

T04S

LTE GNSS TRACKER

User Manual



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 Inertial navigation
- 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

Operating voltage: 12-36VDC

Internal backup battery: 3.7V/100mAH battery

Operating current: 50mA @12V

Standby current: 5mA @12V

Operating temperature: -20°C to 60°C

Storage temperature: -40°C to +85°C

Positioning accuracy: <10m

Location modes: GPS, BDS, AGPS, and LBS

Frequency Bands

Communication network	LTE Cat1 + GSM
LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B28/B66
GSM	B2/B3/B5/B8

Overview

Appearance



Connotations of Indicators

GNSS indicator (Blue)

Fast flashing	The device searching for satellite signal anomalies.
Slow 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)

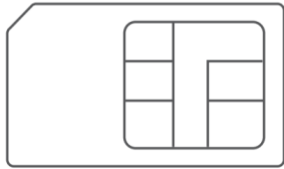
Fast flashing	The GMS anomalies
Slow flashing	The GMS is initializing
Keep on	The device works correctly
Off	Device is in sleep mode or not operating

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

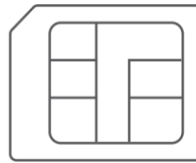
Installation

Inserting the SIM Card

Step 1 Prepare a proper SIM card;



Standard ✕

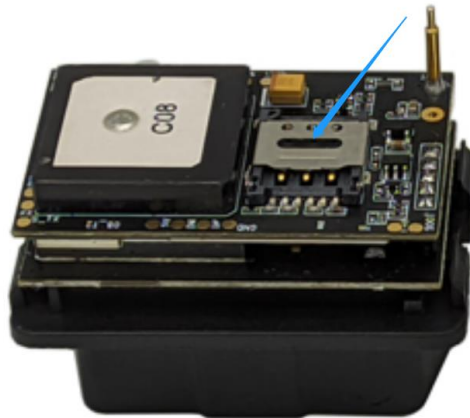


Micro ✓



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 OBD port of the vehicle to obtain 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

Connect the device to the OBD port when the vehicle is ignition off.

Observe the indicators against 2.2 to ensure that the device enters work mode correctly.



A: Most car models of General Motors, Volkswagen, Ford, Toyota, Hyundai, Citroën, BMW, etc.

B: Honda, Volkswagen Touran, Lexus, etc.

C: Dongfeng Citroën, Dongfeng Peugeot, etc.

D: Dongfeng Citroën, etc.

E: Others

Description

The following functions can be configured via the platform or app provided by your dealer. If the configuration via the platform or app fails, you can configure via SMS. You will receive reply messages indicating whether a function is configured successfully.

Power Cut Alert

If the device is unplugged from the vehicle or the power to the device is cut, the device will send an alert notification to the platform or app, or send an SMS carrying the alert reason and location to the SOS number.

Low External Power Alert

If the voltage of the external power is under the preset threshold, the device will send a low external power alert notification to the platform or app. Low Backup Battery Alert If the state of charge(SoC)of the backup battery of the device is lower than 10%,the device will send a low battery alert notification to the platform or app. Geofence Alert

You can draw a circular or rectangular area via the platform or app and set it as a geofence. If your vehicle is detected to enter or leave a preset geofence, the device with the related alert feature enabled will send an alert notification to the platform or app. The device will also give out an audio reminder indicating that your vehicle has entered or left the monitored range.

Speed Alert

After a speed threshold is set, the device will send an alert notification to the platform or app. If it detects that your vehicle keeps moving at speeds above the threshold for a preset duration.

Vibrating alert

When the device in manual defense mode has its defense on and has enabled with the vibrating alert feature, if the device detects the vehicle vibrates for 5 times in 10s (the trigger condition is configurable), it will send an alert notification to the platform or app. When the device in auto defense mode has its defense on and has enabled with the vibrating alert feature, if the device detects the vehicle vibrates for 5 times in 10s (the trigger condition is configurable) and the vehicle is not ACC on in 30s, it will send an alert notification to the platform or app. If the vehicle has its ACC on in 30s, no vibrating alert will be triggered.

Defense On and Off Alerts

If the device is in manual defense mode, you can enable or disable the defense with the following methods: Enable and disable defense via SMS Send the SMS "SF" via an SOS number to the device, the device will enable defense after receiving the command and reply with a message indicating the execution result. To disable the defense, send the SMS "CF" via any preset SOS number to the device, the device will disable the defense after receiving the command and reply with a message indicating the execution result. Enable and disable defense via the platform or app. Whether the command is executed successfully or not, the device will reply with a message indicating the result.

Troubleshooting

When any of the following faults occurs, please troubleshoot it by the solution. If the fault persists, please contact your dealer or service provider.

Issue	Description	Solution
Poor satellite signal	The device is blocked by metal objects.	Remove the metal objects away from the device.
Power-on failure	The battery is low.	Connect the device to an external p
	The SIM card slot is damaged.	Contact your dealer for a replacement.
Failed to access the network	The SIM card is attached incorrectly.	Re-attach it.
	The metal side of the SIM card is stained.	Wipe it with a clean cloth. Replace it.
	The SIM card is damaged or invalid.	Try it in a service area.
	The device is out of GSM service areas.	Try it in an area with strong signals.
	The signal is poor.	Check if the device is securely connected with the OBD port of the vehicle.
LED off	The contact is poor.	Check if the device is securely connected with the OBD port of the vehicle.
Failed to query a location	Your SIM card has no GPRS services activated.	Please contact the network operator and activate GPRS services.
	The SIM is in arrears.	Recharge the SIM.
	The device does not respond to a command.	Check the device and make sure that the device can access the network and the SIM card has text services activated.