

NineLeaf KS-SF31

NineLeaf KS-SF31 Bike Alarm Taillight User Manual

Model: KS-SF31 | Brand: NineLeaf

1. PRODUCT OVERVIEW

The NineLeaf KS-SF31 is a versatile 5-in-1 bicycle taillight system designed to enhance cycling safety and security. It integrates a warning light, brake light, turn signals, electric bell, and an anti-theft vibration alarm into a single unit.



Image 1.1: Overview of the NineLeaf KS-SF31 Taillight features, including warning light, brake light, turn signal, electric bell, and anti-theft alarm, shown mounted on a bicycle.

Package Contents

What's in the box?



Image 1.2: The package includes the Smart Bike Alarm Taillight, Remote Control, mounting brackets, silicone rings, USB-C charging cable, and installation screws.

Please ensure all components are present before proceeding with installation.

2. COMPONENTS IDENTIFICATION



Image 2.1: Detailed view of the remote control and the Smart Bike Alarm Taillight with key components labeled for easy identification.

Remote Control

- **Arm/Disarm Button:** Activates or deactivates the anti-theft alarm.
- **Light Mode Button:** Cycles through different lighting modes.
- **Electric Bell Button:** Activates the bicycle horn.
- **Left Turn Light Button:** Activates the left turn signal.
- **Right Turn Light Button:** Activates the right turn signal.

Smart Bike Alarm Taillight

1. Light mode button/pair button
2. Red taillight
3. Yellow left/right turn signal
4. Taillight bracket
5. Hold lock part
6. Alarm loudspeaker
7. USB-C 5V charge port

3. SETUP AND INSTALLATION

Installing the Bike Alarm Taillight

1. Place a silicone ring on the desired location of your bicycle's seat post.
2. Insert the taillight bracket into the silicone ring, ensuring the contours align. Secure it firmly with the provided screw.
3. Slide the bike alarm taillight into the taillight bracket until it locks into place.

Installing the Remote Control

1. Place a silicone ring on the desired location of your bicycle's handlebar.
2. Position the remote bracket around the silicone ring, aligning the contours. Secure it firmly with the provided screw.
3. Press down and turn the remote control counter-clockwise onto the bracket until it locks into place.

4. OPERATING INSTRUCTIONS

4.1. Lighting Modes

The taillight offers 6 distinct lighting modes, selectable via the remote control's Light Mode button.



Image 4.1: Visual representation of the six available lighting modes for the taillight, including various flashing and steady options.

- **Slow Flashing:** Gentle, slow red flashes.
- **Breathing:** Light fades in and out smoothly.
- **Blinking:** Regular, rapid red flashes.
- **Steady Light:** Constant red illumination.
- **Emergency Light:** Yellow flashing for high visibility.
- **OFF:** Turns the taillight off.

4.2. Brake Light and Turn Signals

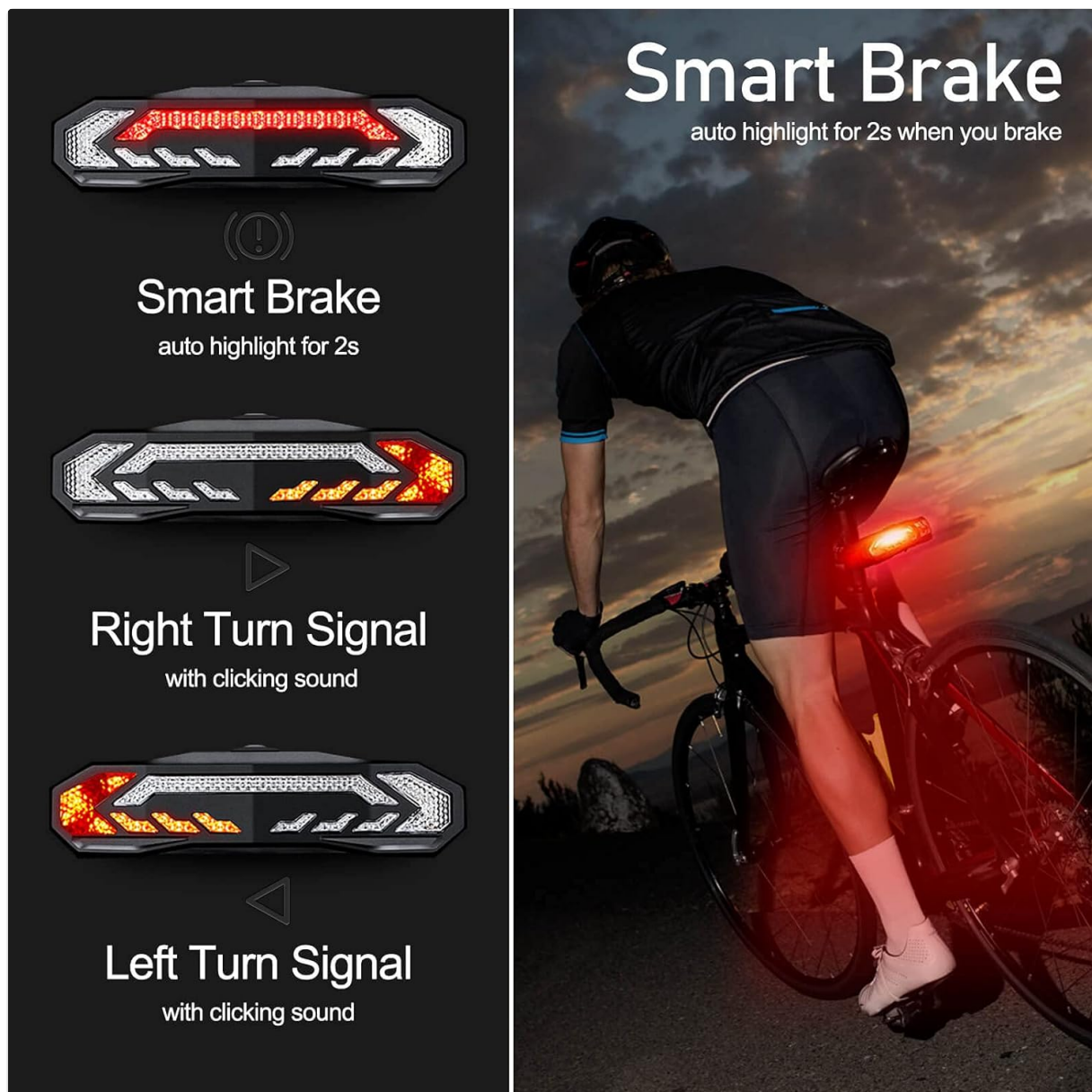
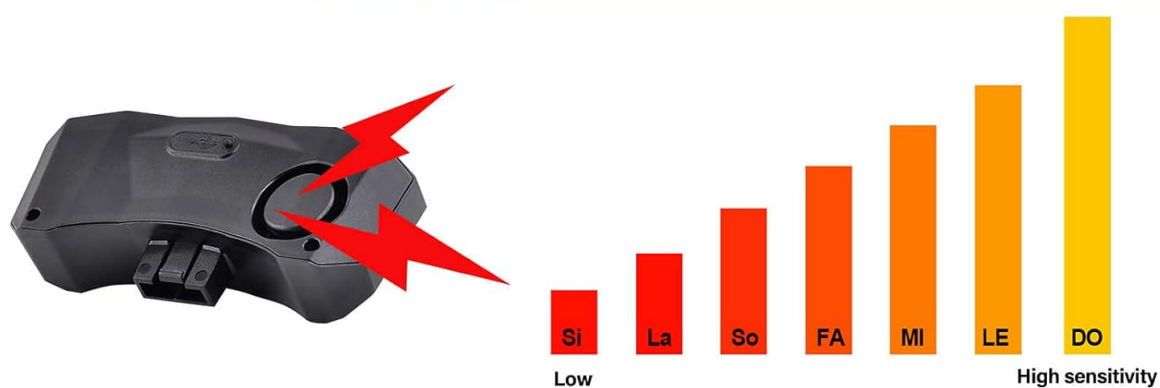


Image 4.2: Demonstration of the automatic brake light activation and the visual indication of left and right turn signals.

- **Brake Light:** When you brake or slow down, the taillight will automatically highlight for 2 seconds to alert following traffic.
- **Turn Signals:** Press the right or left turn signal button on the remote before turning or changing lanes. The corresponding signal light will activate with an audible clicking sound. Remember to turn off the signal after completing your maneuver.

4.3. Anti-Theft Alarm and Electric Bell



7 Levels adjustable sensitivity

Image 4.3: Visual explanation of the anti-theft alarm system, highlighting its 110dB sound and adjustable sensitivity levels.

- **Anti-Theft Alarm:** Activate the alarm using the Arm/Disarm button on the remote. If the bicycle detects vibration, a loud 110dB alarm will sound to deter theft. The alarm has 7 adjustable sensitivity levels, from gentle touch to significant impact.
- **Electric Bell (Horn):** Press the Electric Bell button on the remote to activate a 110dB horn sound from the taillight. This can be used to alert pedestrians or other cyclists. Three different horn sounds are available.
- **Search Function:** The electric bell can also assist in locating your parked bicycle by activating the horn sound.

4.4. Smart Auto On/Off and Warning Light



Image 4.4: Illustration of the loud bike horn in use and the automatic warning light feature activating in low-light conditions like a tunnel.

- **Smart Auto On/Off:** In intelligent modes (Slow Flashing/Breathing), the taillight automatically turns on or off based on ambient brightness and motion. If you stop for more than 30 seconds in a dark environment, it will turn off to conserve power. It will automatically reactivate when motion is detected.
- **Automatic Warning Light:** The warning light will automatically illuminate when passing through tunnels or during night rides, enhancing visibility.

5. MAINTENANCE

Charging the Taillight

The taillight features a built-in 3.7V 2000mAh rechargeable battery. Use the provided USB-C 5V charging cable to charge the device. A full charge can provide up to 70 hours of operation in blinking light mode. A battery indicator is present during charging and when switching the taillight on/off.

Remote Control Battery Replacement

The remote control is powered by a replaceable CR2032 coin cell battery, which can last 3-5 years with typical use (30 activations per day). When the remote's performance diminishes, replace the CR2032

battery.

Water Resistance

The device has an IP64 waterproof rating, making it suitable for use in small to moderate rain. Avoid submerging the device in water.

Cleaning

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

6. TROUBLESHOOTING

- **Taillight not turning on:** Ensure the battery is charged. Connect to a USB-C power source and check the battery indicator.
- **Remote control not responding:** Check the CR2032 battery in the remote and replace if necessary. Ensure the remote is within the wireless range (30-60m) of the taillight.
- **Alarm not activating:** Ensure the alarm is armed. Check the sensitivity settings; adjust to a higher level if needed.
- **Turn signals not working:** Verify the remote control battery. Ensure the taillight is powered on.
- **Short battery life:** Ensure the taillight is fully charged. Operating in steady light mode or frequent alarm activations will consume more power.







7. SPECIFICATIONS

Model Name	KS-SF31
Part Number	NLD-AMA01-SF31-4PK
Brand	NineLeaf
Material	Polycarbonate
Color	Black
Power Source	Battery Powered
Taillight Battery	3.7V 2000mAh (Rechargeable)
Taillight Charging Port	Standard USB-C 5V
Remote Control Battery	CR2032 (Replaceable)
Wireless Range	30-60m
Alarm Loudness	Up to 110dB
Number of Light Modes	6
Water Resistance Rating	IP64
Mounting Type	On bike seat post / under bike saddle
Operating Temperature	-40°C to +60°C (-40°F to 140°F)

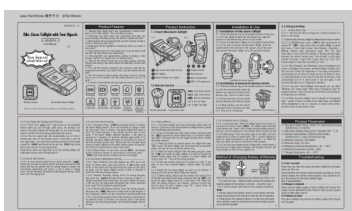
8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact NineLeaf customer service. Keep your purchase receipt for warranty claims. For further assistance, you may visit the official NineLeaf store: [NineLeaf Store on Amazon](#).

Related Documents - KS-SF31

	NineLeaf KS-SF31 Bike Alarm Taillight with Turn Signals - User Manual Comprehensive user manual for the NineLeaf KS-SF31 Bike Alarm Taillight, detailing features, installation, operation, settings, pairing, battery replacement, product parameters, and troubleshooting for this 5-in-1 cycling safety device.
	NineLeaf Smart Bike Alarm Taillight with Turn Signals - User Manual User manual for the NineLeaf Smart Bike Alarm Taillight with Turn Signals (KS-SF31). This guide covers product features, installation, usage, settings, troubleshooting, and product parameters for this rechargeable, waterproof bicycle safety light.
	NineLeaf Anti-theft Bike Tail Light Alarm KS-SF33RD User Manual User manual for the NineLeaf KS-SF33RD Anti-theft Bike Tail Light Alarm. This guide covers installation, functions, features, product parameters, and troubleshooting for the USB-C rechargeable, 110dB vibration alarm system.
	NineLeaf KS-SF31 Bike Alarm Taillight with Turn Signals - User Manual Comprehensive user manual for the NineLeaf KS-SF31 Bike Alarm Taillight, detailing features, installation, operation, settings, pairing, battery replacement, product parameters, and troubleshooting for this 5-in-1 cycling safety device.
	NineLeaf Smart Bike Alarm Taillight with Turn Signals - User Manual User manual for the NineLeaf Smart Bike Alarm Taillight with Turn Signals (KS-SF31). This guide covers product features, installation, usage, settings, troubleshooting, and product parameters for this rechargeable, waterproof bicycle safety light.
	Bike Alarm Taillight with Turn Signals User Manual - GKS-SF31 User manual for the GKS-SF31 Bike Alarm Taillight with Turn Signals, detailing features, installation, usage, settings, troubleshooting, and product specifications.

Documents - NineLeaf – KS-SF31



[NineLeaf KS-SF31 Bike Alarm Taillight with Turn Signals - User Manual](#)

Comprehensive user manual for the NineLeaf KS-SF31 Bike Alarm Taillight, detailing features, installation, operation, settings, pairing, battery replacement, product parameters, and troubleshooting for this 5-in-1 cycling safety device.

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