USER MANUAL

MONI MOTO

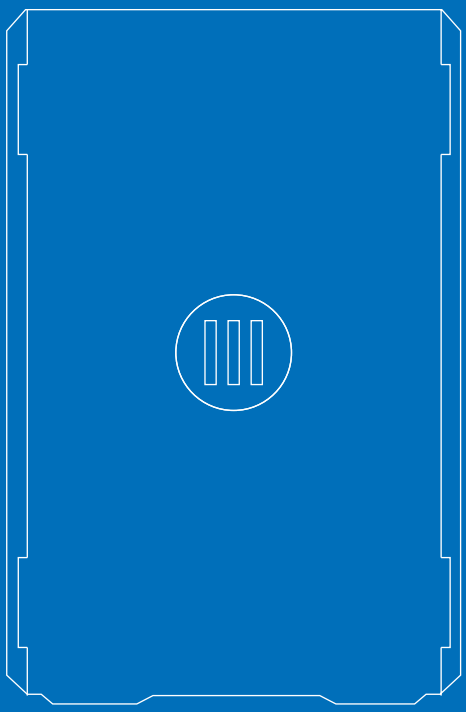
THANK YOU
FOR PURCHASING MONIMOTO!

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

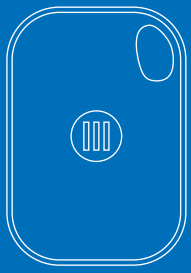
CONTENTS

1. Before You Start / 6
2. How Monimoto Works / 8
    1. Ready Mode / 9
    2. Alarm Mode / 9
    3. Exit Alarm Mode / 11
4. Periodic Check / 12
5. Getting Started / 13
6. Where to Install Monimoto / 14
7. Testing Monimoto / 15
8. Battery Replacement / 16
9. Restoring Default Parameters / 18
10. LED indications / 18
11. Updating Firmware / 18
12. Technical Specifications / 19
13. Additional Information / 20

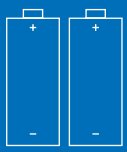
WHAT'S IN THE BOX:



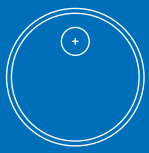
MONIMOTO



KEY FOB



2X FR6 BATTERIES



1X CR2032 BATTERY

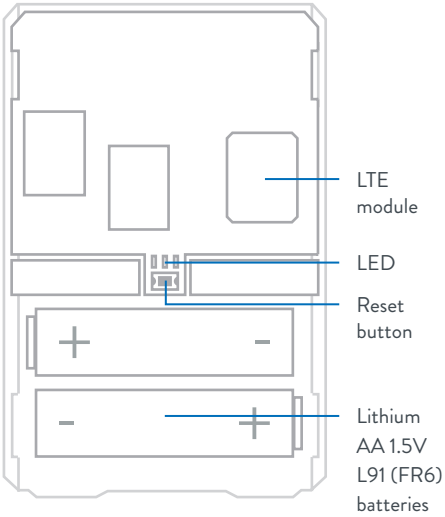
2 RELEASABLE ZIP TIES

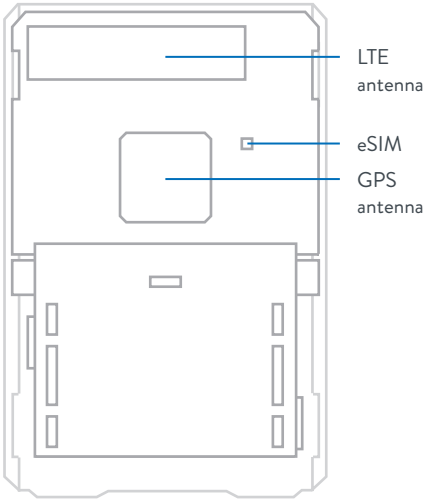
1. BEFORE YOU START

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 Monimoto uses this technology.

In the pictures below you can see Monimoto packed with LTE, GPS, Bluetooth and other smart technology inside. It also contains an eSIM card (chip soldered to the board) and two FR6 type batteries. This unit is the brain of your smart alarm system. It is intended to be placed inside your vehicle and track it down in case of theft.

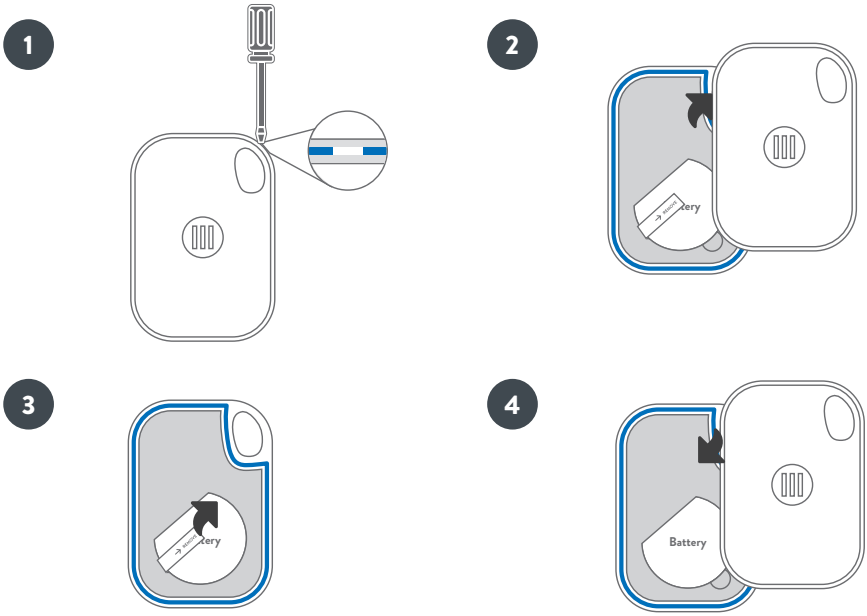




Additionally Monimoto comes with a Key Fob which is kept with the owner and works on a proximity basis. It must be kept with the owner (not anywhere inside or on the motorcycle) at all times. Why? If you keep it on your bike and it gets stolen - the alarm will not start since the device will see the key fob nearby.

The Monimoto Key Fob is not supposed to be attached to your keys and should be kept separate - in your pocket or backpack. This will prevent you from losing the linked Key Fob in case your motorcycle keys are stolen. Each Monimoto device can connect up to 3 Key Fobs. After some time you will need to change the battery in the Key Fob.

PULLING OUT BATTERY TAB

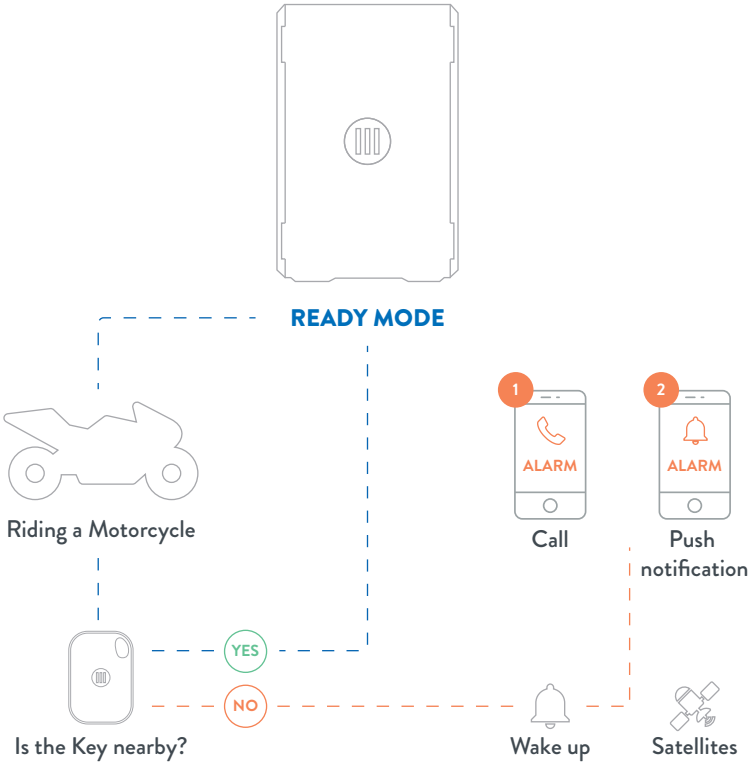


THINGS TO KEEP IN MIND:

- The maximum Bluetooth signal range between your smartphone and Monimoto unit is 50m (~150ft) in an open area.
- If you have more than one Monimoto you can use the same Key Fob for all of them.
- Monimoto is designed to search for satellites and deliver precise GPS locations but GPS signals are usually poor inside buildings or places such as: basements, garages, lifts, underground car parks, concrete buildings, and tunnels. In such cases Monimoto sends approximate locations using Cell ID technology.
- Each time Monimoto enters Alarm mode, the battery drains faster so avoid false alarms to save battery time.

2. HOW DOES MONIMOTO WORK

MONIMOTO 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.

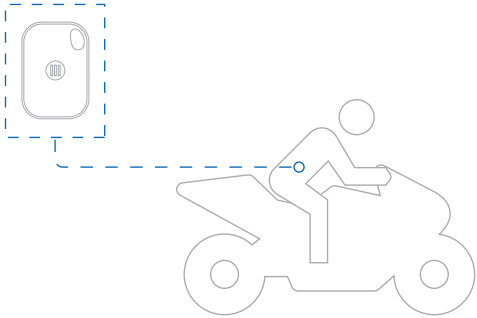
Please note Monimoto is not a 'real time' device. It does not have a constant connection with the LTE network. Monimoto connects to it only when Alarm mode is triggered. This helps to considerably save battery time.

2.1. READY (ARMED) MODE

Once you go through the setup wizard and successfully configure your device – you should see a green "READY"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.

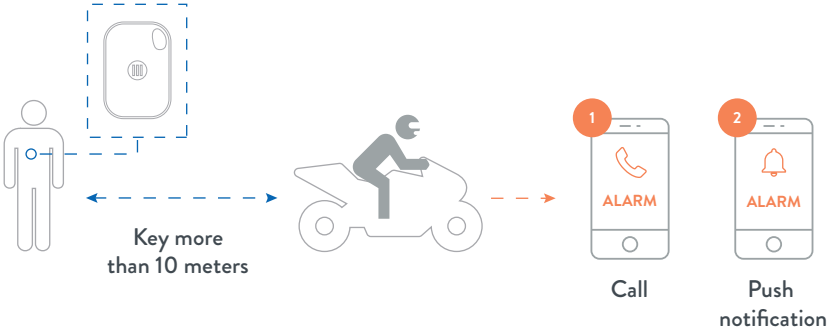
RIDING A MOTORCYCLE

Monimoto also remains in Ready (Armed) mode if the owner has a Key Fob while riding the motorcycle.



2.2. ALARM MODE

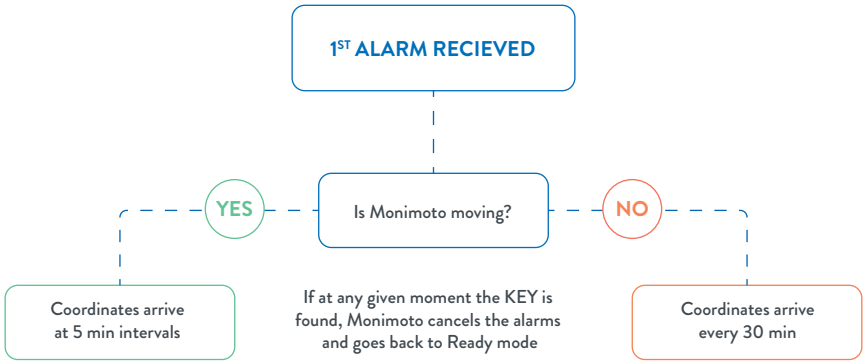
When Monimoto senses any type of motion, movement or vibration, the first thing it does is a Key Fob check. If the Key Fob is not found, the device will enter Alarm mode.

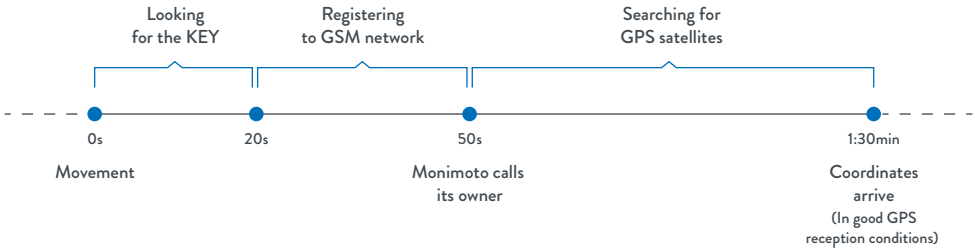


When in alarm mode Monimoto first calls the owner's number. It will call **ONCE** and after that you will start receiving push notifications to the Monimoto app. You will see a GPS location if precise location data is received or an approximate location from LTE network triangulation using Cell ID if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

By default you will get updates every 5-10 minutes (or every minute if Live tracking is enabled) in Alarm mode while the movement continues. Once your Monimoto-equipped vehicle has stopped moving you will be updated 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:



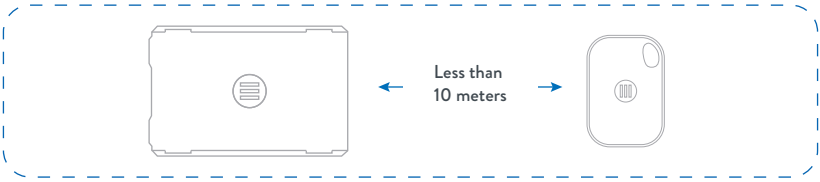


2.3. EXITING ALARM MODE

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

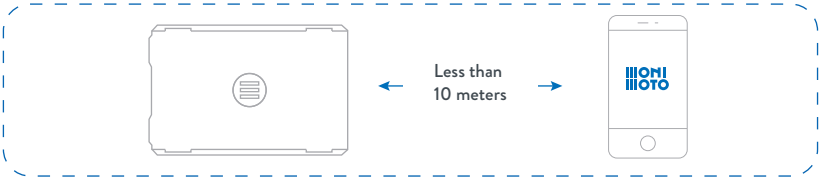
- Exit Alarm with Key Fob. Once the Key Fob is detected within the 10m (~30ft) range, Monimoto will automatically return to Ready mode.

RETURNED TO READY MODE



- **Send to sleep by app.** Sleep mode can only be activated during Alarm mode, and only when the user manually chooses to sleep the device. You can put Monimoto to sleep for 1-24 hours using the app. This action will disarm Monimoto 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 motorcycle to a friend but forgot to give them the Key Fob.

- **Deactivate 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 and press "Connect" (establishing bluetooth connection)– it will return to Ready (Armed) mode and cancel Alarm mode.

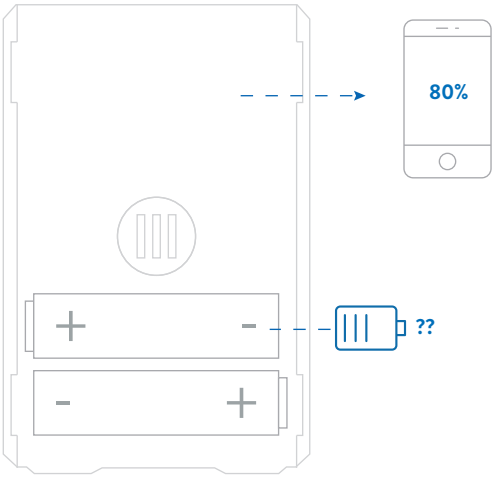


- **If there is no motion for 30 minutes** Monimoto cancels the alarm.

3. PERIODIC CHECK

Monimoto regularly performs a battery check and updates status to your phone. If Monimoto 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 Monimoto 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 it on since it drains battery significantly to send location updates.

4. GETTING STARTED

STEP 1

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.

STEP 2

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 Monimoto 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.

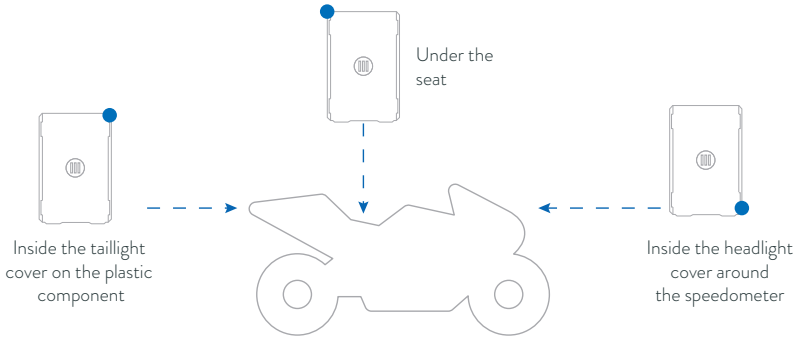
STEP 3

After pairing, hide and attach Monimoto to your vehicle using two zip ties.

5. WHERE TO INSTALL MONIMOTO

Monimoto is intended to be placed inside your vehicle in order to track it down in case of theft. After setting up and configuring your device, hide it in your motorcycle or other vehicle.

Recommended Monimoto installation locations for your motorcycle:

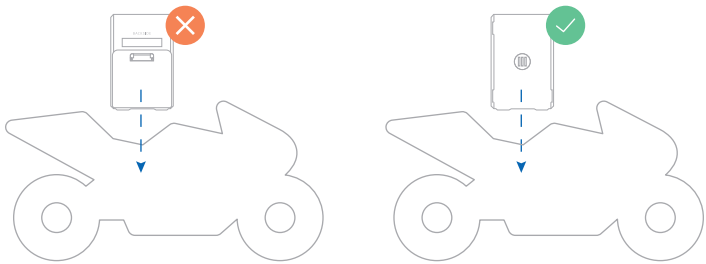


- **WARNING!**
  All antennas (GPS, Bluetooth and LTE) are positioned on the LOGO side of the device. When installing, make sure LOGO is in front (and not towards the metal parts of the vehicle. This is VERY important, as metal blocks radio waves and decreases location accuracy and connectivity.

IMPORTANT: Do NOT put Monimoto in an enclosed metal environment, as radio waves cannot travel through metal!

6. TESTING MONIMOTO

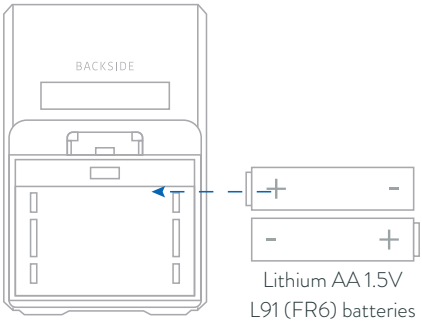
1. Leave your Key Fob at home.
2. Switch off Bluetooth on your phone and close the application.
3. Take your Monimoto-equipped vehicle for a test drive.
4. In approx. 1 minute you will receive a call from Monimoto and soon after push notifications should arrive to the Monimoto app.
5. Open the app and check whether it is showing the precise GPS or approximate LTE network based location.
6. If you got precise GPS locations – put the device to sleep using the app to save battery and go home to take the Key Fob. Congratulations, your vehicle is now safe!
7. If you received an approximate location please re-install your Monimoto in a different spot inside your vehicle. Best satellite signal reception is achieved when the GPS antenna is pointing upwards, or to the side.
   Never install your device with the Monimoto LOGO facing metal vehicle parts, frame or cable harnesses. Only the back side of the tracker is suitable for attaching it to the bike.



8. Repeat the test drive until you get precise GPS locations.

7. BATTERY REPLACEMENT

1. Remove Monimoto from your vehicle by releasing zip ties.
2. Remove the old AA FR6 batteries from the battery pocket and properly dispose of them.
3. Wait for 2 minutes.
4. Position the new batteries and insert them into the battery pocket based on the positive/negative terminals as indicated on the main board of Monimoto.
5. Place it back into the installation location of your vehicle.
6. Test Monimoto.

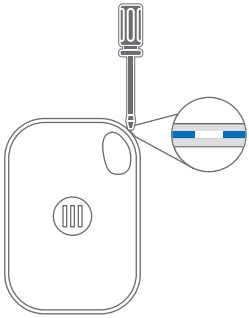


KEY FOB V4

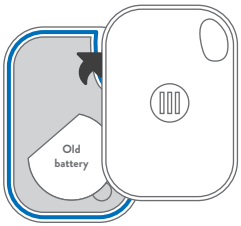
1. Take the Key Fob
2. Insert flat screwdriver into special hole and lift.
3. Separate the two black pieces.
4. Take the piece with the battery.
5. Slide the old battery with your finger to the left side to remove it, then properly dispose of the used battery.
6. Put a new CR2032 battery into the enclosure. The negative (-) side of the battery faces down and the positive (+) side faces up.
7. Slide the new battery to the right side until the battery is in its slot.
8. Realign the two sides and firmly close till you hear a 'click' sound.

1

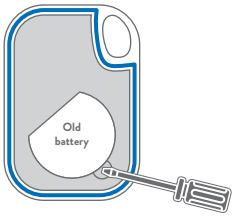
2



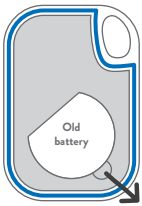
3


Old
battery

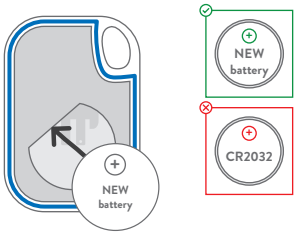
4


Old
battery

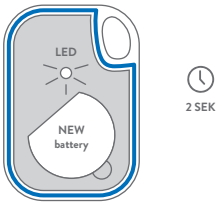
5


Old
battery

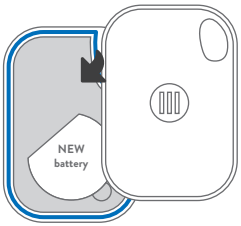
6


NEW
battery
NEW
battery
CR2032

7


LED
NEW
battery
2 SEK

8


NEW
battery

8. RESETTING YOUR DEVICE TO DEFAULT PARAMETERS

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

9. 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 GREEN 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 GREEN flash	Device is reset to factory settings
RED/GREEN simultaneous flashes every 5 sec	Device is in firmware update DFU mode
RED flash every 1 sec	App is connected

10. UPDATING FIRMWARE

If a new firmware is available, you will see an option to install once you connect to Monimoto through the Settings section of the app by pressing the Connect button.

11. TECHNICAL SPECIFICATIONS

BATTERIES
MONIMOTO: AA 1.5V Lithium 3000mAh L91 (FR6) (2 batteries)

KEY FOB V3:
3V Lithium CR2032 (1 battery)

BATTERY OPERATION TIME
MONIMOTO: up to 12 months*

KEY FOB:
up to 12 months*

MONIMOTO 7 MODEL
MM7E1 LTE modem Bands 2, 4, 12, 13 and GSM 900/1800Mhz for EU

BLUETOOTH VERSION
v4.1; 2.4GHz frequency

GPS LOCK TIME ASSISTED GPS, ESIM
Hot start: <2 sec (open sky); Cold start: <45 sec

DUST AND WATER RESISTANCE RATING
Monimoto: IP64

Key Fob: IP65

RANGE OF OPERATING TEMPERATURES
-15° to +55°C (-4°F to 131°F)

DIMENSIONS
94x62x19mm (3.7×2.44x0.75in)

*The operation time will vary depending on usage of the device. Each set of batteries should give you up ~ 500 location pings.

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 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 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, remove one of the batteries.
- Keep new or used CR2032 batteries (ones that are used in Monimoto Key Fob4 or CR2450 for older Key Fob models) 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 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 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.

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 the MONIMOTO smart alarm for motorcycles 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

User Guide v1.00 Copyright © “Monimoto UAB”, 2022.
All rights reserved.