T-MARK T2-1 GNSS Tracker User Manual

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T-MARK T2-1 GNSS Tracker

T2-1 GNSS Tracker

The T2-1 is a GPS tracker that can be installed without wires. It provides driving behavior analysis, multi-GNSS, location data re-upload, smart power saving, multiple working modes, and anomalyalerts (vibration, over-speed, power-off, etc.).

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
- **Internal backup battery:** 1200mAh battery
- **Operating current:** 35mA
- **Standby current:** 2mA
- **Operating temperature:** -20 to 70
- **Storage temperature:** -40 to +85
- **Positioning accuracy:**

Usage Instructions

Before using the T2-1 GNSS Tracker, please read the manual carefully to ensure correct installation and quick online activation. If the appearance and color of the product are changed, refer to the manual for guidance.

The tracker operates on an operating voltage of 3.5-4.3 VDC, with an operating current of 35mA and standby current of 2mA. The operating temperature range is from -20 to 70 degrees Celsius and the storage temperature range is from -40 to +85 degrees Celsius. The tracker has a positioning accuracy of [insert positioning accuracy].

The T2-1 GNSS Tracker provides various features such as driving behavior analysis, multi-GNSS, and anomaly alerts. To use these features, refer to the manual for detailed instructions on how to access and utilize them. To ensure optimal performance, it is recommended to recharge the internal backup battery (1200mAh) as needed.

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

Operating Environment

- **Operating voltage:** 3.5-4.3 VDC
- **Internal backup battery:** 1200mAh battery
- **Operating current:** 35mA
- **Standby current:** 2mA
- **Operating temperature:** -20℃ to 70℃
- **Storage temperature:** -40℃ to +85℃
- **Positioning accuracy:** <10m
- **Location modes:** GPS, BDS, AGPS, and LBS

Frequency Bands
GSM: B2/B3/B5/B8

Overview

Appearance

Connotations of Indicators
Working status indicator (Blue)

- **Slow flashing:** The device is working
- **Off:** Automatically turns off after 3 mins of power on.

Charging status indicator (Red)

- **Slow flashing:** Device battery is charging
- **Keep on:** Device battery fully charged
- **Off:** Automatically turns off after 3 mins of power on

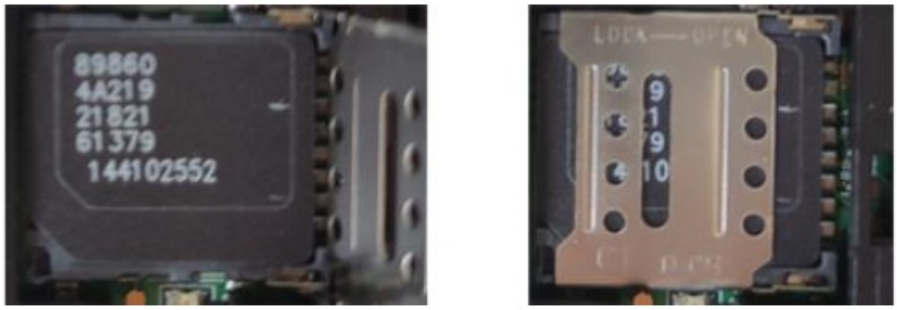
Note: By default, when the device is stationary for 3 minutes, the LED will automatically turn off and wake up after a vibration.

Installation

Inserting the SIM Card

1. Step 1 Prepare a proper SIM card;

2. 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
	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

GPS is not positioned	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

	T-MARK T2-1 GNSS Tracker [pdf] User Manual T2-1 GNSS Tracker, T2-1, GNSS Tracker, Tracker