

Onvian KS-WL10C

ONVIAN Smart Bike Light with Turn Signals, Horn, and Alarm

Model: KS-WL10C

INTRODUCTION

The ONVIAN Smart Bike Light is a multi-functional device designed to enhance cycling safety and security. It integrates a rear light with turn signals, a horn, a brake light, and an anti-theft alarm system. This manual provides detailed instructions for the proper installation, operation, and maintenance of your device.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- Bike Alarm Tail Light
- Wireless Remote Control
- USB Charging Cable
- Mounting Bracket and Accessories
- User Manual (this document)

PRODUCT FEATURES



The ONVIAN Smart Bike Light offers several key features:

- **5-in-1 Functionality:** Combines turn signals, warning light, brake light, electric bell, and anti-theft alarm.
- **Ultra-Bright Taillight:** 31 COB LEDs provide 160 lumens with a 200-degree wide-angle for enhanced visibility.
- **Multiple Lighting Modes:** Six modes available: Slow Flashing, Breathing, Fast Blinking, Steady Light, Emergency Light, and OFF.
- **Directional Turn Signals:** Wireless remote control activates left/right turn signals.
- **Integrated Electric Bell:** Features three distinct sounds: Electric Car Sound, Horn Sound, and Birdcall Sound.

- **110 dB Anti-theft Alarm:** Deters theft with a loud alarm sound and adjustable sensitivity (1-7 levels).
- **IP54 Waterproof Rating:** Ensures reliable operation in various weather conditions.
- **USB-C Rechargeable:** Built-in 2000mAh battery provides up to 70 hours of use on a 7-hour full charge.
- **Smart Brake Sensing:** Automatically highlights the brake light for 2 seconds upon braking (except in Emergency Light Mode).
- **Intelligent Auto On/Off:** In "Slowing Flashing" and "Breathing" modes, the light adjusts based on ambient brightness and vibration.



Brand : Onvian

- Multi-function turn signal light
- Brake sensor light
- Bike alarm function

Others'

Only taillight function or just taillight alarm function.

VS

	Slow Flashing/ Breathing/Blinking	Six Light Modes	One Light Mode	
	Left/Right Signals Light	Signal Light	×	
	Anti-Theft Alarm	Anti-Theft	×	
	Remote Control	Control Method	Manual Control	
	Electric Bell	Bike Horn	×	

Image: Overview of the ONVIAN Smart Bike Light's multi-functional capabilities, including turn signals, brake sensor, alarm, remote control, and electric bell, compared to basic taillights.

SETUP AND INSTALLATION

1. Charging the Device

Before first use, fully charge the bike light. Connect the provided USB charging cable to the USB-C port on the light and to a standard USB charger (5V/1A recommended). A full charge takes approximately 7 hours and provides up to 70 hours of operation depending on the mode used.

Important: Use only the original USB cable for charging. The device does not support fast charging. Using a fast-charging cable or adapter may damage the battery.



Image: Illustration of the bike light's 2000mAh battery capacity and USB-C charging method, showing connection to a wall adapter.

2. Mounting the Tail Light

The tail light is designed for seatpost mounting. Use the provided bracket and accessories to securely attach the light to your bicycle's seatpost. Ensure the light is facing directly backward and is not obstructed. The mounting bracket includes spare rubber collars to accommodate various seatpost diameters. Adjust as necessary for a snug fit.



Image: The ONVIAN Smart Bike Light mounted on a bicycle seatpost, demonstrating its rear position and visibility.

3. Attaching the Wireless Remote Control

Attach the wireless remote control to your bicycle's handlebar. The clamp is designed to fit handlebars with a diameter between 0.78-0.94 inches (20-24mm). Position it within easy reach for safe operation while riding.

Wireless Control and Multi-function

Press right/left turn signal before turning or making a lane change
right/left turn signal turns on clicking sound.



Wireless
Range

30-60m

Image: The wireless remote control mounted on a bicycle handlebar, illustrating its accessible placement for controlling the bike light's functions.

OPERATING INSTRUCTIONS

1. Power On/Off

Press the main power button on the tail light unit to turn it on or off. The light will typically start in the last used mode.

2. Changing Light Modes

Use the remote control to cycle through the six available lighting modes:

- Slow Flashing
- Breathing
- Fast Blinking
- Steady Light
- Emergency Light
- OFF



Image: Visual representation of the six distinct light modes, including red taillight options and yellow emergency/off states.

3. Using Turn Signals

Press the left or right arrow button on the wireless remote control to activate the corresponding turn signal. The signal will flash to indicate your turning intention to other road users. Press the button again to deactivate.

4. Activating the Electric Bell (Horn)

The remote control includes a button to activate the electric bell. There are three distinct horn sounds: Electric Car Sound, Horn Sound, and Birdcall Sound. Cycle through these sounds by pressing the horn button repeatedly.

Caution: Avoid using the horn in enclosed spaces as its 110dB volume can be very loud.

5. Anti-theft Alarm Function

To arm the anti-theft alarm, press the alarm button on the remote control. The light will beep to confirm the alarm is set. Any significant vibration or movement of the bike will trigger a loud 110dB alarm sound to deter potential thieves. To disarm, press the disarm button on the remote.

Anti-theft Bike Alarm

Protect your bike from being stolen by 110 DB loud alarm sound (1-7 vibration sensitivity level adjustable)



Image: The anti-theft bike alarm in action, illustrating its 110dB sound to deter theft.

6. Smart Brake Sensing

The tail light features a smart brake sensor. When you brake or slow down, the light will automatically illuminate brighter for 2 seconds to alert vehicles and pedestrians behind you. This feature is active in all modes except "Emergency Light Mode."



Intelligent Induction Brake

Brake light will be highlighted immediately when you brake or slow down.

Image: A cyclist demonstrating the intelligent induction brake feature, where the light brightens upon braking.

7. Intelligent Auto On/Off

In "Slowing Flashing" and "Breathing" modes, the light operates intelligently:

- It will light up for 30 seconds upon activation.
- It detects ambient brightness, automatically turning off in bright conditions and on in dark conditions.
- If stationary for more than 30 seconds in a dark environment, it will turn off to conserve power and reactivate upon detecting vibration.

MAINTENANCE

1. Charging

Recharge the device when the battery indicator shows low power. Always use the provided USB-C cable and a standard 5V/1A charger. Avoid fast chargers.

2. Cleaning

Wipe the light and remote control with a soft, damp cloth. Do not use abrasive cleaners or solvents.

3. Water Resistance

The device has an IP54 waterproof rating, meaning it is protected against dust and splashing water from any direction. While it can withstand rain, avoid submerging it in water or exposing it to heavy, prolonged downpours to prevent potential damage.



Image: The durable PC + UV resistant material of the bike light, highlighting its resilience against various weather conditions like rain, snow, and sun.

4. Remote Control Battery Replacement

The remote control is equipped with a replaceable CR2032 coin cell battery. When the remote's range decreases or it stops responding, replace the battery. Refer to the remote control's specific instructions for battery access.

TROUBLESHOOTING

1. Alarm is too sensitive or not sensitive enough

The alarm's vibration sensitivity can be adjusted (levels 1-7).

1. Ensure the tail light is in **DISARM** mode.
2. Press and hold the light mode button (lower light button) on the remote until the remote indicator light turns off and then lights up again, and the alarm taillight emits a beep.

3. Press the **[left/right]** button on the remote to select the desired vibration sensitivity level (1-7).
4. Press the light mode button (lower light button) again to exit the setting mode.

2. Light not charging or holding charge

- Ensure you are using the original USB-C cable.
- Verify that your charger is a standard 5V/1A adapter and not a fast charger.
- Check the charging port for any debris or damage.

3. Remote control not responding

- Check and replace the CR2032 coin cell battery in the remote control.
- Ensure the remote is within the effective wireless range (up to 60m).

SPECIFICATIONS

Feature	Specification
Brand	Onvian
Model Number	KS-WL10C
Material	Plastic (PC + UV Resistant)
Power Source	Electric (USB-C Rechargeable)
Battery Capacity	2000mAh
Charging Time	Approx. 7 hours
Operating Time	Up to 70 hours (depending on mode)
Light Output (Max)	160 Lumens
Number of Light Settings	6
Alarm Volume	110 dB
Water Resistance Rating	IP54
Remote Control Wireless Range	Up to 60m
Item Weight	0.26 Kilograms
Product Dimensions (L x W x H)	12.5L x 9.7W x 3.3H Centimeters

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact Onvian customer service through their official channels. Specific warranty terms may vary by region and retailer.

