51120HOM UM
Size: 4.7in x 3.4in

![Fosmon logo]

51120HOMFA
Fosmon 5 in 1 Bike Tail Light with Remote – Black

STOP

PLEASE DO NOT RETURN THIS PRODUCT

There are good days and bad days. If there is a problem with your product or you are unhappy with it, **PLEASE GIVE US A CHANCE TO MAKE IT RIGHT.**

Email: support@fosmon.com
US Toll Free: 1-833-3-FOSMON
(833-336-7666)
Local/International: (612) 435-7508

Thank you for purchasing this Fosmon product. For optimum performance and safety, please read this user manual carefully before operating and keep it for future reference.

Fosmon's 5 in 1 bike tail light alarm with remote control is a great device to keep your bicycle secure. The tail light makes you visible and safe on the road.
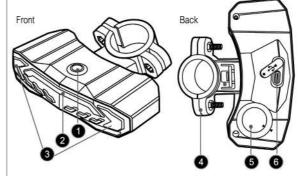
Package Includes

1x Bike Tail Light
1x Remote Control
1x Mounting Bracket for Bike Tail Light
1x Mounting Bracket for Remote Control
1x Silicone Rings
2x Silicone Pads
4x Nuts and Bolts
1x Allen Key
1x Charging Cable
1x User Manual

Specifications

Max Light Output	160 Lumens
Number of LEDs	31
Anti-Theft Vibration Alarm	7 Adjustable Sensitivity
Electric Bell Bike Horn	3 Ring Tones
Bike Alarm / Horn	110 dB
Tail Light Charging Port	USB-C 5V
Tail Light Battery	1500mAh 3.7V Lithium
Full Charging Time	Around 7 hours
Tail Light Run Time	Up to 70 Hours (in Flashing Mode)
Tail Light Run Time	Up to 30 Hours (in Steady Mode)
Tail Light Standby Time	4 - 8 months
Remote Control Battery	CR2032
Remote Control Standby Time	3 – 5 years (30 times per day)
Remote Working Frequency	433.92 MHz
Remote Wireless Range	98 – 196 ft / 30 – 60 m
Tail Light Mounting Bracket Diameter	1.06 – 1.57 inch / 27 – 40 mm
Remote Mounting Bracket Diameter	0.91 – 1.34 inch / 23 – 34 mm
Waterproof Level	IP65
Working Temperature	-40℃ ~ 70℃
Working Humidity	< 80%
Storage Temperature	-40℃ ~ 70℃

Product Diagram

Front — Back

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

Indicator light

[🔦]: Headlight button (reserved)
[🔔]: Electric bell button
[◁]: Left turn light
[▷]: Right turn light
[👤]: Taillight button
[🔒]: Arm/disarm button

Remote control bracket — Front of remote control

Installation

Note: The mounting bracket of this product is applicable to the base tube with a diameter of 27-40mm, and 5-10cm high mounting space needs to be reserved under the cushion! (As shown in the figure below)

Reserve 5-10cm
Diameter 27-40mm

Installation of Bike Tail Light:
1. Place the silicone ring on the suitable location of seat post
2. Put the tail light bracket onto the silicone ring, and then fix it with nuts and bolts.
3. Insert the tail light into the bracket.
Note: To prevent theft, it is difficult to remove tail light after installation. If you really need to remove it, please remove the two bolts of the mounting bracket.

Align the nut with the slot, snap into place — Install Alarm

Install/Remove Remote
1. Attach the two silicone pads to the remote bracket.
2. Place the remote bracket on a suitable location of a handle bar, and then fix it with nuts and bolts.
3. Press down and turn the remote counterclockwise until it locks into place.
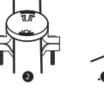4. When parking, turn the remote counterclockwise and take it off.

Align the nut with the slot, snap into place

Fix the bracket with screws

Install/Remove Remote

Install Counter Clockwise

Remove Clockwise

Operations

ATTENTION: Please charge to activate the tail light for the first time use!
For the installation and operation video, please visit https://www.youtube.com/@FosmonTech and search "51120HOMFA".

Tail Light Function
• In disarm mode, press [👤] button on the remote or [◎] button on the tail light to select light mode. It has 6 light modes: Slow Flashing -> Breathing -> Blinking -> Steady -> Emergency -> OFF.
• The "Slow Flashing" and "Breathing" are intelligent modes. Tail light will turn off in 30 seconds when the environment is bright, and turn on when it's dark. Tail light will turn off if the bike stops for more than 30 seconds, and turn on if the bike moves again.
• When the tail light is on (except Emergency mode), if there is a brake action, the tail light will be highlighted in red for 2 seconds, and then return to its light mode.
• When turning the light on/off, the number of flowing left/right lights indicates the current battery level. The left/right 4 grids indicate full power, 3 grids 70%, 2 grids 40%, and 1 grid 15%.

Turn Light Function
• Press the [◁/▷] left/right button on the remote control to turn on the left/right turn signal.
• The turn signal will automatically end in 2 minutes, or you can press the left/right button again to end it.

Electric Bell Function
• In disarm mode, press [🔔] bell button to ring the electric bell.
• It has 3 ringtones, electric car horn, horn, and birdcall. To set a new ringtone, press and hold [🔔] bell button for about 5 seconds until it emits a long current ringtone and a short new ringtone, indicating the new ringtone is set.

Electric Bell Volume Setting
1. In disarm mode, press and hold [👤] light button until the remote indicator goes out and lights up again, and the tail light sounds a beep, indicating it's in setting mode.
2. Press [🔔] bell button to select one of the 3 volume levels.
3. Pressing [👤] light button or no action for 10 seconds will end setting mode.

Alarm Function
• Press [🔒] arm/disarm button to arm or disarm. The tail light sounds "Do Re Mi" when armed, and sounds "Bi" when disarmed.
• In arm mode, if vibration is detected, the tail light will sound a warning in 2 seconds. If it detects vibration again within 2-12 seconds, the tail light will emit an alarm sound for 30 seconds.

Alarm Sensitivity Setting
1. In disarm mode, press and hold [👤] light button until the remote indicator goes out and lights up again, and the tail light sounds a beep, indicating it's in setting mode.
2. The number of turn signal lights indicates sensitivity. 7 lights is the highest sensitivity, and 1 light is the lowest sensitivity. Press [◁/▷] left/right button to change the sensitivity.
3. Pressing [👤] light button or no action for 10 seconds will end setting mode.

Pair Remote Control with Tail Light
• The remote and tail light are already paired out of the box.
• One tail light can be paired with up to 8 remotes.

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1. When the tail light is off and disarmed, press and hold [◎] pair button on the tail light for about 3 seconds. The tail light will make a "Bi" sound, indicating it's in pairing mode.
2. Press any button on the remote control. The tail light will make "BiBi" sound, indicating they are paired.
3. Repeat the above steps if you need to add more remotes or tail lights.
• The tail light exits pairing mode in 30 seconds or after paired.

Delete Remote Controls
When the tail light is off and disarmed, press and hold [◎] pair button on the tail light for about 7 seconds. It will make a short "Bi" sound at the 3rd second and then a long "Bi…" sound at the 7th second, indicating all paired remotes have been deleted.

Low Battery Alert and Charging Tail Light
Low battery alert: When the tail light battery is low, if you press [🔒] arm/disarm button, it will make a normal working sound, and then a low battery tone "tweet".
USB charging: Open the rubber cover, and charge the USB-C port with the included cable. The 4 grids on the right turn signal represents the battery level. When it's fully charged, the 4 grids stay on. The tail light stays functional while being charged.

Change Remote Battery
When the indicator light of the remote control becomes dim, flashes, or the distance becomes shorter, please replace the battery.
1. Twist off the remote control clockwise/counterclockwise, and remove it from the bracket.
2. Remove screws, and then remove the bottom cover.
3. Replace CR2032 battery (making sure the positive is face-up), and close the cover.

Troubleshooting
• *Cannot control*
1. Make sure you have fully charged the tail light for activation when using it for the first time.
2. Check whether the remote control indicator can light up. If no, replace the remote control battery. If yes, try to pair the remote and tail light again.
3. When the remote control is pressed, if the indicator light flashed quickly, the remote is locked. Unlock the remote control.
4. Pair the remote control and tail light.
• *Range is reduced*
1. Check battery power of the tail light and remote.
2. The signal might be disturbed by metal or radio close by. Move to a different place and try.
• *Volume is low*
1. The tail light might be on low battery. Fully charge the tail light.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Limited Lifetime Warranty
Visit fosmon.com/warranty for Product Registration, warranty and limited liability details.

Recycling the Product
To dispose this product properly, please follow the recycling process regulated in your area.