

GREENTEL GPS Vehicle Tracker

Quick Guide

For GT06 Smart GPS Vehicle Tracker

1. Overview:



GT06



Accessory: power cable

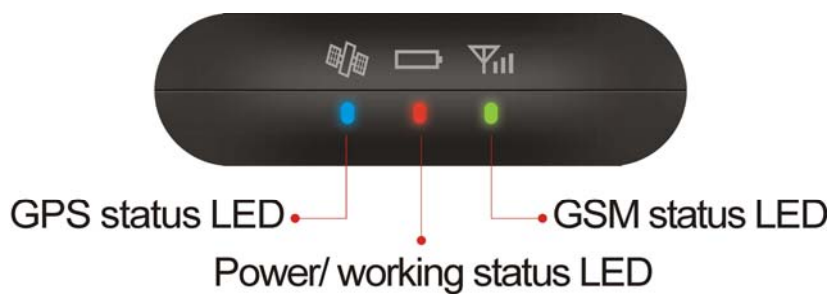


Accessory: Relay



Accessory: Microphone

2. LED Indicators:



Red LED (power/working status)

LED Status	Meaning
Flashing (interval 0.1s)	Low battery indication
Continuously in bright state	Charging
Slow Flashing (interval 0.2s)	Full charge
Continuously in dark state	Low battery/Power off
Slow Flashing (flash 0.1s after every 2s)	Working normally

Blue LED (GPS status)

LED Status	Meaning
Flashing (interval 0.1s)	Searching GPS signal
Continuously in bright state	GPS located
Continuously in dark state	GPS not located

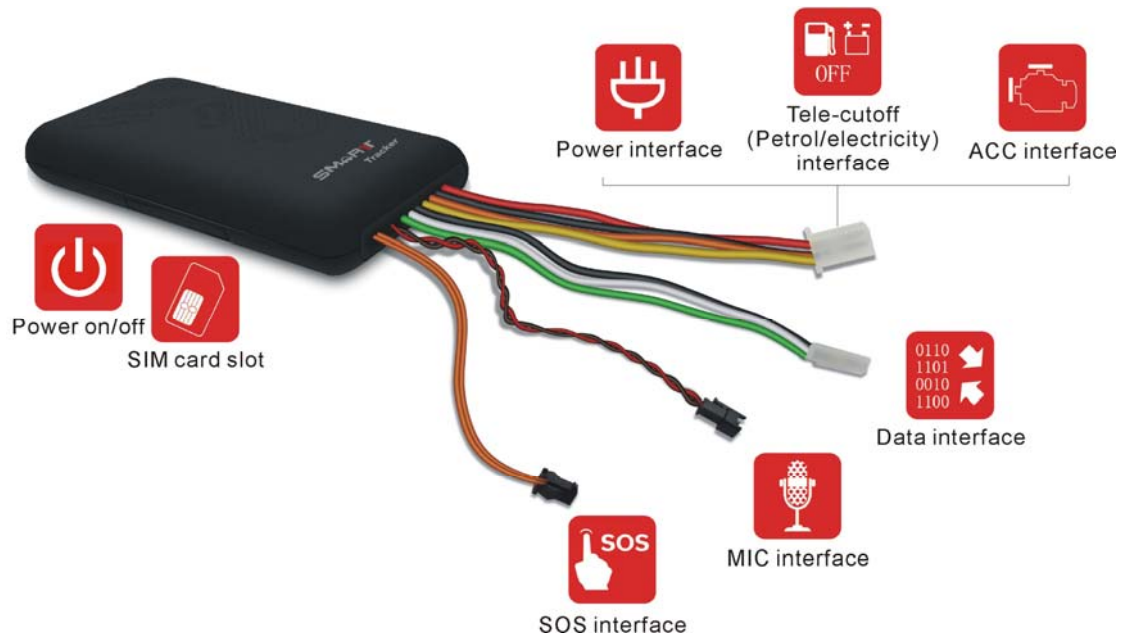
Green LED (GSM status indicator)

LED Status	Meaning
Quick flashing	GSM initialization
Slow Flashing (interval 0.2s)	Receive GSM signal normally
Continuously in bright state	GSM conversation/Start GPRS
Continuously in dark state	No GSM signal

Ignition detection indication

Three (blue/red/green) LEDs are in cycling flashing.

3. Interface Introduction



4. Installation:

Preparation before installation:

- A. Open the packing box to check whether the type of device is correct and whether the accessories are included.
- B. Please follow the following procedures to install your GT06. During installation, there should be no power to the device.
- C. Installing SIM card: each GT06 needs to insert a GSM SIM card. The SIM card should activate GPRS service.
- D. Testing SIM card: to test SIM card, please install it into a normal GSM mobile and ensure it can send and receive SMS, and enables for GPRS.
- E. Installing SIM card: remove the upper cover of device, insert SIM card as shown then replace cover, lock the shell with 3 bolts.
- F. Selecting installation place and fixing it. There are two kinds of installation: covert and non covert. If you need the covert installation, please refer installation to an auto electrical contractor.

Notice:

To prevent theft of the GT06, the device should be installed as covertly as possible.

Avoid placing the GT06 close to higher power electrical devices, such as reversing radar, anti-theft device or other vehicle communication equipment;

The GT06 should be fixed into position with cable ties or wide double-side tape.

Your GT06 has built-in GSM antenna and GPS antenna. During installation, please make sure the receiving side face is up, with no metal object above the device to interfere with GPS reception.

The following places are suggested for installation:

- Under the dash board below the front windshield;
- In the parcel shelf in the rear;
- In the front bumper (non-material face), please ensure the device cannot get wet;
- Under the wiper version (non-metal), please ensure the device cannot get wet;

Notice: if the windshield is pasted with metal thermal-protective coating, it may affect the performance of the device. In this case, please change the installation place after consulting the professional.

G. Non Covert Installation,

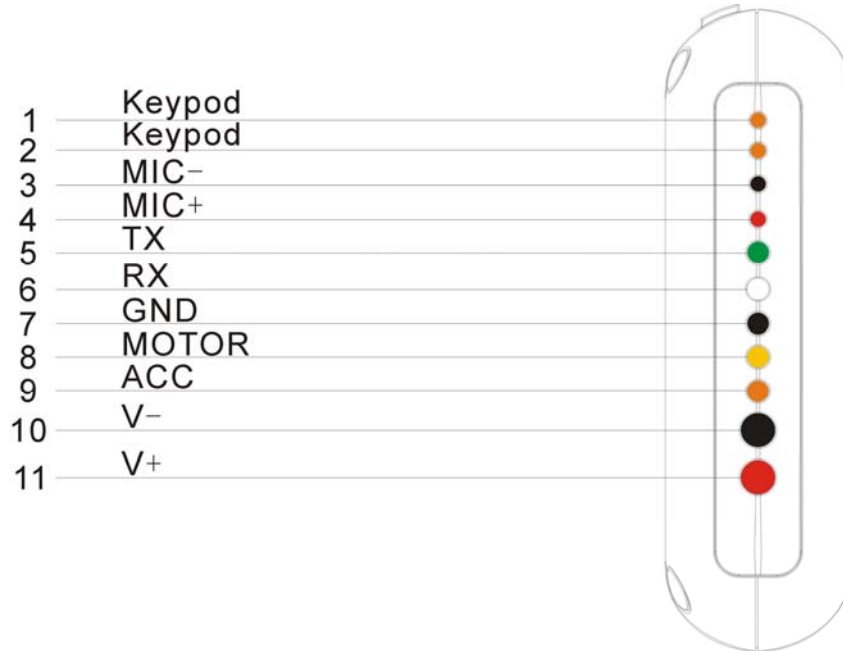
Firstly fix the GT06 on the dash board below windshield

5. Device Wiring:

- A. The standard voltage is 5V-36V, the red wire is the positive, and the black wire is the negative.
- B. Please connect the black wire to ground.
- C. After connecting the power cord, run the power cord plug to the device. After installation, supply power to device.
- D. Covert installation: car battery cord is standard, with 2A FUSE for short-circuit over current protection.

- E. Non covert installation: cigar lighter cord is optional, with 2A FUSE for short-circuit over current protection. Please contact your dealer if this mode is needed.

PIN Assignment



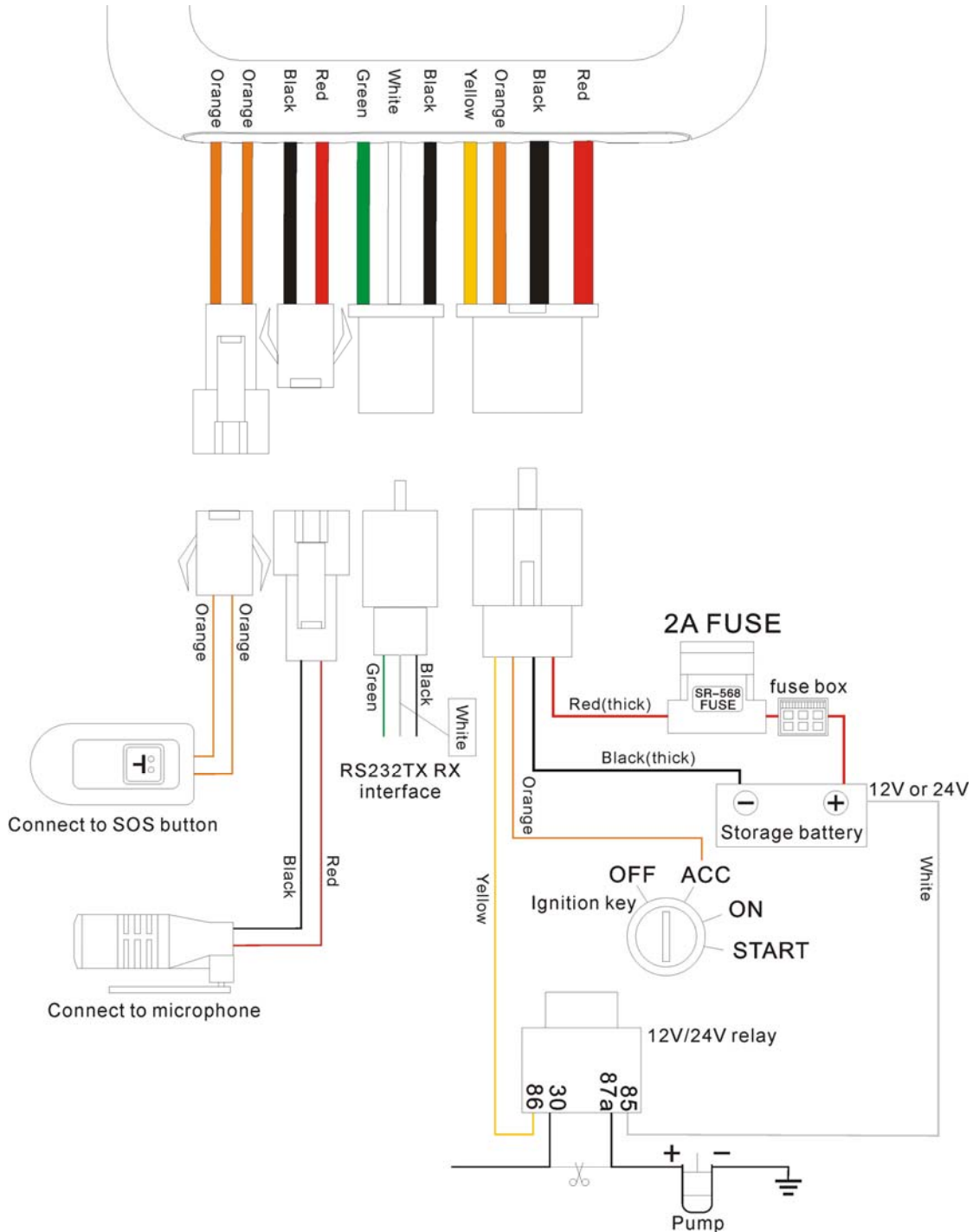
Line No.	Specification	Color	Instruction
1. 2	Keypod	Orange/ orange	Connect to SOS button
3. 4	MIC-,MIC+	Black/ red	Connect to Microphone
5	TX	Green	Sending data (TX)/backup
6	RX	White	Receiving data (RX)/backup
7	GND	Black	Ground wire
8	MOTOR	Yellow	Connect to relay control line
9	ACC	Orange	Connect to ACC ignition
10	V-	Black(thick)	Vehicle 12V/24V negative storage battery
11	V+	Red(thick)	Vehicle 12V/24V positive storage battery

Relay wiring notice:

The relay wiring of pump: Coil connectors of both ends are a thin white line (85) and a thin yellow line (86). The thin white line (85) is connected to vehicle positive power (+12V). The thin yellow line is connected to the device relay control line.

Cut off the positive connection line of the pump; then connect in series to the relay N.C. contact (thick green line 87a) and the other end to relay COM contact ((thick green line 30).

Device wiring diagram



Cautions of device wiring

1. power/ACC/ Tele-cutoff (petrol/ electricity) control line (4 pin)
 - 1.1 The standard voltage is 9V-36VDC. Please use the power line which provided by the manufacture. The red line is the positive. The black line is the negative. The negative should earth alone or link iron when installing. Do not connect to other ground wire.
 - 1.2 ACC line (orange) is connected to the ACC switch of the vehicle. Please make sure to

connect the ACC line. The tracker will decide whether to enter ignition detection according to ACC status. If do not connect to ACC line, the device will enter ignition detection status. If the vehicle vibrates when moving, it will activate the vibration alarm. If there is no need for the theftproof function, connect the ACC line to the positive in parallel and keep high level. 1.3 Tele-cutoff (petrol/ electricity) control line (yellow) is connected to pin 86 of the Tele-cutoff (petrol/ electricity) relay (equal to the yellow line of the relay socket).

2. USB cable (3 pin)

Firmware updating interface/expanded function to reserve space.

3. MIC line (2 pin)

External connect to microphone for voice monitor function

4. SOS line (2 pin)

Externally connect to SOS switch for SOS function.

6. Power On/Off:

- A. The GT06 will power on automatically when connected to power. During normal operation, red power LED flashes, while blue GPS LED and green GSM LED keep lighting. During signal searching process, GPS or GSM LED will flash. If there is no light presenting on LEDs, the device is not working normally.
- B. The device will power on by battery after power is disconnected.

7. GPS Troubleshoot:

- A. If GPS cannot receive the signals normally, please drive to the open areas for positioning. Generally, it needs 1-2 minutes to receive the first coordinates. If the data cannot be received after 2-3 minutes, please check the installation position of the device, making sure it is not being shielded by any metal.
- B. If GSM cannot receive the signals normally, please check whether SIM card is installed correctly or there is no GSM signal at the location you are, such as a basement parking, please drive to a place covered by GSM signal reception.
- C. If the red LED does not work when power is connected, please check whether the fuse is blown. If so, please replace the fuse.
- D. If the three LEDs do not turn on when power up, press the down side key, if the three LEDs recover normally, the device is working normally.
- E. If you have enabled the web based tracking application, and the GT06 displays off-line on the platform, please check 3 LEDs status indicators first. You can check the status of the SIM card when you are in an inconvenient situation. Please refer to the following steps:
 - 1). Call the SIM card number of the device to check whether you can get through.
 - 2). Check whether the SIM card supports GPRS and a local APN.
 - 3). Check the GSM/GPS reception area.
 - 4). Check whether your SIM card charge is overdue.
 - 5). Check if the connector and terminal is loose or the fuse has blown out.

8. GPRS Configuration via SMS:

GPRS Configurations (send configuration SMS to GT06):

SMS Content: GPRS,000000,APN,0,GT06.szdatacenter.com:8821,User name,Password#

000000: GT06 default password

APN: APN of GSM operator

0: 0 or 1 optional, 0 stands for TCP communication, 1 stands for UDP communication

GT06.szdatacenter.com: internet domain name for the GPS server platform

:8821: server port

User name: dialup user name of GSM operator

Password: dialup password of GSM operator

#: ending symbol

After sending the SMS, the situation could be:

- 1) If you receive "Success", go to web www.goosky.net to track the device.
- 2) If you receive "Fail", it means that the device cannot identify the content of the SMS. In this case, please check the content of SMS, especially the format of Minuscule/ Majuscule. Find the problems and resend the SMS, you would get "success".
- 3) If you cannot get any feedback after 5min, please check the device.

A Whether the indicating lights work orderly (The Green and Blue light should stay in solid bright)

B If the Green light is not on solid bright, please check whether you insert the SIM card in an appropriate way.

C If the green light is on solid bright already; please give a call to this SIM card to see whether it could be called. If you have successfully make a call to this card, but you still cannot track this device. Please also check whether the messages are full in this SIM card (because the problem might be caused by the exceeding of SMS). Finally, you could track this device.

Modification of password

SMS "XGYHMM, old password (6 digits), new password (6 digits)#", The default password is "000000".

e.g.: XGYHMM,000000,123456#

Add specific number

The specific number is the SOS number. Three groups of specific numbers are available. SMS command to the device to add specific numbers. In alarm status, the device will SMS the location to the specific numbers, and it will call the specific numbers continuously until it gets through.

Command format: ZJHM, user password, number#

e.g.: ZJHM,000000,136XXXXXXXX#

Reply information for successful setting:

Add the first group of specific number: "OK! Total number=1"

Add the second group of specific number: "OK! Total number=2"

Add the third group of specific number: "OK! Total number=3"

There are three group of specific number in maximum. If it receives "ERROR! ALREADY 3 NUMBERS", it means you can not set any more.

Delete specific number

Before deleting specific number, please check its corresponding code. For the code, please SMS "CXSZ, users' passwords #" to the device.

Command format: SCHM, user password, code#

e.g.: SCHM,000000,1# (it means deleting the specific number of code 1)

Note:

After deleting the specific number, the remaining two numbers will be adjusted automatically with no skip code.

Reply information:

It will receive "Delete number 135XXXXXXXXX success! specific number total 2" for successful deleting of the specific number.

.....

After delete the last group of specific number, it will receive: "Delete number 135XXXXXXXXX success! specific number total 0"

When there is no specific number, it will receive: "Notice: Specific phone book empty!"

Check the parameter setting

SMS parameter setting command to the device to check the device setting.

Command format: CXSZ, users' passwords #

e.g.: CXSZ,000000#

Reply information:

IMEI: 35341903XXXXXXXX

GPRS time : 10

GPSOFF time: 20

SOS Number: 1. 135xxxxxxxx

2. 136xxxxxxxx

3. 137xxxxxxxx

Center Number:

Sensor time interval: 10

Sensor alarm time: 10

Time Zone: E: 8

It contains IMEI number/GPRS time/GPSOFF time/SOS number/Center number/Sensor time interval/Sensor alarm time/Time Zone

GPRS time sending interval

The default GPRS time sending interval is 10s which means the device will upload positioning data to the platform server every 10s. Users can modify GPRS time sending interval by SMS "GPRSDS, password, time(second)#". The time ranges from 10-18000s

For example: GPRSDS,000000,10#. It means the device will upload data to the server every 10s

GPSOFF time

GPSOFF time is valid only in low-level ACC cable. When the vehicle power is off, dial the device to activate it, and then the device will upload data to the server during the GPSOFF time (default as 20mins). Users can modify GPSOFF time by SMS "GPSOFF, password, time(minute)#". The time ranges from 1-999mins

For example: GPSOFF,000000,20#. It means the device will work for 20mins after activated

In addition, when ACC cable is in low level, the device will be activated to upload data by trigger alarm

GPSOFF time is meaningless in high-level ACC cable. Once turn on the vehicle, GPS keeps continuously working.

Sensor alarm time

When the vehicle power is off, the ACC cable is in low level. If the vehicle power keeps off for 10 minutes, the device will come to the state of sensor alarm preparation automatically. In that case, if several times of vibration happened, the device will trigger vibration alarm mechanism. After that, if the vehicle power is still off (low-level ACC cable) in the following 3mins, the device will alarm instantly.

The sensor alarm preparation time can be modified by SMS "SFDS,password,time(minitus)#" The time ranges from 1-180 mins.

For example: SFDS,000000,15#. It means when ACC cable is in low level for 15mins, then the device comes to the state of sensor alarm preparation

Time zone

The time showed in the positioning data is defaulted as Beijing Time (Time zone is GMT+8). If the device is in the place where the time is different from Beijing Time, users can modify the time zone by SMS "SQSZ,password,director,code#"

For example: SQSZ,000000,W,11#. It means the time zone is GMT-11

E means East(GMT+), W means West(GMT-).

The code ranges from 0-12

View location method

By SMS

Send SMS "DWXX,password" to the SIM card number of the device to check its location. The device will give a reply about the last positioning information. If it does not work, it will reply "NO DATA"

For example: SMS "DWXX,000000#"

Reply: Normal mode! Lat: 23d5.1708m, Lon: E114d23.6212m, Course: 120, Speed: 53.02, Data Time: 10-04-12 14:52:36

By platform

Go to the platform website offered by dealers to check your vehicle location.

SOS alarm

In emergent case, press SOS for 3s to activate SOS alarm. Then the device will send SOS SMS to preset specific numbers and then dial the numbers in circles until the call is through. At the meantime, the device will upload SOS alarm data to the server.

SMS example: SOS Alarm Model! Lat:N22d 34.5823m, Lon:E113d 55.0061m, Course:234.93, Speed:10.760, Data Time:10-04-12 07:50:08

SOS Alarm Model!- It indicates a SOS alarm happened.

Lat:N22d 34.5823m, Lon:E113d 55.0061m, Course:234.93, Speed:10.760, Data Time:10-04-12 07:50:08-It is the last positioning information

Note: The specific numbers should be preset, just refer to 7.2

Cut-off alarm

When the electricity supply of device is cut off, it will activate cut-off alarm. In this case, the device will send related SMS to the specific numbers and dial the numbers in circles. If no one answers, the call just keeps 3 loops at most. At the meantime, the device will upload SOS alarm data to the server.

Cut electricity alarm sms e.g.:

Charger off! Cut Power Mode! Lat: N22d 34.5823m, Lon:E113d 55.0061m, Course: 234.93, Speed:10.760, Data Time:10-04-12 07:48:38

Description: Charger off! Cut Power Mode! Means power has been cut.

Lat: N22d 34.5823m, Lon:E113d 55.0061m, Course: 234.93, Speed:10.760, Data Time:10-04-12 07:48:38 is the last location information of the device.

Note: SMS and call alarm function need setting special number beforehand.

Vibration alarm

When vehicle power is off, ACC status is also low, and if the lead time of low ACC is more than 10 minutes (settable), device will activate security alarm. When the security alarm is on, once the vehicle vibrates for several times, the alarm will be activated, in the later 3 minutes, vehicle power is still off (ACC status is low, device will start alarm. At this time, it will send alarm sms to SOS special number, and dial the SOS special number in cycle until through, the tracking platform will also receive vibration alarm message.

e.g.: Sensor Alarm Mode! Lat: N22d 34.5823m, Lon:E113d 55.0061m, Course: 234.93, Speed:10.760, Data Time:10-04-12 07:48:38

Description: Sensor Alarm Mode! Means sensor alarm is activated.

Lat: N22d 34.5823m, Lon:E113d 55.0061m, Course: 234.93, Speed:10.760, Data Time:10-04-12 07:48:38 means the last location information of device

Note: SMS and call alarm function need setting special number beforehand.

Voice monitoring

When the special number cellphone dial device, ringing fifth, it will enter voice monitoring status. At this time, caller can monitoring the sound in vehicle.

Incoming call from non special number, will not activate voice monitoring function.

Note: to realize this function, please set special number beforehand.

Oil cut-off

If vehicle is theft, you can send oil cut-off command to tracking platform. If the vehicle running safely, cut off the oil, the vehicle will be stopped.

To make sure the security of vehicle, tracker can only indicate to cut off oil when GPS is in valid position status, and the speed is less than 20KM/H or in static.

Note: SMS and call alarm function need setting special number beforehand.

Restoring Oil

When the alarm is off, sending recover oil command manually. Device will restore oil supplying, and vehicle will work normally again.

Web based tracking online activation

The GPRS web based tracking platform allows real time tracking with the latest Google maps. There is also a playback feature that allows you to view where the vehicle has been for up to 30 days in the past making it ideal for fleet management.

GREENTEL LIMITED

Address: 11 Daling Rd, Huizhou, China, 516001

WEB: <http://www.greentel.cn>

EMAIL: info@greentel.cn

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