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Quick Start Guide

1. Deactivate the SIM PIN of your Sim Card before inserting it into the tracker.

Insert the SIM card into the tracker in micro format. **Set up the SOS1 master number (your mobile number)**. Your mobile number is assigned to the tracker to prevent unauthorized access to other numbers. If the APN recognition of the SIM card is not automatic, then the APN settings of the SIM card provider must be transmitted to the tracker. Read point 9.1 for APN and point 9.2 for SOS1 in the manual.

2. Save the phone number of the SIM card, which is in the tracker, in your mobile phone contact list, including country code. With your mobile phone, you can now control the tracker via SMS commands.

3. Connect the cables according to the installation instructions 7.4.

First connect the cable harness to the tracker. From the wiring harness four differently colored wires emerge. You only need the red (+ pole) and the black cable (- pole). Now connect the stripped ends of the red and black cables to the red and black cables of the connector.

4. The red LED on the tracker will start flashing, this means that it is looking for the respective signal. As soon as the red LED lights up permanently, there is a connection.

5. Before the device can receive GPS signals, the device must be moved outdoors.

6. The tracker automatically connects to the platform and sets the APN settings on its own. If the tracker does not connect, set up the commands as listed in items 9.1 and 9.2.

7. Log in to www.gps123.org or in the Anytracking APP with the following data:

Login: IMEI number (see sticker on the tracker)

Password: 123456 (Look for Anytracking on the App Store or Google Play)

1 Scope of delivery

- Main unit tracker
- 4-pin connection cable of the power supply optional:
- Battery rod, connection cable, charger

2 Safety instructions

Read these operating instructions completely before commissioning the GPS tracking system. In addition to the operating instructions, observe the generally valid and local regulations on accident prevention and environmental protection. Keep the operating instructions. Do not operate the GPS tracking system in an environment where flammable gases, vapors, liquids or dusts are present or may be present.



Attention, do not expose the device to heavy rain or moisture to reduce the risk of electric shock or damage

3 Intended Use

With the GPS tracking system, you can view the position of a bicycle or similar Query SMS, App or Internet platform. The transmission of data is done via the GSM network. The system has various alarm functions. Use that GPS tracking system only as specified in this manual. The manufacturer is not liable for damage caused by improper use or incorrect operation.

4 Fault

Immediately stop using the GPS tracking system if it can be assumed that safe operation of the GPS tracking system is no longer guaranteed. Take all measures to prevent unintentional recommissioning. A repair may only be carried out by a specialist.

5 Commitment and liability

The GPS tracking system has been developed and manufactured according to the current state of the art and the recognized safety rules. However, there is no assurance that the GPS tracking system will operate as intended under any circumstances, at any time and under any conditions.



Attention, do not use the GPS tracking system if a malfunction could result in danger and / or property damage.

6 Disposal

Dispose of this product for disposal at an official collection point. You can also return the product to the manufacturer for environmentally sound disposal.



This product does not belong in the household waste. Dispose of the product only in accordance with the applicable statutory regulations.

7 Device Description

7.1 Function Description

GPS-Tracking

Locating the GPS tracker is possible as soon as a SIM card is inserted in the device and logged into the GSM network. In addition, a GPS signal is needed, which the system receives through the internal GPS antenna. The position data is transmitted to the server via data packet. After logging in on the free tracking platform www.gps123.org, or Anytracking App you can see the position of the vehicle and the routes of the last 180 days. A query of the position is also possible via SMS command directly from the tracker to the mobile phone.



Note: Determining the current position can take up to 60s.

It is recommended to choose the card of a provider, which allows kByte-moderate billing. This saves data costs if the GPRS function is to be used. Or you book a cheap flat option with about 20 Mb incl. Volume per month.

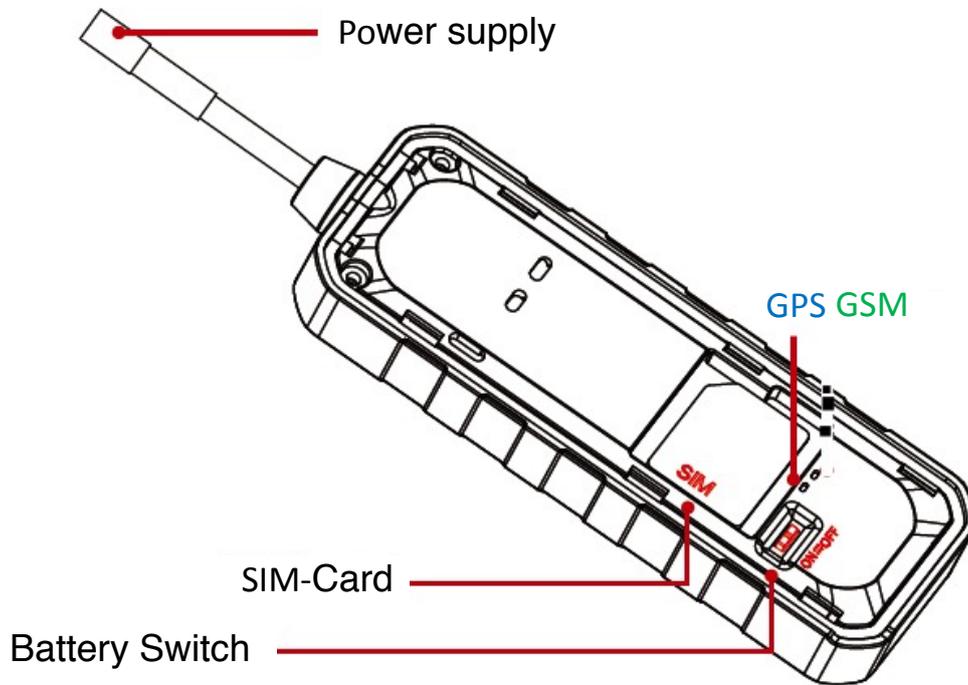


Note: The SIM card must be suitable for GPRS (data transmission to the Internet possible).



If the power supply is interrupted and the internal battery is discharged, you will also receive a message. It can be set on the online platform, an area in which the vehicle is allowed to move. If this area is left, an alarm message (GeoFence) is issued.

7.2 Construction of the control unit



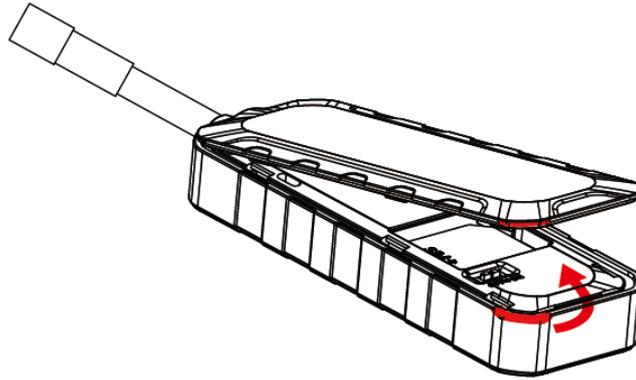
LED Status		
GPS	Blinking Light on permanently Off	GPS searching GPS Signal found Energy Save Mode On
GSM	Blinking Blinks shortly every 2 sec. ██████████ ██	GSM searching GSM Signal found, no GPS Signal

7.3 Inserting the Sim Card

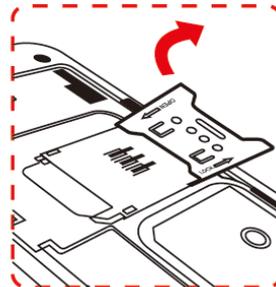
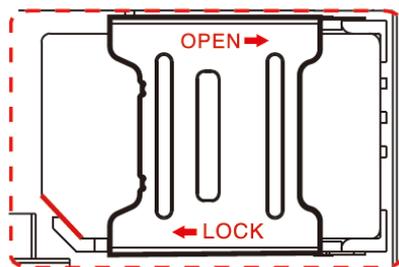
Make sure the GPS tracker is turned off and disconnected from the power. The PIN code must be and the diversion of the SIM card should be deactivated.



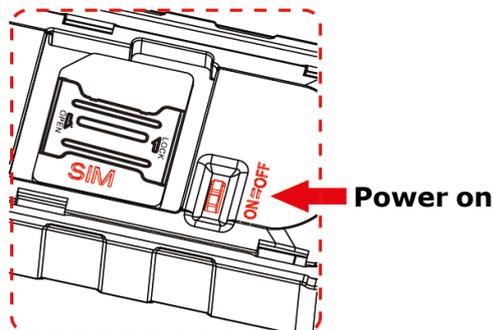
Open the lid on the ██████████ tab



Unlock the SIM card holder and insert the SIM card. Slide the card holder back to "LOCK" position.



Turn on the device and connect it to the connection cable.



7.4 Installation

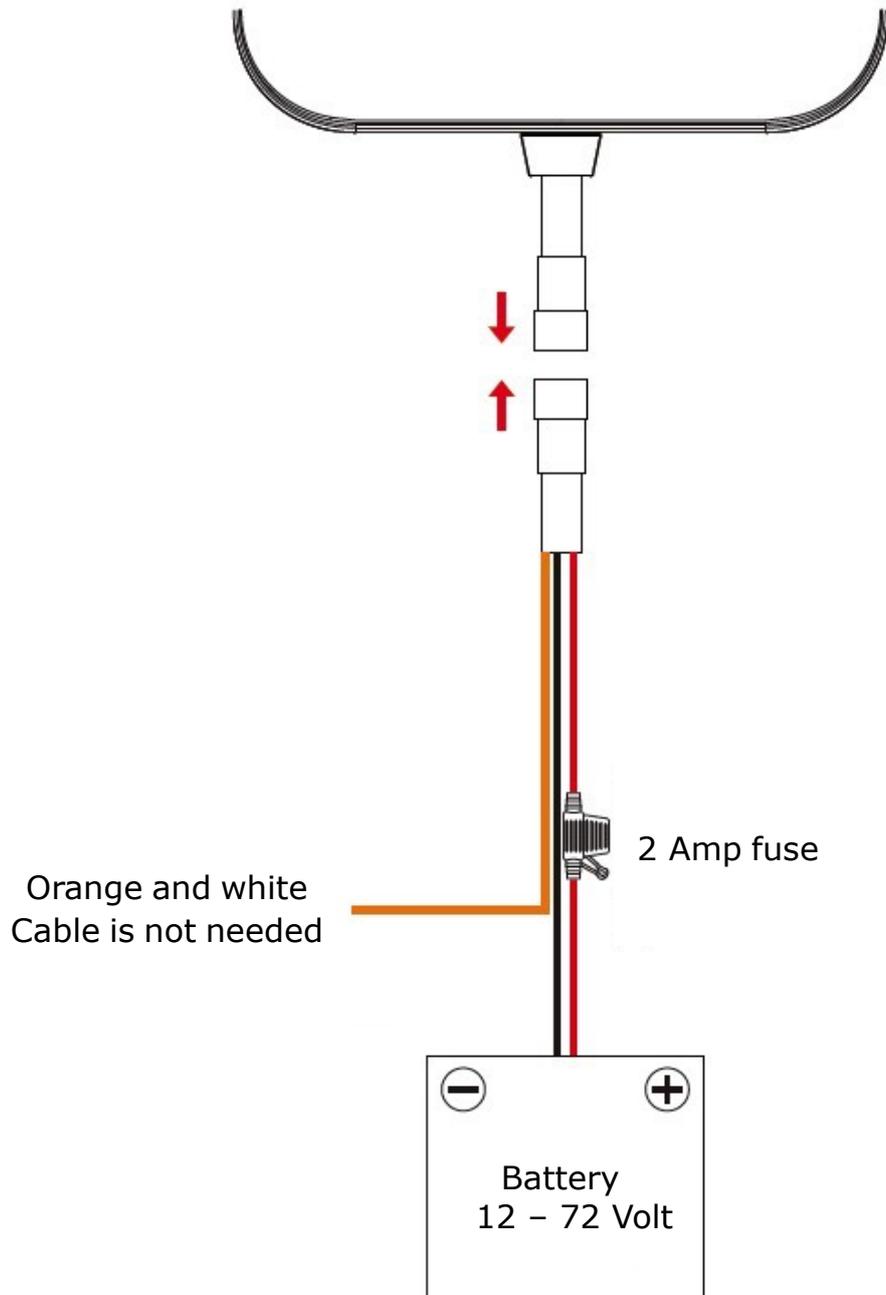
Inadequate cable routing and cable connections often lead to malfunctions or damage to components. A correct cable routing or cable connection is the basic requirement for a permanent and faultless function of the retrofitted components.

Note the following points:

- Lay the cables so that they can not be damaged. Do not lay the cables along sharp edges, hot or moving vehicle parts.
- Route cables along original wiring harnesses and connect as often as possible with insulating tape or cable ties.
- If you are laying cables from the vehicle interior into the engine compartment or boot, use existing grommets in the partitions.
- Use only suitable methods for connecting the cables. The safest method of connection is to solder the cables and then insulate them.

- For detachable connections only insulated cable lugs. Use plugs and blade receptacles. Do not use crimp connectors (cable connectors) or luster terminals.
- Use a crimp tool to connect the cables with cable lugs, plugs or blade receptacles.
- For cable connections to 31 (ground): Screw the cable with cable lug and toothed disc to an on-board earth screw or with the cable lug, self-tapping screw and toothed pulley to the body panel.
- Pay attention to good mass transfer!

7.5 Cable Assignment





Note: The red and black cables must be connected in order for the tracker to work with its basic functions.

Buffer battery

A battery is integrated in the device to protect it from manipulation. Charging takes place with application of the operating voltage and with the device switched on.

8 Installation

- Check that the GPS tracker is turned off (and not powered).
- Insert the SIM card (PIN disabled)
- Turn on the GPS tracker (slide switch next to the SIM card) and close the cover
- Connect the tracker to a power supply (battery, e-bike battery).
- Configure the device via SMS.



Note: Disable the PIN request of the SIM card and any existing call forwarding.
The ON / OFF switch turns the battery on / off. As soon as voltage is applied, the device starts to work independently of the switch position.

9 Configuration via SMS

You can configure the following functions and settings via SMS. When the operating voltage is disconnected, all settings are retained.

If the tracker is offline in the tracking platform or with status „not enabled“ in the App, the APN details haven't been transmitted successfully! Please set it manually with APN SMS commands.

9.1 APN setting

To connect the GPS tracker to the online platform www.gps123.org or the Anytracking app, the system needs the network settings of your provider. The APN is stored on the SIM card and is recognized by the system. If you have an M2M card or the system doesn't recognize the APN, you must send the APN details to the tracker manually

Example SMS for different network operators:

T-MOBILE US: APN,epc.tmobile.com, t-mobile,tm#

ATT USA: APN,wap.cingular#

Verizon: APN,internet#

Datamobile: APN, datamobile.ag#

Vodafone RO: APN,live.vodafone.com,live,vodafone#
Fonic: APN,pinternet.interkom.de#

Send an SMS to the mobile number, which is inserted in the GPS tracker.
The SMS should be structured as follows.

APN,access name# or
APN,access name,user name,password#
(see examples)

To check the APN settings. The is activated in the App or Tracking Portal.

9.2 Defining SOS1 master phone number

To be able to control the tracker from your mobile number, you must set the The SOS1 number. This prevents unauthorized access by third parties.

CENTER,A,+19101234567# respectively. CENTER,A,Phone number#

Send this SMS command from your mobile phone number with your mobile phone number to the tracker's phone number. If successful, you will receive a confirmation SMS.

Only one SOS1 master phone number can be specified.

To delete the SOS1 phone number, the following SMS command applies:

Send the following SMS: CENTER,D#

9.3 Data exchange on / off

You can turn on and off the data transfer as needed. If you only use the Tracker via SMS communication, it is recommended to switch off the data transmission in order to avoid unnecessary data traffic.

Turn on: TIMER,10# (default) Off: NOUP#

9.4 Set timezone

The time zone can be set individually, if e.g. with an US SIM card permanently in a different time zone or uses another online platform.

If you would like to use the functions of the online platform, the time zone should remain at GMT, E, 8.0 # (factory setting)

GMT,E/W,h,m#

E stands for East / W for West, "H" for the hour, "m" for the minutes (usually 0)

Example for Central Europe: GMT, E, 1.0 #



Note: The time zone should only be changed to GMT, E, 1.0 # if the system is operated exclusively via the SMS function.

9.5 Save phone numbers

You can save a phone number in the system. This will be called and receive an SMS as soon as:

- SOS button is pressed or the alarm input is activated
- Operating voltage is missing
- Internal sensor triggered or other programmed alarms active

The SMS command is: `CENTER,A,mobile number#`

Example of storing your mobile number: `CENTER,A,+12025550143#`

Please do not start with a + but use 00.

9.6 Delete phone numbers

To delete the stored phone numbers, send the following SMS command:

`CENTER,D,#` to delete the stored mobile number.

You can also delete the phone number by entering the number completely.

`CENTER,D,+12025550143#`

To check which phone number is stored and in which memory location, you can send the SMS `PARAM#` to the GPS tracker.

9.7 Set data upload

The factory setting for uploading the data is 10 seconds. This interval should not be changed, otherwise there is no correct representation of the distance covered the platform is possible. To save data volume, you can change the value of 10 - 60 seconds.

`TIMER,10#`

Example: `TIMER,10#` (There will be an upload every 10 seconds)

Example: `TIMER,60#` (It happens every 60 seconds)

9.8 Set vibrating alarm

Five sensitivity levels of the vibration alarm can be set. 0 means off. The sensitivity is adjustable from 1-5. The lower the number the more sensitive the tracker reacts.

`VIBRATION,2#`

Example: `VIBRATION,5#` (The tracker reacts at least sensitively)

9.9 GeoFence

The system provides the function of setting up a virtual fence. If the vehicle leaves this area or enters the area, you will receive an alarm message. The area is a circle around a predetermined position. The size of the circle is adjustable. To set, you need the current position of the vehicle or the latitude and longitude to determine the center point of the virtual fence.

You can set the geofence in the Anytracking app or gps123.org portal.

IN / OUT: If IN, you will receive a message when the vehicle enters the area. At OUT, you will GPRS/SMS +GPRS: receive a message.



Note: If the vehicle is parked in the parking garage, underground car park or a place with poor GPS reception, the radius should not be less than 700 meters. Due to the bad reception, there may be deviations in the position.

9.10 Default / Restart

You can restart the system or reset it to factory settings. When restarting, all stored data is retained. When the system is on Factory reset, all necessary changes must be resent via SMS.

Restart: [RESET#](#)

Factory Reset: [FACTORY#](#)

9.11 Configuration Check

To check the parameters, send an SMS to the system.

Set Parameters: PARAM#	
Answer-SMS:	
IMEI	IMEI Number of the device
APN	APN Name of the Sim Card
IP	IP Adresse of the Server
SOS	Alarms
Center Nummer	SOS1 Master Phone Number

Time Zone	Set time zone / factory setting is E8
Antwort-SMS:	
Language	Language
Eingestellter APN	Stored access point of the phone provider of the SIM card
Server	Deposited address and port to be transferred to the data
URL	Saved web link for position inquiry via SMS

10 Installation

After connecting and switching on the system, you can put it into operation.

The LED starts blinking according to GPS / GSM reception. After the system has logged into the GSM network and has GPS reception, it is ready for operation. Depending on usage, send the SMS to set the alarm number. If the device is to run without an online platform and only communicate via SMS / call, send **NOUP#** This switches off the data exchange.

10.1 Query the position via SMS

SMS: Position or **URL#** or **123#**

In response, you will receive an SMS with the position link of the vehicle to display on the display. This option is useful for a smartphone with an internet connection.

If no position is detected, it will take up to 5 minutes for you to receive a response. To get the last known position, send **URL#**.

SMS: **WHERE#**

In response, you will receive an SMS with the position data (latitude and longitude) and speed of the vehicle. The two values can be on the Internet or

Navigation device can be entered to see the position of the vehicle. This option is useful for mobile phones without an internet connection.

10.2 Voltage Drop

If the operating voltage is interrupted when the device is switched on, this activates an SMS to the stored numbers as well as a message to the platform.

10.3 Battery Monitoring

If the voltage of the internal battery falls below 12 volts, an SMS will be sent to the stored numbers and a message to the platform.

10.4 Setting the language

You can set the language in English or Chinese. The conversion of the language is also done via SMS

for English: `LANG,1#` for Chinese: `LANG,0#`

10.6 Motion Alarm

With the command `VIBRATION,1,1#` you determine how sensitively the motion alarm reacts and in which form the alarm should reach you. Sensitivity from 0-5. Alarm Mode 1,2 or 3. Alarm Mode 1 = alarm via telephone, alarm mode 2 = alarm via SMS, alarm mode 3 = both

`VIBRATION,Sensitivity,Alarm Mode#`

for example: `VIBRATION,3,2#` means: medium sensitivity and alarm via SMS

To turn off the vibration send: `VIBRATION,0#`

11 Web-Platform (www.gps123.org)

To log in to the platform, you need the IMEI number from the device. This is written on the device itself.

The default password is 123456. Login with the IMEI number and password.

You can track your vehicle online in real time. A playback function allows retrieving the routes retroactively. You can set up virtual zones / areas (GeoFence). If the vehicle moves out of the area, you will receive a message as an e-mail directly from the platform.

The tracker can be renamed to better assign it. Different statistics (parking times / locations, driven routes / kilometers) are available for evaluation Available.



If you use multiple trackers, you can get a user account set up by your dealer. This allows you to manage multiple devices with just one login.

Note about the SIM card:

Please check the online status after one year and consult your dealer if necessary, stating the IMEI number. It is important that the SIM card has sufficient credit or is charged at the latest after one year.