USER MANUAL

THANK YOU FOR PURCHASING MONIMOTO9W!

We will do our best to help you secure your property.
If you have any issues with your *MONIMOTO9W*, please contact our Support team via the app Help section or send a message to **support@monimoto.com**

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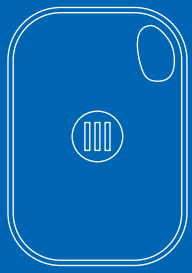
WHAT'S IN THE BOX:



1 X
MONIMOTO9W

1 X
KEY FOB

BEFORE YOU START

The device can be used with iOS 9.3 or Android 5.0 devices and all subsequent operating systems.

However your smartphone must also have Bluetooth 4.0+ (BLE) functionality, as the connection between your phone and *MONIMOTO9W* uses this technology.

In the pictures below you can see *MONIMOTO9W* packed with LTE, *2G,* GPS, Bluetooth and other smart technology inside. It also contains an eSIM card (chip soldered to the board) and a rechargeable Lithium battery inside.

Additionally *MONIMOTO9W* comes with a Key Fob which works on a proximity basis (using bluetooth) to prevent the tracker from alarming when you move your own *vehicle*. We recommend keeping it with the owner (not anywhere inside or on the bicycle) at all times. Why? If you keep it on your *vehicle* and it gets stolen - the alarm will not start since *MONIMOTO9W* will see the key fob nearby.

Most users would naturally keep the keyfob with such keys, but we must warn you that if your *vehicle are* stolen along with your keys and keyfob together, then the previously described situation will happen where the tracker is not able to alarm because it detects the nearby keyfob.

That is why we recommend keeping the Key Fob in a jacket, pants pocket, backpack or bag - somewhere on your person. With that said, if you do decide to keep the keyfob together with any bicycle keys, we highly recommend making sure you always have your keys with you before leaving your *vehicle* unattended

GETTING STARTED

STEP 1

Installing MONIMOTO9W device.

1

Remove MONIMOTO9W from the packaging

2

Select a safe location and hide MONIMOTO9W inside your vehicle(make sure that power supply wires will reach the battery!)

3

Connect the power supply wires to the bike/bicycle

4

The backup battery of MONIMOTO9W will start charging

GETTING STARTED

STEP 1

5

Wait till *LED's* indicates full battery

6

After *MONIMOTO9W* is fully charged, *proceed with the setup*

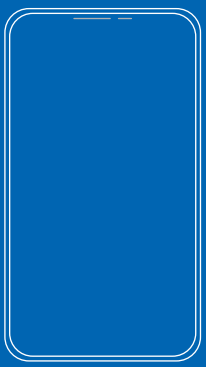
GETTING STARTED

STEP 2

Search “Monimoto” in App Store or Google Play Store:

App Store | Google Play

Download the Monimoto App and install it on your smartphone.
Minimum OS requirements are iOS 14 and Android 8



Run the Monimoto App and follow the on-screen step-by-step instructions that will guide you through the setup process. Android users, please make sure that both Bluetooth and location services are turned on.

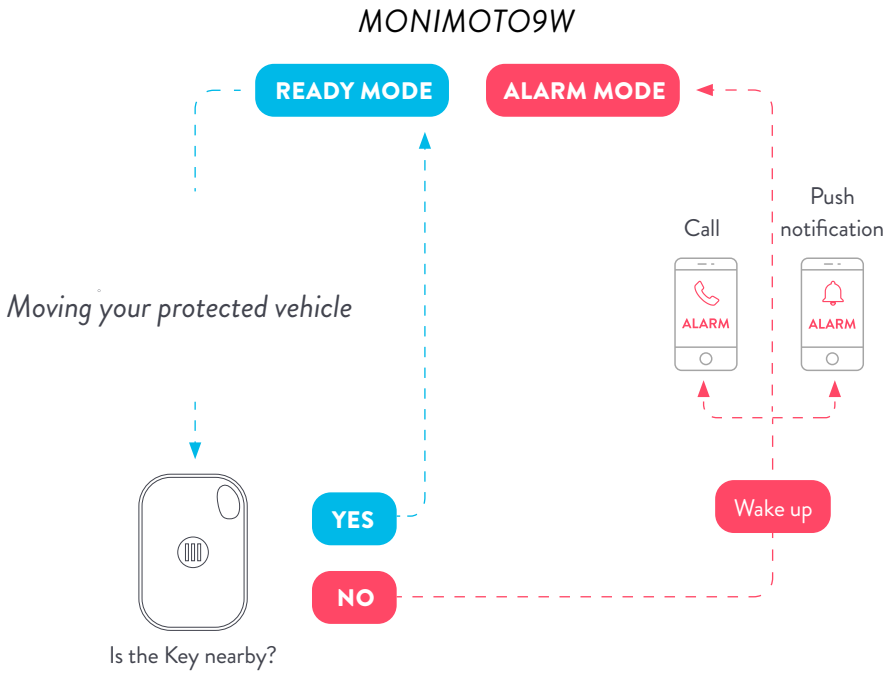
IMPORTANT:

All the pairings are done only through the app. Please do not try to pair your *MONIMOTO9W* device or the key fob directly through your Phone’s Bluetooth Settings, otherwise the App will be unable to pair.

Once the setup process has been completed you should receive an SMS from your device. Be sure to add that number to your contacts with an appropriate name so you recognize it immediately in case of alarm.

HOW MONIMOTO9W *WORKS*

MONIMOTO9W has 2 main modes - **Ready Mode** and **Alarm Mode.**



IMPORTANT:

The App uses internet connections as its primary way to communicate with the device so it's highly recommended to keep mobile data or Wi-Fi turned ON on your Phone at all times.

Please note *MONIMOTO9W* is not a 'real time' tracking device. It does not have a constant connection with the LTE network and is not constantly sending its location. *MONIMOTO9W* connects to the LTE network and sends locations only when Alarm mode is triggered. This helps to considerably save battery life.

READY (ARMED) MODE

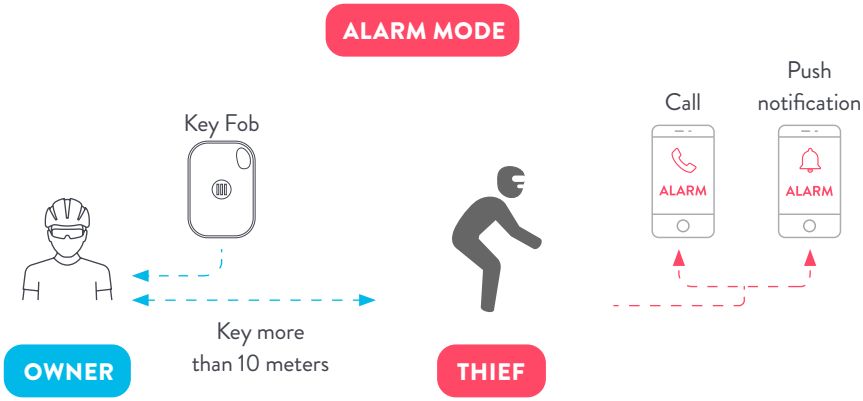
Once you go through the setup wizard and successfully configure your device – you should see a green "READY" sign. This means *MONIMOTO9W* is ready to detect any type of movement and notify you if the Key Fob is not around. You do not need to activate *MONIMOTO9W* in any other way.

Moving the vehicle

MONIMOTO9W **remains in Ready (Armed) mode if the owner has a Key Fob while** *moving the vehicle.*

ALARM MODE

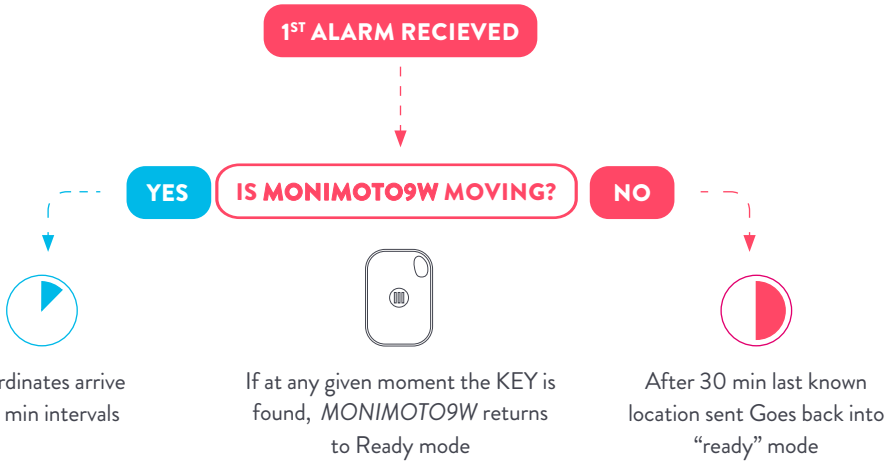
When *MONIMOTO9W* senses any type of motion, movement or vibration, the first thing it does is a Key Fob check. If the Key Fob is not found, the device will enter Alarm mode.

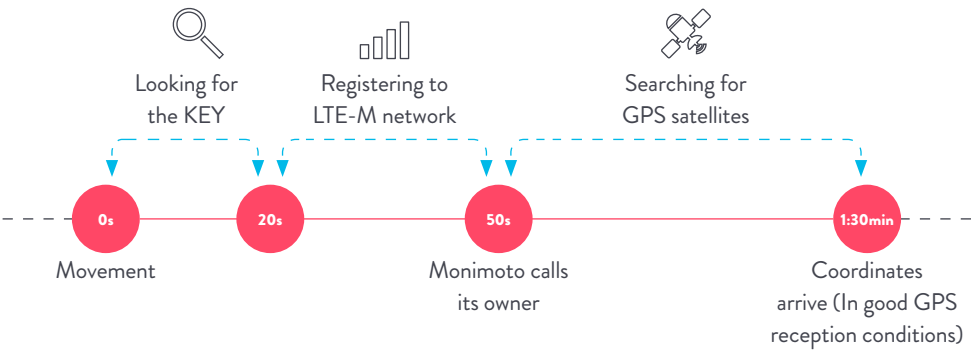


When in alarm mode *MONIMOTO9W* first calls the owner's number. It will call ONCE and after that you will start receiving push notifications to the *MONIMOTO9W* app. You will see a GPS location if precise location data is received or an approximate location from LTE network triangulation using Cell ID if GPS is not available.

By default you will get updates every 5-10 minutes (or every 2-3 minutes if Live Tracking is enabled) in Alarm mode while the movement continues. Once your *MONIMOTO9W*-equipped *vehicle* has stopped moving you will be updated with a last location after 30 minutes and Alarm mode will be canceled. If movement resumes, the alarm will start again.

THESE TWO TIMELINES ILLUSTRATE HOW **MONIMOTO9W** BEHAVES TIME-WISE:





EXITING ALARM MODE

There are **4** ways an alarm is canceled and returns *MONIMOTO9W* back to Ready (Armed) mode:

- **Exit Alarm with Key Fob.** Once the Key Fob is detected within the 10m (~30ft) range, *MONIMOTO9W* will automatically return to Ready mode.

- **Deactivate by app.** You can turn off Alarm mode by app only when your phone is within Bluetooth signal range (Maximum 50m / ~150ft in an open area without obstacles). If you open the app, go to Settings Tab and press "Connect" (establishing bluetooth connection)– it will return to Ready (Armed) mode and cancel Alarm mode.
- **If there is no motion for 30 minutes** *MONIMOTO9W* cancels the alarm.
- **Send to Sleep by App.** Sleep mode can only be activated immediately after an alarm is triggered, and only when the user manually chooses to sleep the device. You can put *MONIMOTO9W* to sleep for 1-24 hours using the app. This action will disarm *MONIMOTO9W* and **you will not be able to bring it back to Ready (Armed) mode until the selected sleep period ends.** When the sleep period ends it will return to Ready (Armed) mode automatically, no action is required. This can be useful if you've gone for a ride but forgot the Key Fob at home and want to stop receiving alerts and save battery life. Or if you gave your bike to a friend but forgot to give them the Key Fob.

PERIODIC CHECK

MONIMOTO9W regularly performs a battery check and updates status to your phone. If *MONIMOTO9W* encounters LTE network issues or batteries are drained and periodic checks cannot be performed you will be notified in the app.

The frequency of periodic checks can be set using the *MONIMOTO9W* app.

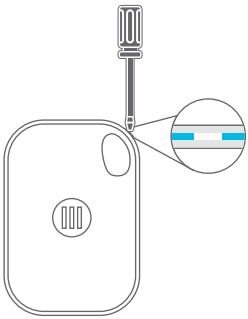
We recommend sticking to the default setting and receiving periodic updates everyday. This will assure you the device is working properly, and will notify you when the battery is empty. By Default periodic checks are not set to send a location. That can be adjusted from the Settings menu, however we do not encourage you to have locations sent with periodic checks since it drains battery significantly to send location updates.

TESTING AN ALARM ON MONIMOTO9W

1. Leave your Key Fob at home.
2. Switch off Bluetooth on your phone and close the Monimoto Application.
3. Take your *MONIMOTO9W*-equipped *vehicle* for a test *movement*.
4. In approx. 1 minute you should receive a call from *MONIMOTO9W* and soon after push notifications should arrive to the App.
5. Open the App and check whether it is showing the precise GPS or approximate LTE network based location.
6. If you received precise GPS locations – use one of the exit alarm mode methods in Section 5.3 to disarm the alarm. Congratulations, your *vehicle are* now safe!
7. If you received an approximate location please re-install your *MONIMOTO9W* in a different spot on your *vehicle*.
8. Repeat the test *movement* until you get precise GPS locations.

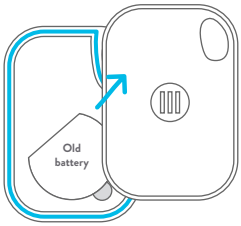
KEY FOB BATTERY REPLACEMENT

1



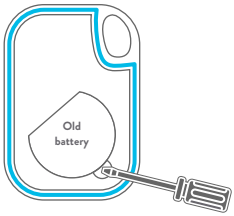
Insert flat screwdriver into special hole and lift.

2



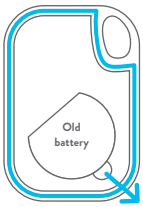
Separate the two black pieces.

3



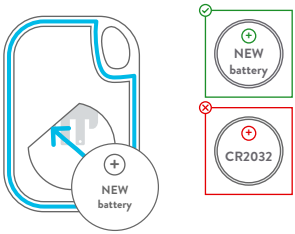
Take the piece with the battery.

4



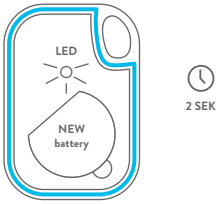
Slide the old battery with your finger to the left side to remove it, then properly dispose of the used battery.

5



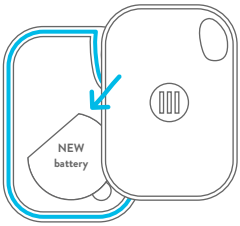
Put a new CR2032 battery into the enclosure. The positive (+) side of the battery faces down and the negative (-) side faces up.

6



Slide the new battery to the right side until the battery is in its slot.

7



Realign the two sides and firmly close till you hear a ‘click’ sound.

RESETTING YOUR DEVICE TO DEFAULT PARAMETERS

1. Ensure batteries are inserted into your *MONIMOTO9W*.
2. Push and hold the reset button for 3 seconds.
3. You will see a few LED blinks followed by one long *BLUE* LED blink for 3 seconds.

LED INDICATIONS

LED indication	**Description**
Short RED flash every 2 sec	Alarm started and searching for Key Fob. LTE is off.
Short RED first then *BLUE* flashes every 2 sec	Searching for LTE network
Two short RED flashes every 2 sec	Successfully registered on mobile network
Few short RED blinks and one Long *BLUE* flash	Device is reset to factory settings
RED/*BLUE* simultaneous flashes every 5 sec	Device is in firmware update DFU mode
RED flash every 1 sec	App is connected

UPDATING FIRMWARE

If a new firmware is available, you will see a pop-up appear in the App saying “New Firoption to install once you connect to *MONIMOTO9W* through the Settings section of the app by pressing the Connect button.

TECHNICAL SPECIFICATIONS

BATTERIES

MONIMOTO9W: 3.7V Li-Polymer (*450*mAh) rechargeable

Key Fob: 3V Lithium CR2032 (1 battery)

BATTERY OPERATION TIME

MONIMOTO9W: up to *3* months

Key Fob: up to 12 months

MONIMOTO9W SUPPORTED LTE BANDS

for operation in EU 3, 8, 20
for operation in the USA 2, 4, 12
for operation in Japan: 1, 8, 18, 19
for operation in Australia and New Zealand: 28

MONIMOTO9W SUPPORTED 2G BANDS

for operation in EU 900/1800 MHz

SIM COVERAGE

EU, UK, USA

BLUETOOTH VERSION

LE

GPS LOCK TIME ASSISTED GPS, ESIM

Hot start: <2 sec (open sky); Cold start: <45 sec

SATELLITE NAVIGATION

BeiDou, Galileo, GLONASS, GPS / QZSS

INDOOR NAVIGATION

Wi-Fi Positioning System (WPS) *starting* from 5.4.0.0 FW version

DUST AND WATER RESISTANCE RATING

MONIMOTO9W: IP65

Key Fob: IP65

POWER SUPPLY

+12V - +60V

MAX CHARGING INPUT POWER *5W*

ACCELEROMETER

3 Axis

RANGE OF OPERATING TEMPERATURES

+5°C to +45°C (*41*°F to *113*°F)

DIMENSIONS

93x39x13 mm(excl. wiring)

DEVICE WEIGHT

100g

WARRANTY

Valid for 2 years from purchase date

*The operation time will vary depending on usage of the device. Each set of batteries should give you up ~1 000 location pings.

ADDITIONAL INFORMATION

TERMS OF USE

The following terms and conditions govern the use of the *MONIMOTO9W* device and contains important information on limitations regarding the product's use and function, as well as information on the limitations of the manufacturer's liability. Please carefully read these terms and conditions for download, installation, display and use of the mobile application ("Application") before you download, install, display or use the Application.

TECHNICAL SUPPORT

In order to ensure continuous and proper operation of the *MONIMOTO9W* device and uninterrupted service, it is the responsibility of the User to make sure that: (i) the product is properly installed, and (ii) there is constant internet or LTE connection and electrical supply (low battery must be replaced in time).

If you experience difficulty during the installation or subsequent use of the system, you may contact "Monimoto, UAB" distributor or dealer in your country/region. For more information see *MONIMOTO*.com

SAFETY INSTRUCTIONS

Please read and follow these safety guidelines in order to maintain safety of operators and people around:

- DO NOT use the system where it can cause potential danger and interfere with other devices – such as medical devices.
- DO NOT use the system in a hazardous environment.
- DO NOT expose the system to high humidity, chemical environment or mechanical impact.
- DO NOT attempt to repair the system yourself – any repairs must be carried out by fully qualified personnel only.
- DO NOT try to disassemble *MONIMOTO9W*.
- NEVER install or carry out maintenance during stormy weather.
- To switch the system off, remove one of the batteries.
- Keep new or used CR2032 batteries (ones that are used in *MONIMOTO9W* Key Fob out of the reach of children. If a battery is swallowed, it can lead to serious burns resulting in internal bleeding or death.
- **Risk of explosion if the battery is replaced by an incorrect type.**

WARRANTY PROCEDURES

To obtain warranty service, you may return a defective system to your original point of purchase, or the authorized "Monimoto UAB" dealer or the distributor from which you purchased the *MONIMOTO9W* product. In order to request warranty service, the purchaser is required to provide proof of purchase.

MANUFACTURER WARRANTY

“Monimoto UAB” warrants this system only to the original purchaser and only in case of defective workmanship and materials under normal use of the system for a period of twenty four (24) months from the date of shipment by the “Monimoto UAB” (Warranty Period). Warranty obligations do not cover expandable materials (power elements and/or batteries), holders and enclosures. The warranty remains valid only if the system is used as intended, following all guidelines outlined in this manual and in accordance with the operating conditions specified. The warranty is void if the system has been disassembled or exposed to mechanical impact, chemicals, high humidity, fluids, corrosive and hazardous environments or force majeure factors.

If a hardware defect arises and a valid claim is received within the Warranty Period, at its own discretion, “Monimoto UAB” will either (a) repair a hardware defect at no charge, using new or refurbished replacement parts, or (b) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (c) refund the purchase price of the product.

LIMITED LIABILITY

The buyer must agree that the system will reduce the risk of theft, burglary or other dangers but does not provide a guarantee against such events. “Monimoto UAB” will not assume any responsibility regarding personal or property, or revenue loss while using the system. “Monimoto UAB” is not affiliated with any of the Internet providers, therefore, it shall not be responsible for the quality of Internet service.

“Monimoto UAB” shall also assume no liability due to direct or indirect damage or loss, as well as unreceived income when using the system, including cases, when the damages arise due to the above mentioned risks, when due to breakdown or malfunction the user is not informed in a timely manner about a risk which has arisen. In any case, the liability of “Monimoto UAB”, as much as it is allowed by the laws in force, shall not exceed the price of acquisition of the product.

CONSUMER PROTECTION LAWS

FOR CONSUMERS WHO ARE COVERED BY CONSUMER PROTECTION LAWS OR REGULATIONS IN THEIR COUNTRY OF PURCHASE OR, IF DIFFERENT, THEIR COUNTRY OF RESIDENCE, THE BENEFITS CONFERRED BY THIS WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES CONVEYED BY SUCH CONSUMER PROTECTION LAWS AND REGULATIONS. This warranty grants upon you specific legal rights, and you may also have other rights that vary by country, state or province.

DISPOSAL AND RECYCLING INFORMATION

The WEEE (Waste Electrical and Electronic Equipment) symbol on this product (see left) means it must not be disposed of in household waste. To prevent possible harm to human health and/or the environment, you must dispose of this product in an approved and environmentally safe recycling facility. For further information contact your system supplier, or your local waste authority.

Dispose of used batteries according to the instructions.

FCC compliance information

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.

Note: 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.
  Modifications not expressly approved by the manufacturer may void the user's authority to operate the equipment under FCC rules.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for the transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

It is strictly forbidden to copy and distribute the information contained in this document or to pass thereof to a third party without an a priori written authorization obtained from “Monimoto UAB”

“Monimoto UAB” reserves the right to update or modify this document and/or related products without an a priori warning. “Monimoto UAB” hereby declares that smart alarm for bicycles and ebicycles *MONIMOTO9W* is in compliance with the essential requirements and other relevant provisions of the RED Directive

2014/53/EU . The declaration of conformity is available at *MONIMOTO*.com.

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