

# GPS Vehicle tracker (GPS+GSM+SMS/GPRS)

## GT003 User Manual (Version 3.6)



Thank you for purchasing the tracker. This manual shows how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

## **1. Summary**

Working Based on existing GSM/GPRS network and GPS satellites, this product can locate and monitor any remote targets by SMS or internet.

Overview of the characteristics:

1. GPS position.
2. GSM 850/900/1800/1900MHZ.
3. Vibration sensor inside.
4. Power-Cut alarm.
5. Auto set APN.
6. Wide voltage range:9-40V.
7. Oil-cut function.
8. ACC detection.
9. Water proof.

## **2. Accessories:**

Power line:



Relay:



Manual



Screws



### 3. Specs

- 1) **.GSM:** 850/900/1800/1900MHZ
- 2) **.GPRS:** Class12, TCP/IP
- 3) **.Working Voltage:** 9-40V DC
- 4) **.Working current:**  $\approx 22\text{mA}$  (12VDC)
- 5) **.Working current:**  $\approx 12\text{mA}$  (24VDC)
- 6) **.GPS locating time:** Cold start  $\approx 38\text{s}$  (Open sky)  
  
Warm start  $\approx 32\text{s}$   
  
Hot start  $\approx 2\text{s}$  (Open sky)
- 7) **.GPS Precision:** 10m (2D RM)
- 8) **.Working temperature:**  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- 9) **.Working humidity:** 20%~80%RH
- 10) **.Measurement:** 87(L) x 43(W) x 14(H) mm

### 4. My Device



## 5. Device status indicators

GPS LED Indicator	
Continuously bright	GPS unfixed
Flashing	GPS fixed
GSM LED Indicator	
Continuously bright	No GSM signal GSM signal ok
Continuously bright flashing	GSM signal ok
Power Status	
Continuously bright	External power connected
Continuously dark	External power no connected

## 6. Installation

## 6.1 Preparation before installation

6.1.1 Open the packing box to check whether the type of device is correct and whether the accessories are included.

6.1.2 This product is a high-tech electronic device, installation should be undertaken by a professional.

6.1.3 Please follow the following procedures to install your GT003. During installation, there should be no power to the device.

### 6.1.4 Installing SIM card:

Each GT003 need to insert a SIM card which support GSM 2G network. The SIM card used should be enabled for GPRS.

- 1) 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.
- 2) Installing SIM card: Remove the upper cover of device, insert SIM card as shown then replace cover, lock the Shell With 3 bolts



## 6.2 Installation

The GPS tracker must be installed under professional personnel.

Note:

- 1) Please install the device in the hidden place as followings:  
Under Front windshield;  
In the front instrument panel;  
Under back windshield;
- 2) Avoid being placed with signal radiators like reverse sensor ;
- 3) The device has GSM antenna and GPS antenna inside. Please ensure the receiving side of the device is face up and without metal cover.

Note: The metal cover will lessen the receiving of GPS signals.

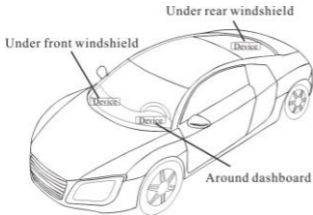
## 6.3 Selecting installation place and fixing it.

There are two kinds of installation: covert and non covert.

6.3.1 If you need the covert installation, please refer installation to an auto electrical contractor.

Note:

- 1) To prevent theft of the GT003, the device should be installed as covertly as possible.
- 2) Avoid placing the GT003 close to higher power electrical devices, such as reversing radar, anti-theft device or other vehicle communication equipment.
- 3) The GT003 should be fixed into position with cable ties or wide double-side tape.
- 4) Your device 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.

### 6.3.2 Non Covert Installation,

Firstly fix the device on the dash board below 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;

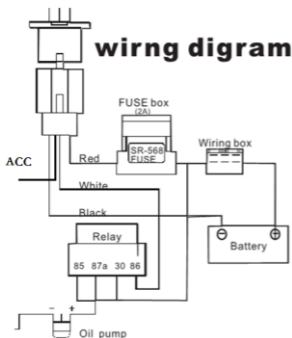
Notice: If the windshield is pasted with metal thermal-protective coating, it may affect the performance of the device. In this case, please change the installation place after consulting the professional.

## 7. Device wiring requirements

**7.1** The device power supply is DC 9-40V. The red line is positive pole while the black line is negative pole.

**7.2** The negative pole of power supply connects with ground or the metals. Please do not connect with other ground lines.

**7.3** When finishing the power supply wire connection, please make the plug of power supply to the device.



## 8. The Device Working

**8.1 Power on:** Connecting to the power, then switch on the device(in the board of the tracker, there a switch).Then the three LED indicators will light continuously. The device will upload the data to the online platform (the default interval of uploading data is 15seconds). When the car is in static state for a long time, the device will be in energy saving mode and it will be more smart and precise.

**8.2 Power off:** Pull off the power plug then switch the device off.

## 9. User Settings

### 9.1 SMS Commands instruction

1)Center Number		
Text command	Parameter	Sample
CENTER Add	710#number#	710#13500135000#
	711#number#	711#13800138000#
CENTER Del	D01#	D01#
	D02#	D02#
Command Description	1)Center numbers can control the oil and power and resume factory settings  2) Center numbers can receive the call and text of	

	<p>vibration alarm and over speeding alarm.</p> <p>3) SIM must display the income call number to control oil and power.</p> <p>4) Only 2 numbers can be center numbers.</p>
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2) View Administrator Number		
Text command	Parameter	Sample
View	901#	901#
Command Description	This directive is used to view Device Manager number.	
Command Feedback	Successful reply: Admin1:  Admin2:	

3) Authorized Number Set		
Text command	Parameter	Sample

Authorized Add	101# number #  102# number #  103# number #	1: 101#13800138000#  2: 102#12345678912#  3: 103#12345678912#
Authorized Del	D11#  D12#  D13#	D11#  D12#  D13#
Command Description	1) Authorization number for SMS control oil.  2) only three numbers to set the authorization number  3) change the authorization number needs to delete the previous number	
Command Feedback	Successful Setting: Add Authorization account 1  OK!	

#### 4) View Authorized Number

Text command	Parameter	Sample
View authorized	C10#	C10#
Command Description	This directive is used to view the equipment authorization numbers	
Command Feedback	Successful Setting:  Authorization 1:  Authorization 2:  Authorization 3:	

#### 5) APN Setting

Text command	Parameter	Sample
APN Setting	802#username#pass word#	1: 802#intenet#123#123#  2: 802#internet#

Command Description	APN differs according to the local telecom operators.  For example: APN request password, please refer to Sample 1, and Sample 2 for no password.
Command Feedback	Successful Setting: SET APN OK!

6) Set / View Server		
Text command	Parameter	Sample
SERVER Parameter	803#SERVER # port#	803#47.90.39.27#6100#  803#gps.dyegoo.net#6100#
View <b>SERVER</b>	CIP#	1) CIP#
Command Description	Change the IP and port when move to a new server  port: 10~65535	
Command Feedback	Successful Setting: set IP OK!	

<b>7) Moving Time Interval</b>		
Text command	Parameter	Sample
TIMEER  Parameter  setting	730#uploading interval#	730#20#
Command  Description	Time scope: 0, 10 <sup>~</sup> 60 seconds; 0, no data uploading; 10 <sup>~</sup> 60, means time interval; the default value is 15 seconds.	
Command  Feedback	Successful Setting: SET TIMER OK!	

<b>8) Static Time Interval</b>		
Text command	Parameter	Sample
STATIC	SUP# time interval#	SUP#5#
Command	Timescope: 1 <sup>~</sup> 60 minutes; The device has	



Description	3D transmission and the default time interval are 5 minutes.
Command	Successful Setting: SET STATIC TIME OK!
Feedback	

### 9) Cancel the continuous upload

Text command	Parameter	Sample
NUP	NUP#	NUP#
Command	This command is used to cancel sending data to the platform	
Description	If need again to restore the upload , you need to send TIMEER Parameter setting.	
Command	SET OK!	
Feedback		

### 10) Power-Cut

Text command	Parameter	Sample
RELAY Parameter1	222#	222# cut off oil and power
RELAY Parameter2	333#	333# recover oil and power
Command Description	1)RELAY control the start and closeness of the relay 2) Only the center numbers can operate. 3) the device only cut off the oil circuit on the condition of the driving speed below 20KM/H or in static state. 4)After send the command, the device will reply 'please waiting' When the vehicle speed is over 20KM/H, the device will cut off the oil or the power when the speed below 20KM/H.	
Command Feedback	Successful Setting: Fuel cut has already been completed  OK!	

### 11) GMT

Text command	Parameter	Sample
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GMT	801#TIME_ZONE#	801#E8# 801#W5#
Command Description	The default time zone is Beijing time. If time zone need revised, please operate according to the above command.	

<b>12)Vibration Sensitivity</b>		
Text command	Parameter	Sample
VIBRATION Parameter	123#2#alarming way#	1) 123#2#3#
Set into vibration alarm time	V123#2#	1) V123#2# 2) V123#1#
Enable vibration alarm	911#	911#
Disable vibration alarm	910#	910#

Command Description	<p>the sensitivity value of the vibration is from 1 to 5, 1 is the most sensitive and 5 is close.</p> <p>Alarming ways: 1, calling 2, texting, 3 calling and texting.</p> <p>Must set the center number and receiving number.</p>
Command Feedback	set vibration alarm level, OK!

<b>13) Speeding</b>		
Text command	Parameter	Sample
SPEEDING  Parameter	SSA#120#alarming way#	1) SSA#120#3#  2) SSA#120#
Cancel Speed  alarm	CSA#	CSA#
Set speed  alarm time  interval	STIME#MINUTES#  SCOPE:1—60minutes	STIME#5#

Command	The speed scope is form 60-220, if the speed is no this cope, the alarm is off.
Description	Alarming : 1, calling 2, texting, 3 calling and texting. Must set the center number and receiving number.

<b>14) Reset</b>		
Text command	Parameter	Sample
RESET	930#	930#
Command Description	Reset the device	
Command Feedback	Successful Setting: Reset system, ok!	

<b>15) Factory</b>		
Text command	Parameter	Sample
Parameter	940#	940#

Command	Restore the factory setting
Description	Only center number can initial this function Factory setting will recover to the original setting
Command	
Feedback	Successful Setting: FACTORY OK!

<b>16) Language Setting</b>		
Text command	Parameter	Sample
LANG	LANG1#	LANG1# 1:CHINESE,
Parameter	LANGO#	LANGO#: ENGLISH
Command	; When check the location, it will reply the Chinese	
Description	location in Chinese language setting; while reply the URL link when in English language setting.	
Command		
Feedback	Successful Setting: SET LANG OK!	

17) <b>Position</b>		
Text command	Parameter	Sample
WHERE	666#	666#
Command Description	Check the longitude and altitude and other information of the device	
Command Feedback	Reply with longitude and altitude, speed and IMEI.	

18) <b>Version</b>		
Text command	Parameter	Sample
VERSION	V00#	V00#
Command Description	The command is to check the software version	
Command Feedback	VERSION: Xxxx BUILD: 2012-07-05 10:12	

<b>19) Param Check</b>		
Text command	Parameter	Sample
PARAM	886#	886#
Command Description	The command is to check the settings and the default parameter.	
Command Feedback	IMEI:351190012535936  APN : cmnet  IP:IP and port  TIMER: moving uploading interval  STATIC: static uploading interval  CENTER: center number  LANG: language (CN/EN)  GMT: time zone (E/W8)	

<b>20) Status Check</b>		
Text command	Parameter	Sample



STATUS	902#	902#
Command Description	The command is designed for checking the device' s working status.	
Command Feedback	External power:ON/OFF GSM Signal:HIGH/MIDDLE/LOW GPS:FIXED/UNFIXED RELAYER:DISABLE/ENABLE Vibrate Warning:ON/OFF Pause:ON/OFF	

## 10. Platform

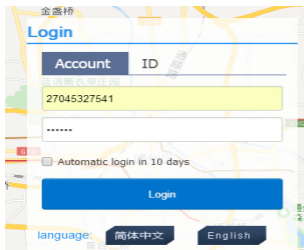
Website: <http://www.dyegoo.net>

Please click English to change to English language.

Login as Account or ID, Account is same as ID(IMEI last 11bits),ID is in the label on the tracker.

Enter ID(IMEI last 11bits)

Password:123456



APP: <http://www.dyegoo.net/app/>



When download, please click UK flag to change to English.

For some Android mobile phone, it is needed to install GoogleServicesFramework.apk, if there no this APK, it can not display google maps in APP.

Please search GoogleServicesFramework.apk by google and install it first, then install DYEGOO Google maps app.

In production, IP, port have been written in, normally the tracker will be auto online, if the tracker offline, Please set APN by sms command.

**Please get APN from sim card inserted mobile operator.**

If you lost IP, port, please send below sms command by admin number to

set them back:

803#gps.dyegoo.net#6100#

Or

803#47.90.39.27#6100#

## 11. Trouble shooting

**11.1** The device is not online or offline on the web platform.

**11.1.1** First, please check the three LED working state. If possible. You can call the device' s number to check.

- If not connected, the device is out of signal. If the GSM signals cannot reach your location, please drive to the open sky.
- If reminding the device SIM card is out of deposit, please make deposit by the telecom operator.
- If you can connect to the device when calling, the SIM card has deposited and please check with your operator for GPRS function. You also can check by searching the internet on your mobile phone.
- If reminding the device is power off, please turn back the device and proceed as followings:
  - a) Check if the red LED is in constant glow. If the LED is dark, please check the power connecting. If fuse is broken, please return the device to the seller.
  - b) If the blue GSM LED is not in constant flashing, please check the installation of SIM card.

**11.1.2** Please check the offline area in order to judge if the network problem of operators.

- 11.2** When GPS cannot receive the signals, please drive in the open sky and ensure there is no metal thins on the device.
- 11.3** When the device can not receive the GSM signal, please check the SIM card installation. If the GSM signals can not reach your location (such as the basement), please drive to the open sky.
- 11.4** The red LED is not glow when power on. Check the fuse of the power line. If the fuse is fused, please change the fuse with the seller.