MONIMOTO



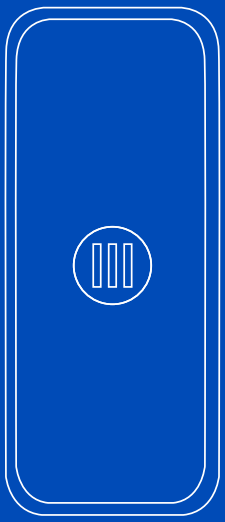
USER MANUAL

MONIMOTO 9

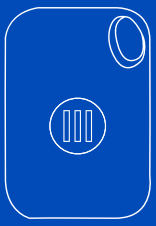
THANK YOU FOR PURCHASING MONIMOTO!

Thank You for purchasing Monimoto! We will do our best to help you secure your property. If you have any issues, please contact our Support team via the App Help section (fastest) or send an email to support@monimoto.com
You can also visit our Help Center at https://support.monimoto.com for more information.

WHAT'S IN THE BOX:



MONIMOTO



KEY FOB



2 RELEASABLE ZIP TIES

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1. BEFORE YOU START

The device can be used with iOS 14 or Android 8.0 phones and all subsequent operating systems. Android phones must have access to the Google play store.

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

HOW DOES THE KEY FOB WORK?

Monimoto comes with a Key Fob which works on a proximity basis to prevent the tracker from alarming when you move your own vehicle. We recommend keeping it on your person (jacket, pants pocket, backpack or bag) and not anywhere inside or on the vehicle. Why? If you keep it with your vehicle/vehicle keys and they get stolen - the alarm will not start since Monimoto will see the Key Fob nearby.

THINGS TO KEEP IN MIND:

- Your Key Fob can connect to Monimoto up to a maximum range of 25m/~82ft in an open area without interference, range will typically be less due to walls/objects causing interference.
- Each Monimoto can be paired with up to 3 Key Fobs.
- Each Key Fob can be paired with an unlimited number of Monimoto trackers.
- If you park your vehicle in a place where the Key Fob signal is still reachable and will prevent the alarm from starting, you can reduce the Key Fob signal range in settings.
- Monimoto searches for satellites to deliver precise GPS locations but GPS signals are poor inside places such as: basements, garages, lifts, underground car parks, concrete buildings, and tunnels. In such cases Monimoto sends approximate locations using Cell ID technology (cellular tower triangulation), or uses WLS wireless location services.
- Each time Monimoto enters Alarm mode and sends locations, the battery drains faster so avoid false alarms to save battery life.

2. GETTING STARTED

STEP 1

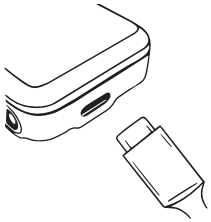
CHARGING YOUR MONIMOTO'S BATTERY FOR THE FIRST TIME

1



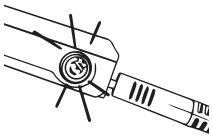
Get a USB-C charging cable and adapter (not provided with Monimoto).

2



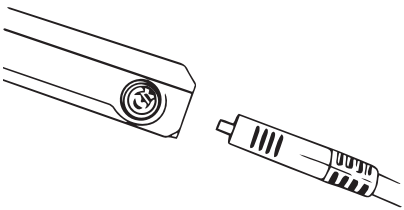
Plug your USB-C charging cable into the charging port.

3



The reset button LED will start to pulse RED meaning the device is charging.

4



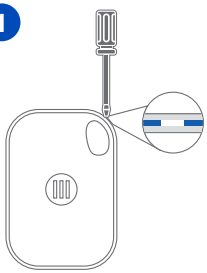
After Monimoto is fully charged, the reset button LED will display **SOLID RED.** Then you can remove the cable.

STEP 2

MONIMOTO APPLICATION SETUP

FIRST MAKE SURE THE BATTERY TAB IS REMOVED FROM THE KEY FOB.

1



Insert a small flat screwdriver into the special hole and lift.

2



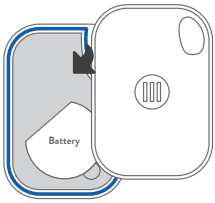
Separate the two black pieces.

3



Remove the battery tab.

4



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

SEARCH "MONIMOTO" IN APP STORE OR GOOGLE PLAY STORE

Download on the App Store

GET IT ON 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 both Bluetooth and location services are turned on.

IMPORTANT: All the Bluetooth pairings are done only through the App. Please do not try to pair your Monimoto or the Key Fob directly through your Phone's Bluetooth Settings because the App might be unable to finish setup.

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 when the device calls you.

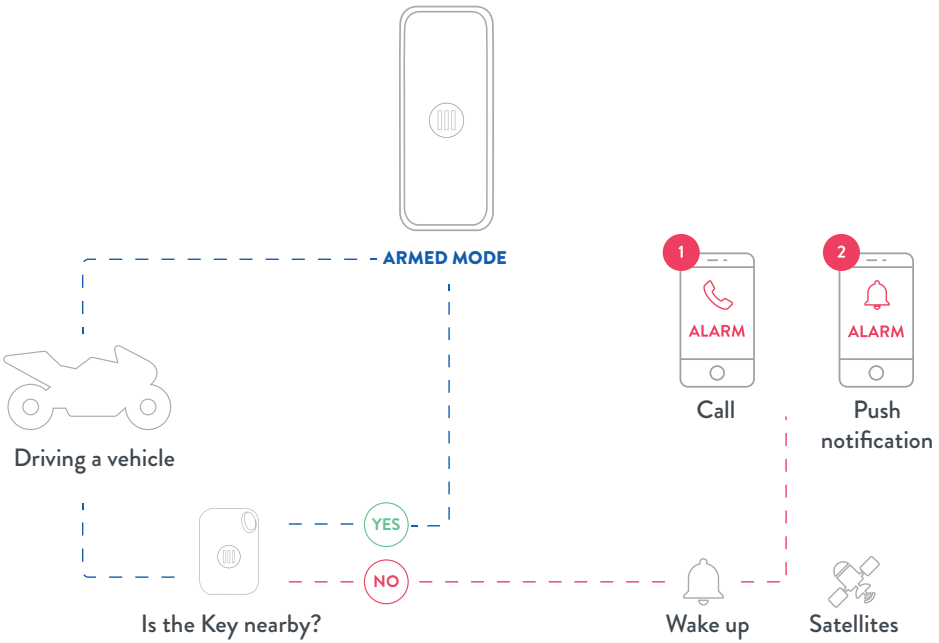
3. WHERE TO INSTALL MONIMOTO

Monimoto is intended to be placed on your vehicle in order to track it down in case of theft. After completing the App setup process, now it's time to attach it to your property. Here are some tips for best GPS and Cellular Signal Reception:

1. Make sure no metal is contacting logo side  of the device, **it will directly cause interference.**
2. It is recommended to have the logo side  of the device directed sideways or up towards the sky - if it is facing down to the ground then it will have difficulty finding satellites.
3. When testing an alarm you must do so by simulating an actual theft where you ride with the vehicle outside on the street for about 10-15 minutes. If the device is located inside a building/garage/workshop/underground during the alarm test then it will not get GPS signals and instead rely on GSM approx triangulation locations. Buildings cause interference to GPS signals.
4. If the device is surrounded on all sides by lots of metal, it could interfere with its ability to get signals, try different positions in the vehicle. Usually it takes some experimentation to find a good location where it is hidden and also able to receive GPS signals.

4. HOW MONIMOTO WORKS

MONIMOTO HAS 2 MAIN MODES - ARMED 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.

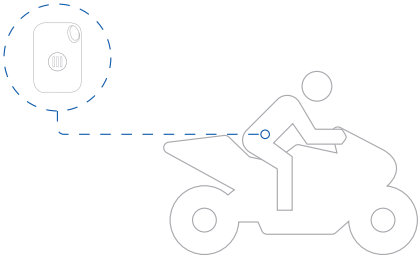
Please note **Monimoto is not a 'real time' tracking device.** It does not have a constant connection with the cellular network and is not constantly sending its location. Monimoto connects to the cellular network and **sends locations only when Alarm mode is triggered.** This helps to considerably save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

4.1. ARMED MODE

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

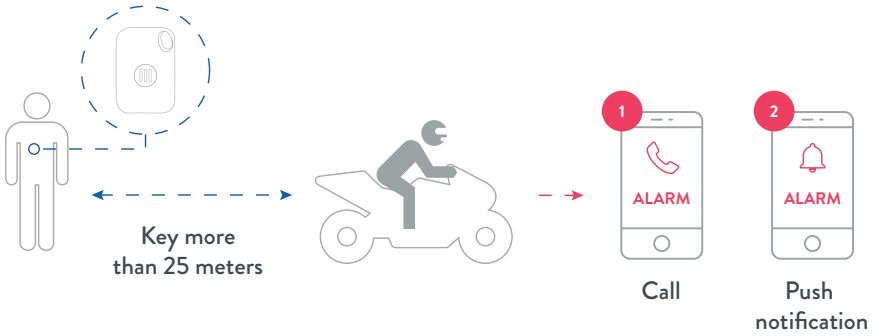
RIDING A VEHICLE

Monimoto remains in ARMED mode and does not alarm if the owner has a Key Fob while riding the vehicle.



4.2. ALARM MODE

When Monimoto 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.



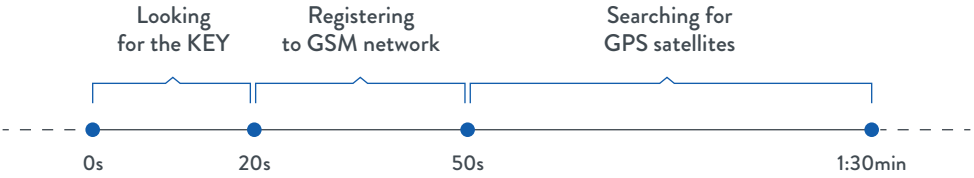
WHEN IN ALARM MODE MONIMOTO FIRST CALLS THE OWNER'S NUMBER. IT WILL CALL ONCE AND AFTER THAT YOU WILL START RECEIVING PUSH NOTIFICATIONS TO THE MONIMOTO APP.

You will see a GPS location in the Events Tab if precise location data is received or if GPS is not available then an approximate location using Cell ID (LTE-M Cell tower triangulation), or WLS wireless location if there are Wi-FI routers nearby.

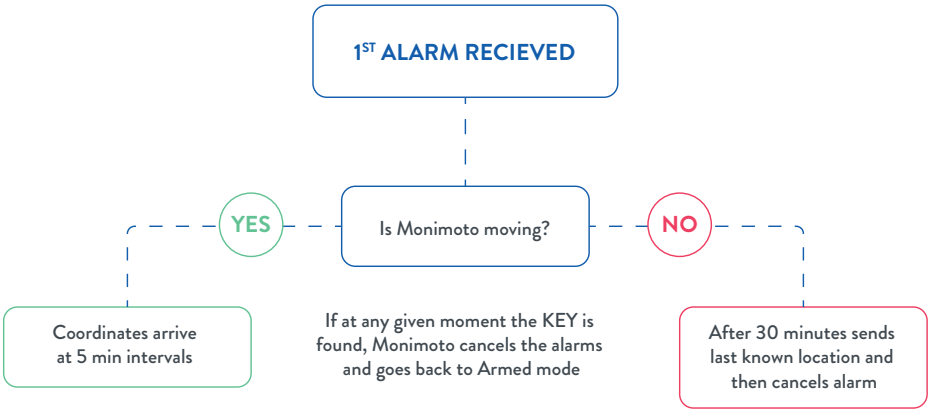
By default you will get updates every 5-10 minutes (or every 1-2 minutes if Live Tracking is enabled) in Alarm mode while movement continues. Once your Monimoto-equipped vehicle has stopped moving you will be updated with a last location after 30 minutes and Alarm mode will be canceled. If movement resumes, the alarm will start again.

These two timelines illustrate how Monimoto behaves time-wise:

MONIMOTO ALARM PROCESS



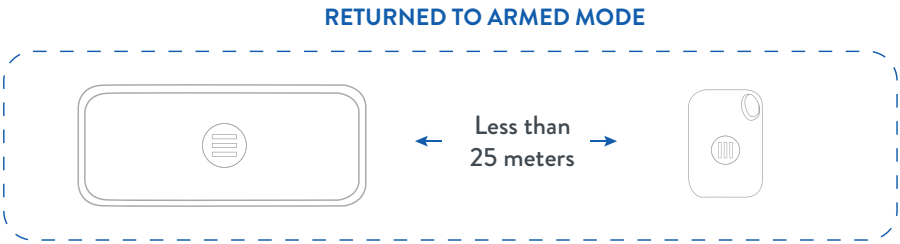
HOW MONIMOTO SENDS LOCATIONS AFTER ALARM STARTS



4.3 EXITING ALARM MODE

THERE ARE 3 WAYS AN ALARM IS CANCELLED AND RETURNS MONIMOTO BACK TO ARMED MODE:

- **Exit Alarm with Key Fob.** Once the Key Fob is detected within Bluetooth range typically maximum 25m/~82ft in an open area without obstacles, Monimoto will automatically return to Armed mode.



- **Disarm by App.** You can turn off Alarm mode by App only when your phone is within Bluetooth signal range. If you open the App, go to Settings Tab - Connect button (establishing Bluetooth connection) it will return to Armed mode and cancel Alarm mode.
- **No motion detected for 30 minutes** - Monimoto will send one last location and then cancel the alarm.

4.4 SNOOZE MODE

Snooze mode can only be activated immediately after an alarm is triggered, a button will appear on the Home Tab - **Put into Snooze Mode** - this button will disappear a few minutes after the alarm has been triggered and afterwards it's no longer possible to put into Snooze mode. Snooze 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 vehicle to a friend but forgot to give them the Key Fob.

- You can set Monimoto to Snooze for **1-24 hours** using the App.
- This action will disarm Monimoto and it will not be able to alarm.
- It is not possible to remotely wake up a Monimoto which has been successfully snoozed.
- When the snooze period ends it will return to Armed mode automatically, no action is required.
- The only way to end Snooze mode before the snooze period has finished is to be in Bluetooth range to your tracker with your phone and in the App - Settings - push the Connect button which will cancel Snooze and return Monimoto back to Armed mode.

4.5 REGULAR STATUS UPDATES

Monimoto regularly performs a battery check and updates status to your phone. If Monimoto encounters cellular network issues or batteries are drained and regular updates cannot be performed you will be notified in the App.

The frequency of Regular Updates can be set using the Monimoto App in Settings.

We recommend sticking to the default setting (once every 24 hours) and receiving regular updates everyday. This will assure you the device is working properly, and will notify you when the battery is empty. By default regular updates are not set to send a location. That can be adjusted from the Settings menu, keep in mind if locations are sent with regular updates battery drain will be significantly higher.

5. TESTING AN ALARM ON MONIMOTO

1. Leave your Key Fob at home.
2. Switch off Bluetooth on your phone and close the Monimoto Application.
3. Take your Monimoto-equipped vehicle for a test ride outdoors.
4. In approximately 1 minute you should receive a call from Monimoto and soon after push notifications should arrive to the App.
5. Open the App and check whether it is showing the precise GPS, WLS based or approximate Cell ID (cell network triangulation location).
6. If you received precise GPS locations – use one of the exit alarm mode methods to disarm the alarm.
7. If you received an approximate location please re-install your Monimoto in a different spot on your vehicle or try again. Note: very tall buildings can reduce GPS signal strength to the point of not being able to obtain precise locations.
8. Repeat the test ride until you get precise GPS locations.

6. HOW TO CHARGE THE MONIMOTO BATTERY

1. Make sure the USB-C charging port is free from dirt or water before charging your Monimoto, this will prevent accidental damage to the charging port.
2. Get a USB-C charging cable and adapter (not provided with Monimoto).
3. Insert USB-C charging cable into the charging port, it will start to PULSE RED indicating battery charging.
4. After Monimoto is fully charged, the reset button LED will display SOLID RED. Then you can remove the cable.

KEY FOB BATTERY REPLACEMENT

1. Insert a small flat screwdriver into the special hole and lift.
2. Separate the two black pieces.
3. Remove the battery by lifting it up slightly using a flat screwdriver and properly dispose of the used battery.
4. Put a new CR2032 battery into the enclosure. The positive (+) side of the battery faces up and the negative (-) side faces down. There should be a brief LED light indicating the battery is properly seated.
5. Realign the two sides and firmly close till you hear a ‘click’ sound.

7. RESTORING DEFAULT SETTINGS

1. Press and hold the reset button (DO NOT RELEASE UNTIL TOLD TO DO SO) the LED will display BLINKING BLUE for 3 seconds and then turn OFF.
2. Continue to hold button for 11 more seconds, LED will display SOLID BLUE and after 1 second SOLID RED at the same time, both RED and BLUE LED's will remain ON together.
3. Release the button and both LED's will turn OFF for a short 2 seconds and after will be a short RED LED flash followed by 2 second BLUE LED flash. This means successful reset to default.

IMPORTANT: If you release too early you will not see step 2 or 3 behavior and instead the LED will be OFF meaning you have turned OFF the device. If that has happened, plug in USB-C charging cable to turn ON the device (should see pulsing RED LED) then unplug and try steps again from the beginning.

8. HOW TO SWITCH ON AND OFF MONIMOTO

Once your Monimoto has been successfully set up it will always be ON unless you specifically switch it OFF or it runs out of batteries.

IMPORTANT: Once a device has been switched OFF, the only way to switch ON the device is by plugging in the USB-C charging cable to the charging port for at least 1 second until you see pulsing RED LED , it is impossible to switch ON the device from the App or by pushing the reset button, only plugging in the charging cable can switch ON the device.

TO SWITCH OFF YOUR DEVICE

1. Press and Hold the Reset button for 3 seconds -> reset button LED will display BLINKING BLUE then turn OFF.
2. Release the Reset button - > Device is now turned OFF.

IMPORTANT: If you do not release the button after Blue LED turns off and continue to hold the reset button for 10 seconds or more, you may accidentally reset the device to default as in Section 7 above.

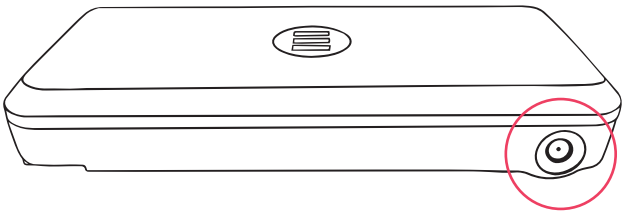
TO SWITCH ON YOUR DEVICE

Follow the same steps for charging your device in Section 6.

1. Get a USB-C charging cable and adapter (not provided with Monimoto).
2. Remove rubber plug and insert USB-C charging cable into the charging port.
3. The device is now switched ON and should display the charging battery LED or full battery LED.

9. LED INDICATIONS

WHEN WE SPEAK ABOUT LED'S WE REFER TO THE 2 LED LIGHTS (ONE **RED** AND ONE **BLUE**) THAT ARE UNDERNEATH THE RESET BUTTON.



LED indication	Description
Pulsing RED	Battery is being charged
Solid RED	Battery is fully charged
Blinking RED	Device is connected via Bluetooth to the Monimoto App (only when App is opened)
Short RED flash followed by 2 second BLUE flash	Device is successfully reset to default
Blinking BLUE for 3 SECONDS and then TURNS OFF	Device has been switched OFF
Both BLUE and RED LED's blink once every 3 seconds at same time	Device is in DFU (Device Firmware Update) Mode. If you see this indication please contact our support team using in-App message/Chat or via email to support@monimoto.com

10. UPDATING FIRMWARE

In most cases the Firmware will automatically update by itself and you will not need to do anything. But it's also possible to see a pop-up appear in the App saying "New Firmware is Available" to install you can go to App - Settings Tab - Connect button (phone/tracker in Bluetooth range) and there should appear an "Update Firmware" button.

11. TECHNICAL SPECIFICATIONS

DEVICE DIMENSIONS	Height 15 mm / 0.59 inches, Max Width 38 mm / 1.50 inches, Max Length 93 mm / 3.66 inches
DEVICE WEIGHT	58g / 2.05oz.
BATTERIES	Monimoto: 3.7V Li-Polymer 900 mAh rechargeable. Key Fob: 3V Lithium CR2032 (1 battery)
RANGE OF OPERATING TEMPERATURES	-15°C to 60°C (5°F to 140°F) Battery will only charge above 5°C / °41F ambient temperature. 5°C to 15°C (41°F to 59°F) slow charging available 15°C to 60°C (59°F to 140°F) fast charging speed
BATTERY CHARGE TIME	Above 15°C (fast charging) takes 1.5 hours to fully charge. 15°C (slow charging) takes up to 6 hours to fully charge.
BATTERY OPERATION TIME	Monimoto: up to 12 months Key Fob: up to 12 months
DUST AND WATER RESISTANCE RATING	Monimoto: IP68 Key Fob: IP65
APPLICATION IOS/ ANDROID OS REQUIREMENTS	Minimum iOS 14 or Android 8, Androids must have Google Play store
ESIM (NON-REMOVABLE)	Yes
ESIM COVERAGE	EU, UK, USA with JP/AUS/NZ to be added pending certification.

CELLULAR MODULE	MM9U-4:U-Blox SARA-R422M10S MM9U-5:U-Blox SARA-R510M8S (both from Switzerland)
CONNECTIVITY	MM9U-4: LTE Cat-M1+2G MM9U-5: LTE Cat-M1 You can check which version you have on the white sticker. MM9U-5 will be sold to countries where there is no longer any 2G coverage, for example USA.
NETWORK CONNECTIVITY BANDS	LTE CAT-M1 Frequency Bands: for operation in EU 3, 8, 20 for operation in the USA 2, 4, 5, 12, 13 for operation in Japan: 1, 8, 18, 19 for operation in Australia and New Zealand: 28 2G (GSM) Frequency Bands: B3(1800), B8(900)
LTE POWER CLASS (DBM)	23
BLUETOOTH VERSION	LE
ASSISTED GPS	Yes
SATELLITE NAVIGATION	GPS, GLONASS
INDOOR NAVIGATION	Wi-Fi Positioning System (WPS) included in future over-the-air firmware update
USB	C-type
ACCELEROMETER	3 Axis
WARRANTY	Valid for 24 months from purchase date, please keep your receipt - it is needed for any warranty claims.

* The operation time will vary depending on usage of the device.
Each full charge will give approximately 500 locations.

12. ADDITIONAL INFORMATION

TERMS OF USE

The following terms and conditions govern the use of the Monimoto 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 Monimoto 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 recharged 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 Monimoto.
- NEVER install or carry out maintenance during stormy weather.
- To switch the system OFF, press and hold the reset button for 3 seconds and then release the button. Do not hold longer than 10 seconds otherwise the system will be reset to default instead of turned off.

CE or FCC related Radiofrequency radiation exposure information: this equipment complies with radiation exposure limits prescribed for an uncontrolled environment for fixed and mobile use conditions. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and the body of the user or nearby persons. Make sure the device is more than 20cm away from a person‘s body.

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 Monimoto 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 expendable 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 according to 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.

"Monimoto UAB" hereby declares that the Monimoto smart alarm is in compliance with essential requirements and other relevant provisions of the Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: monimoto.com/eu/declaration-of-conformity.

Monimoto UAB, Sauletekio al. 15,
Vilnius, Lithuania LT-10224,
support@monimoto.com

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WARNING!

- This product contains a rechargeable lithium battery.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting a battery can result in an explosion.
- Leaving a battery in an extremely high or low temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

APPROVED BATTERIES FOR KEY FOB MODEL KEY4:

Non rechargeable 3V Lithium CR2032: Energizer CR2032, Panasonic CR2032, Varta CR2032, GP CR2032, Jauch CR2032, Renata CR2032, EEMB CR2032

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.

CANADA REGULATIONS: (RSS-GEN SECTION 8.4)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licenceexempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient des émetteurs/récepteurs exemptés de licence qui sont conformes aux RSS exemptés de licence d'innovation, sciences et développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

1. Cet appareil ne peut pas causer d'interférences.
2. Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un fonctionnement indésirable de l'appareil.

CAUTION:
This transmitter must not be co-located or operating in conjunction with any other antenna or transmit- ter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.


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