Manuals+ — User Manuals Simplified.

T-mark T1-6C GNSS Tracker User Manual
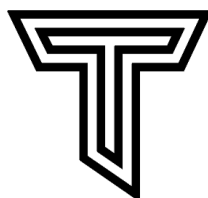
T-mark T1-6C GNSS Tracker

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.

Product Information

The T1-6C GNSS Tracker is a device designed to track the location, fuel supply control, driving behavior analysis, and anomaly alert of vehicles. It has multi-GNSS capability and ACC detection to provide accurate and real-time location data. The device also has a smart power-saving feature and can detect anomalies such as vibration, overspeed, and power-off.

Features

- Fuel supply control
- Driving behavior analysis
- Multi-GNSS
- ACC detection
- Location data re-upload
- Smart power saving
- Anomaly alert (vibration, over-speed, power-off, etc.)

Operating Environment

- **Operating voltage:** 12-90VDC

- **Internal backup battery:** 3.7V/150mAH battery
- **Operating current:** 22mA @12V
- **Standby current:** 5mA @12V
- **Operating temperature:** -20 to 60
- **Storage temperature:** -40 to +85
- Positioning accuracy

Product Usage

Please read the user manual carefully before using the T1-6C GNSS Tracker. Follow the instructions below for correct installation and quick online activation:

1. Connect the device to the vehicle's power supply with an operating voltage range of 12-90VDC.
2. Ensure that the device is properly installed and securely attached to the vehicle.
3. Activate the device online as per the instructions in the user manual to start using it.
4. Check the device regularly for location data and anomaly alerts.
5. In case of any issues or queries, refer to the user manual or contact customer support.

Introduction

Features

1. Fuel supply control
2. Driving behavior analysis
3. Multi-GNSS
4. ACC detection
5. Location data re-upload
6. Smart power saving
7. Anomaly alert (vibration, over-speed, power-off, etc.)

Operating Environment

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- **Operating current:** 22mA @12V
- **Standby current:** 5mA @12V
- **Operating temperature:** -20℃ to 60℃
- **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

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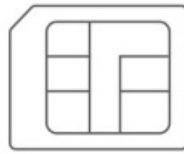- **Off:** Device is in sleep mode or not operating

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
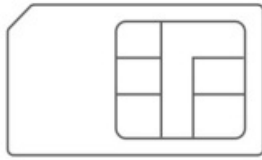
Standard ❌ Micro ✅ Nano ❌
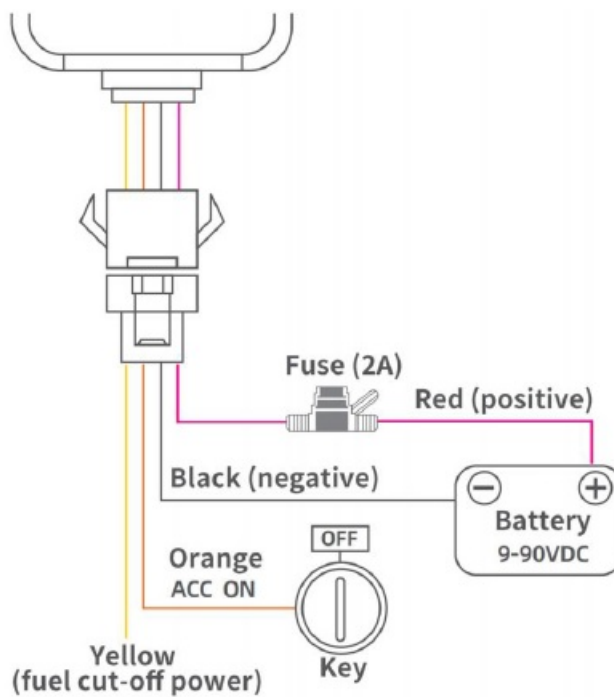
- **Step 1:** Prepare a proper SIM card;

- **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

Product wiring diagram

Fuse (2A)
Red (positive)
Black (negative)
Battery
9-90VDC
OFF
Orange
ACC ON
Yellow
(fuel cut-off power)
Key

1. Use a multimeter to find out the positive and negative terminals of the vehicle battery and the ACC line.
2. Connect the red wire (positive)of the device configuration power cable to the positive terminal of the vehicle battery.
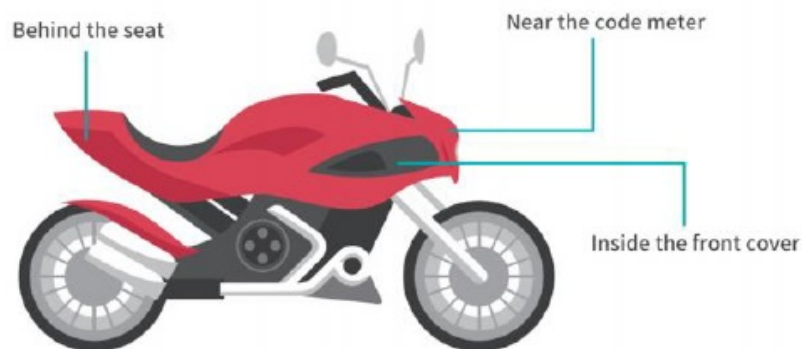3. Plug in the connector as shown in the figure below.

Car mounting position

Under the rear windshield
Around the dashboard
Under the front trim panel
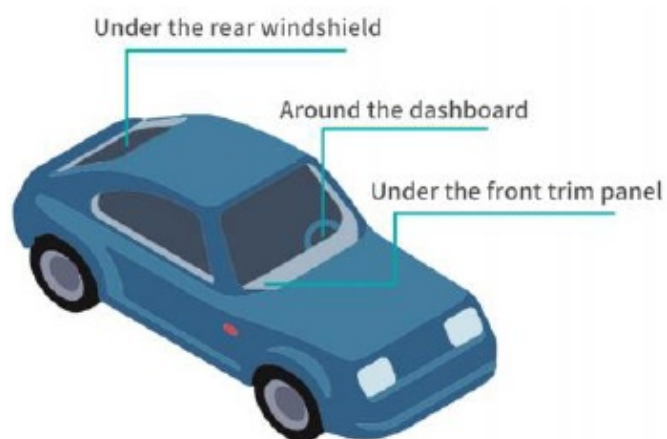
Electric car installation location
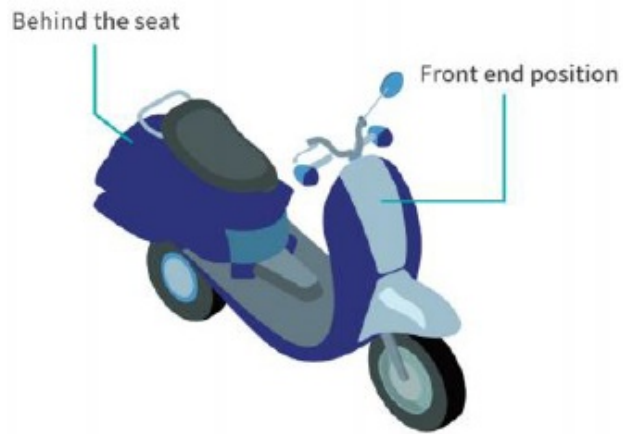
Motorcycle installation position

Product Features

Content	Function	Description
	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
Positioning function	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

Blue light flashes slowly	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
Blue light flashing fast	Chip failure	Return to factory for repair
Yellow light is flashing fast	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 back ground is normal	Ask if the server of the background management platform is normal
The yellow light flas hes slowly.	Determine whether the SIM card sta tus is normal or not	Check whether the status of the SIM card is norm al through the SIM card inquiry platform
	Determine whether there is a shield or signal interferer on the car or aro und	If there is a shield or source of interference, remo ve the shield or source of interference and try to r einstall

Documents / Resources

T-mark T1-6C GNSS Tracker [pdf] User Manual
T1-6C, T1-6C GNSS Tracker, GNSS Tracker, Tracker