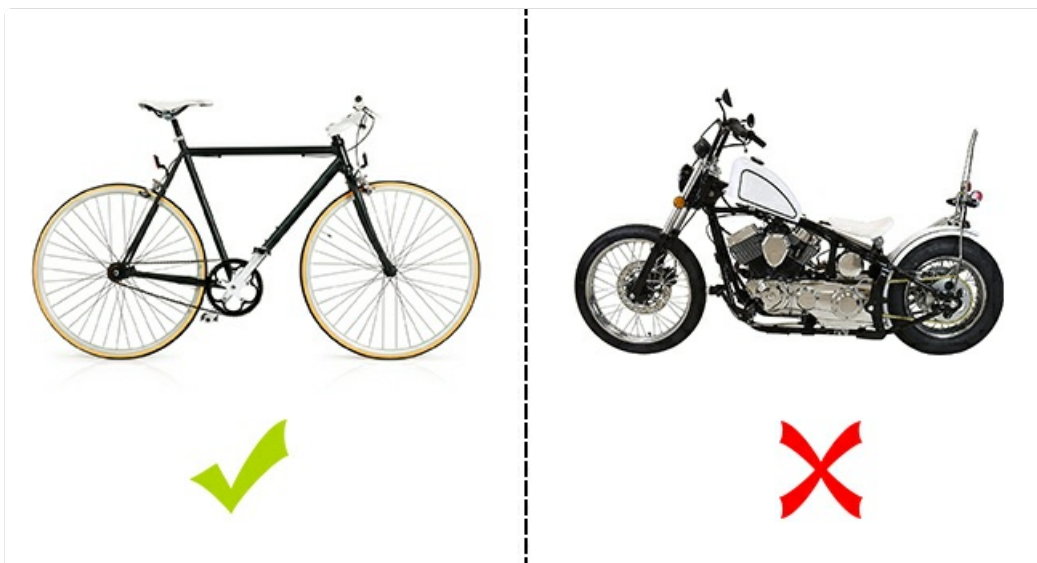


Figure 8: USB charging port and charging indicator.

### 4.2 Water Resistance

The MEILAN X5 Smart Bike Tail Light has an International Protection Rating of IPX5, meaning it is protected against low-pressure water jets from any direction. This makes it suitable for use in various weather conditions, including rain.





Figure 9: The tail light is designed to be water-resistant.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your MEILAN X5 Smart Bike Tail Light.

### 5.1 Light only lasted 10 seconds then stopped working?

- Please fully charge the tail light and try it again in the dark, or cover the light sensor window with your hand.
- The tail light has an Ambient Light Detection function. The light will not stay on during the day and will turn off automatically after 10 seconds. If you don't need this function, please cover the sensor window with a black tape.



Figure 10: Location of the ambient light sensor window.

## 5.2 Remote control seems unable to control the tail light or turn it on?

- Please ensure the tail light has been turned on by pressing the button on the bike tail light.
- The most suitable control distance between the tail light and remote is no more than 16.4 ft (5 meters).
- Please replace the battery in the remote if there is no red indicator when you click a button on the remote.

## 5.3 Why can't it turn off?

- When the tail light's Ambient Light Detection function is turned on (during the day), the tail light cannot be turned off automatically.
- If you need to turn off the tail light, you need to shield the light sensor window, then press and hold the power button on the tail light again to turn it off, or use the remote control to turn off the tail light.

Video 2: Common problems and solutions for the X5 Tail Light.

## 6. SPECIFICATIONS

Feature	Detail
Brand	MEILAN
Model Number	X5
Color	Black
Material	Acrylonitrile Butadiene Styrene
Power Source	USB Rechargeable Battery
Water Resistance Level	Waterproof (IPX5)
Item Weight	0.26 Pounds
Mounting Type	On the Seat Post / Under the Seat Cushion
Brightness	85 Lumens
Included Components	Bike Taillight, Wireless Remote Control, Mounting Bracket

## 7. WARRANTY AND SUPPORT

MEILAN offers a one-year warranty on all products sold. For any questions or suggestions regarding this tail light or our service, please contact us directly.

An official Instructions for Use (IFU) PDF document is also available for download: [Download IFU \(PDF\)](#)

### Related Documents - X5

	<p><a href="#">MEILAN M3 Mini GPS Bike Computer Instruction Manual</a></p> <p>This document provides comprehensive instructions for the MEILAN M3 Mini GPS Bike Computer, covering its features, setup, operation, specifications, safety guidelines, and warranty information.</p>
	<p><a href="#">MEILAN M3 GPS Bike Computer User Guide and FAQ</a></p> <p>A comprehensive guide and frequently asked questions for the MEILAN M3 GPS Bike Computer, covering setup, features, and troubleshooting.</p>
	<p><a href="#">MEILAN M3 Wireless Bike Computer Instruction Manual</a></p> <p>This manual provides comprehensive instructions for the MEILAN M3 Wireless Bike Computer, covering setup, operation, GPS functionality, battery management, specifications, and safety guidelines for cyclists.</p>
	<p><a href="#">MEILAN M3 Mini GPS Bike Computer Setup Guide</a></p> <p>A concise guide to setting up the MEILAN M3 Mini GPS Bike Computer, covering power on, setting mode, time zone, units, and initial odometer input.</p>
	<p><a href="#">MEILAN X5 Bike Taillight - User Guide and FAQ</a></p> <p>Find answers to common questions about the MEILAN X5 Bike Taillight, including troubleshooting for power issues, remote control problems, and battery life.</p>
	<p><a href="#">Meilan M1 GPS Cycling Computer User Manual</a></p> <p>Comprehensive user manual for the Meilan M1 GPS cycling computer, covering setup, features, functions, training management, connectivity with apps like Komoot, device parameters, and warranty information.</p>



