User manual

Personal GPS Tracker 5G NB-IoT



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Declaration and General Terms and Conditions of Use

Please read this Declaration carefully prior to using the VIMRON® Personal GPS Tracker 5G NB-IoT (hereinafter referred to as the "Device") and the platform or the computer program (hereinafter referred to as the "Software"). By using the Device and/or the Software you declare that you have become acquainted with all the information specified below, accept the information and agree with it. In the case that you do not agree with this Declaration and the information specified below, do not use the Device and/or the Software.

Device use

The Device is primarily intended for tracking the movement and localisation of property. The localisation and tracking features are of an informative nature and may not be completely precise.

Legal constraints for using the Device

In some countries and/or regions the tracking of objects, animals and humans is regulated by laws which the owner and/or the user of the Device are obliged to follow. The owner and/or the user use the Device at their own risk. VIMRON s. r. o. shall not be liable for use of the Device in violation of the laws applicable in the country and/or region in which the owner and/or the user use the Device.

The owner and/or the user may not reverse engineer, decompile, examine, modify, or otherwise tamper with the internal hardware and integrity of the Device. They also undertake not to tamper with (as described above) the software of the Device (firmware), which forms an integral part of the Device. The owner and/or the user also undertake not to make available and/or provide or grant third parties access to the Device and/or the Software for the purposes specified in this Clause, and to adopt any and all available measures to protect the Device.

Device functionality

The Device connects to a telecommunications network through a SIM card of a mobile network provider which it uses to send tracking and other data depending on the type and kind of Device. The correct functionality of the communication module depends on the signal quality and coverage of the telecommunications network to which the Device connects.

Some Device services and/or features may differ or may be limited depending on the country, Device model, or the telecommunications provider.

The GPS signal quality and the thereto related Device positioning precision depend on the environmental, use and ambient conditions existing where the Device is used. For a seamless experience and the best possible GPS precision, the Device should have a clear view of the skies and should not be located in proximity of sources of strong electromagnetic radiation.

The Device features an SOS button which can be used in emergencies to raise an "alarm"; in such a case the Device transmits a preset notification which will be displayed on the platform or the mobile device. The SOS feature is an additional feature. The notification will be displayed only to the users specified in the platform settings and/or on the permitted mobile devices. The Device does not feature a functionality allowing it to connect to emergency and health services and/or the police. The Device has not been certified for use in crises. The Device has not been certified by any emergency service or security authority.

Warranty period

The warranty period shall be determined by the laws of the Device owner's country of residence, unless a separate agreement between VIMRON s. r. o. and the owner stipulates otherwise.

The Device contains security features which, if broken, void the right to free repair or replacement of the Device under warranty.

Disclaimer

VIMRON s. r. o. shall not be responsible for the quality of signal of a telecommunications network and the thereto related functionality of the Device's communication module. Equally, VIMRON s. r. o. shall not be responsible for the precision of the position determined by the Device. VIMRON s. r. o. shall not be responsible for any damage to property and/or the health of persons or animals directly and/or indirectly caused by the use of the Device. VIMRON s. r. o. shall not be liable for any accidents and/or crises caused by the Device not detecting an emergency and/or not sending a notification.

The Device shall be used by its owner and/or user at their own unlimited liability. The Device shall only be used for its intended purpose in accordance with the manufacturer's instructions contained in this manual.

Personal data protection

You acknowledge and agree that VIMRON s. r. o. and/or its affiliates or subcontractors may collect and use technical information, such as the Device serial number, customer code, access records, Device firmware information, MCC (country) code, and MNC (mobile network) code. VIMRON s. r. o. and/or its affiliates or subcontractors may use such information to improve or upgrade their services, including improvement or upgrade of the firmware or Software. The information mentioned above shall not be disclosed to any external parties (subcontractors) in a form allowing them to identify the owner and/or the user of the Device. Your data will be handled at all times in compliance with the Privacy Policy of VIMRON s. r. o. available at **www.vimron.com/legal**

Important information pertaining to your Device

Electromagnetic Compatibility

Never open the Device cover. Avoid strong magnetic fields (e.g. in proximity of transformers) as they could impact data transfer. Failure to do so may result in equipment failure or damage.

Risk to children and individuals with disabilities

Use of this Device is not intended for individuals (including children) with limited physical, sensory or mental abilities or by inexperienced and/or unskilled individuals unless they have been given supervision or instruction concerning use of the Device by a person responsible for their safety.

Waste

Batteries are considered hazardous waste. Battery vendors and waste disposal facilities provide suitable containers for proper disposal of batteries.

Use in airplanes

To meet the requirements of aviation authorities, prior to take-off please switch off your Device as it could cause electromagnetic interference with avionic systems.

Safety regulations pertaining to Lithium-Ion batteries

This Device uses a Lithium-Ion battery. A failure to follow the rules specified below could damage the battery, reduce its useful life or performance, cause the battery to overheat, explode or catch fire causing serious injury to you or your surroundings!

When using the battery, follow the safety rules below:

- Do not place the battery on or near fires, stoves or other high-temperature settings
- Do not place the battery in direct sunshine, or use or store the battery inside automobiles during hot weather
- Do not pierce the battery with nails, strike the battery with a hammer, or otherwise subject it to strong impacts or shocks
- Do not expose the battery to water or salt water or allow the battery to get wet
- The battery cannot be replaced and must not be removed; in case of malfunction contact the vendor
- Do not disassemble or modify the battery
- Do not place the battery in microwave ovens, high-pressure containers or on induction cookware
- To charge the battery, always use the charger specified in the user manual. Never use a charger not intended for use with this Device
- When the charger is in use it must be supervised
- Always charge the battery when the ambient temperature is between 10 °C and 45 °C
- Using a different charger may damage the battery or the Device
- The battery contains safety and protection devices which, if damaged, may cause the battery to generate heat, explode or ignite
- Immediately discontinue use of the Device if, while using, charging or storing the battery, the battery emits an unusual smell, feels hot, changes colour or shape or appears abnormal in any other way. In the case of any of these issues, please contact your vendor
- In the event the battery leaks and the fluid gets into one's eye, do not rub the eye. Rinse well with water and immediately seek medical care; if left untreated, the battery fluid could cause damage to the eye
- The battery must be recycled

General description

Monitoring device with 5G cellular communication technology type LPWAN Cat NB-IoT (NB1 and NB2) and Bluetooth Low Energy (BLE) with firmware for the purpose of tracking the object and recording the geographical position in the field using the GNSS (Global Navigation Satellite System). The device is powered by a rechargeable battery with a **lifespan of months to years**.

Benefits

- Extreme battery life on a single charge
- Guaranteed data transfer on the latest 5G mobile operator networks
- High-precision positioning thanks to the simultaneous use of up to 3 GNNS
- Expandable to allow interior positioning
- Low operating and maintenance costs
- SMS notifications for alarms and battery status
- Integrated accelerometer
- Expandable by BLE sensors (more than 110 types of measured quantities)

Color variants



Package contents

- Personal GPS Tracker 5G NB-IoT
- Quick Start Guide with a link to the User manual

Description of the Device



Charging

You can charge the device with **Qi-certified wireless chargers** (sold separately). Connect the charger to the power supply. Use the power adapter supplied with the charger or recommended by the manufacturer.

Fully charge the device before first use. Place the device in the **middle of the charger with the SOS button facing up**. When the device is in the correct position with respect to the charger and the device is turned on, the correct charging is indicated by the **red battery symbol**. **When the battery is charged, the red symbol goes out.** Then remove the device from the wireless charger and disconnect the charger from the power supply.

Note: If the device is **turned off** or **completely discharged**, the **battery symbol does not light up**, but the device is **charging** on the charger!

Switching on

When switching the Device on for the first time, ensure good GPS signal reception. The first registration can take a longer time, depending on the position of the GPS receiver and ambient conditions.

To switch the **Device on**, **press and hold the SOS button for 5 seconds**. After pressing correctly, the **battery symbol will light** up and **after 5 seconds the signal symbol will also light up**. Then by **releasing the SOS button**, the device will **turn on** and start logging into the NB-IoT network and searching for GNSS satellites, which may take several minutes.

If the **battery symbol goes out** when you turn it on, the **battery does not have enough capacity** to turn it on and the device **must be charged**.

You can check the Device status at any time using the "**Device Status**" feature.

Switching off

To switch the **Device off, press the SOS button three times within 1 second** intervals. If done correctly, the signal and battery indicators will begin **flashing rapidly alternately.** The Device will automatically switch off after five seconds. In this state, the Device can only be switched on.

Device status

This feature is used to check the current status of the Device. To check the status, **press the SOS button once**.

The signal symbol shows the device status, while the battery symbol shows the battery capacity.

Battery symbol:

The number of times the battery indicator **flashes indicates the battery charge in percent.** For example, if the symbol flashes five times, the battery is charged to 50%.

Network symbol:

The **correct Device status** is indicated by a single, **long illumination of the green network symbol**. Multiple flashes of the signal symbol represent an error in one of the device components, such as SIM, GPS, or NB-IoT, as indicated in the table below.

Flashing	SIM	GNSS	NB-IoT
1	✓	✓	✓
2	✓	✗	✓
3	✓	✓	✗
4	✓	✗	✗
5	✗	✓	✗
6	✗	✗	✗

SOS Button

To activate the "**emergency alarm**" function, **press and hold the SOS button for at least 5 seconds.** If the emergency alarm is activated correctly, the **battery and signal symbols will light up 3 times simultaneously.**

Tips for better use

Device position and positioning within buildings

Our testing shows that the Device produces good positioning results regardless of its orientation. However, the optimum performance is achieved when the Device is placed with the logo facing skywards. When not placed in this position, the Device may lose connectivity and some positioning messages may not be sent in areas with poor GPS signal or in densely built-up urban areas.

The GPS signal can be weak and/or lost inside buildings. However, the Device can record and send some status and positioning information even without GPS reception using your GSM provider's network.

Metal in the environment

Environments containing a lot of metal can interfere with the Device transmission or cause the Device to lose signal, so avoid using the Device near metal objects.

Declaration

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Declaration of conformity

Hereby, VIMRON s. r. o. declares that the device is in compliance with Directives 2014/53/EU (RED), 2011/65/EU (RoHS II) and 2015/863 (RoHS III). The full text of the EU declaration of conformity is available at **www.vimron.com/manuals**

WEEE Directive Compliance



Device labelled with this symbol should not be disposed with other household wastes. It shall be handed over to the applicable collection point for the recycling of waste electrical and electronic equipment (2012/19/EU).

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