



# T-mark TW2 GNSS Tracker User Manual

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**T MARK**

**T-mark TW2 GNSS Tracker**



## Product Information

### TW2 GNSS Tracker

The TW2 GNSS Tracker is a cutting-edge device designed to provide real-time location tracking and driving behavior analysis. It comes equipped with multiple features such as no-wire installation, multi-GNSS, smart power-saving, multiple working modes, and anomaly alerts like vibration, over-speed, and power-off.

### Features

- No-wire installation
- Driving behavior analysis
- Multi-GNSS
- Location data re-upload
- Smart power saving
- Multiple working modes
- Anomaly alert (vibration, over-speed, power-off, etc.)

## Operating Environment

- Operating voltage: 3.5-4.3 VDC
- Operating current: 60mA
- Standby current: 8mA
- Operating temperature: -20 to 70
- Storage temperature: -40 to +85
- Positioning accuracy: <10m
- Location modes: GPS, BDS, AGPS, and LBS

Model	Battery	Size	Weight
TW2M	1200mAh	56*34*19mm <sup>3</sup>	49g
TW2S	3000mAh	74*44*21mm <sup>3</sup>	102g
TW2L	6000mAh	74*45*30mm <sup>3</sup>	151g
TW2P	10000mAh	83*59*30mm <sup>3</sup>	230g

## Product Usage Instructions

Please ensure that you read the product manual carefully before use for correct installation and quick online activation.

1. Install the TW2 GNSS Tracker in your vehicle using the no-wire installation feature.
2. The device will start providing real-time location tracking and driving behavior analysis.
3. If there are any changes in the appearance and color of the device, refer to its object for clarification.
4. The device comes with a smart power-saving feature that helps conserve the battery.
5. The TW2 GNSS Tracker operates effectively in multiple working modes.
6. In the event of any anomaly like vibration, over-speed, or power-off, the device will send out an alert.
7. Ensure an operating voltage of 3.5-4.3 VDC and an operating temperature range of -20 to 70 for optimal performance.

With the TW2 GNSS Tracker, you can effortlessly track your vehicle's location and driving behavior analysis in real time. It is highly efficient and provides accurate results.

Please read the manuals carefully before you use it, so as to get the correct installation and quick online activation. If the appearance and color of the product are changed, the object will prevail.

## Introduction

### Features

1. No-wire installation
2. Driving behavior analysis
3. Multi-GNSS
4. Location data re-upload
5. Smart power saving
6. Multiple working modes

7. Anomaly alert (vibration, over-speed, power-off, etc.)

## Operating Environment

- **Operating voltage:** 3.5-4.3 VDC
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- **Positioning accuracy:** <10m
- **Location modes:** GPS, BDS, AGPS, and LBS

## Frequency Bands

- **GSM:** B2/B3/B5/B8

## Overview

### Appearance



## Connotations of Indicators

### Power Indicator (Red)

- **Keep on** Connected to external power
- **Off Not** connected to external power

### GNSS indicator (Blue)

- **Fast flashing** The device is searching for satellite signals.
- **Keep on** The GNSS module is already fixed a position.
- **Off** Device is in sleep mode or not operating

### Network indicator (Green)

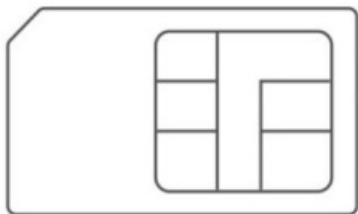
- **Fast flashing** The network is searching
- **Slow flashing** The network signal is normal
- **Keep on** The device online
- **Off Device** is in sleep mode or not operating

**Note:** By default, when the device is stationary for 3 minutes, the LED will automatically turn off and wake up after a vibration.

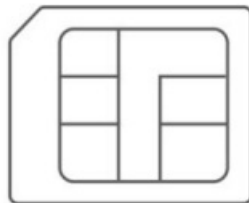
## Installation

### Inserting the SIM Card

#### Step 1 Prepare a proper SIM card;



Standard ✗



Micro ✗



Nano ✓

#### Step 2 Insert the SIM.



After the SIM card is inserted, the device powers on using the backup battery. If the device fails to power on due to low battery, you can connect the device to the external power.

**Note:** The SIM card must be inserted correctly, has GPRS services activated, and is not in arrears. If the SIM is identified and requires a PIN, please disable the PIN request.

## Installing the Device

Put under the car seat or other hidden places, place the environment do not have signal interference

## Product Features

Content	Function	Description
Positioning function	Timed tracking	Transmit back the positioning information such as latitude and longitude according to the set interval time.
	Street map	360 degree high-definition map
	Speeding alarm	When driving over speed, the locator will send alarm to your cell phone
	Vibration alarm	Built-in vibration sensor, continuous vibration of the vehicle, the device will immediately send alarm alerts
	Electronic fence	When the car driving range exceeds the specified area, the platform will send alarm information
	History track	Can play back 90 days of the track, playback the speed, direction, stay time and other content
	Displacement alarm	When the vehicle encounters illegal operation or theft, the fuel and electricity can be cut off remotely by computer or cell phone APP
	Fleet management	1 cell phone can manage multiple devices, or 1 device multiple cell phone management


## Analysis of common problems

Failure phenomenon	Failure analysis	Treatment method

GPS is not positioned	Determine whether to use the terminal in areas with poor GPS signals, such as near tall buildings or underground parking lots	Move the vehicle to a location with a good signal Use the terminal
	Determine whether the front windshield of the vehicle has metal heat insulation film affecting the signal reception	If there is a film, the equipment will be changed to other vehicles to test whether the blue light is always on, such as in other vehicles without film to test no problem, then the vehicle is caused by the film
	Determine whether there is a shield or signal jammer on or around the car	If there is a shield or source of interference, remove the shield or source of interference and try to reinstall
GSM is not working	Determine whether the SIM card is installed properly	Check whether the SIM card is installed in place
	Determine if there is dirt or poor contact on the metal surface of the SIM card	Wipe the metal chip surface with a clean cloth or repeatedly insert and remove the card several times
	Determine if the vehicle is in a place with no mobile network, such as an underground parking lot.	Please drive the vehicle to a place with good network signal and try to reinstall it.
	Determine whether the server background is normal	Ask if the server of the background management platform is normal

	Determine whether the SIM card status is normal or not	Check whether the status of the SIM card is normal through the SIM card inquiry platform
	Determine whether there is a shield or signal interferer on the car or around	If there is a shield or source of interference, remove the shield or source of interference and try to reinstall

## Documents / Resources

 <p><b>TW2</b> GNSS TRACKER New Model</p> <p>Received frequency within 100m range of the car, and the car will be tracked in the system and the GPS signal will be sent to the server.</p>	<p><a href="#">T-mark TW2 GNSS Tracker</a> [pdf] User Manual</p> <p>TW2 GNSS Tracker, TW2, GNSS Tracker, Tracker, TW2 Tracker</p>
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