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

# GD09 User Manual
## (Version 2.1)

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. Auto set APN.

5. Unplug alarm(Battery inside device).

6. ACC status detection.

7. Vibration alarm.

8. GEO-FENCE alarm.

9. Overspeed alarm.

10. OBD-II interface.

# 2. Specs

1). **GSM**: 850/900/1800/1900MHZ

2). **GPRS**: Class12, TCP/IP

3).**Working Voltage**：9-40V DC

4).**Working current**：≈22mA (12VDC)

5).**Working current**：≈12mA (24VDC)

6).**GPS locating time**：Cold start≈38s

      Warm start≈32s

      Hot start≈2s

7).**GPS Precision**：10m (2D RM)

8).**Working temperature**：-20℃～+70℃

9).**Working humidity**：20%～80%RH

# 3. My Device

OBD-II port

SIM card slot
GPS indicator
GPRS indicator

USB port

**NOTE：USB port only for factory using.**

## 4.Device status indicators

| GPS LED Indicator | |
|---|---|
| Continuously bright | GPS unfixed |
| Flashing | GPS fixed |
| GPRS LED Indicator | |
| Continuously bright | No GSM signal GSM signal ok |
| Continuously bright flashing | GSM signal ok |

# 5. Installation

5.1 Installing SIM card:

Each GD09 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 as the mark on the device, SIM card is switch, once SIM card inserted in, The tracker will be power-on.

3)   Check device LED status.

4)   Plug in the OBDII port of the car.

# NOTE：SIM card should support GSM 2G network.

## 6. User Settings

### 6.1 SMS Commands instruction

| 1)Center Number | | |
|---|---|---|
| Text command | Parameter | Sample |

| | | 710#008613500135000# |
|---|---|---|
| | | To set +8613500135000 as |
| | 710#number# | Center number 1. |
| CENTER Add | 711#number# | 711#008613800138000# |
| | | To set +8613800138000 as |
| | | Center number 2. |
| CENTER Del | D01# | D01# |
| | D02# | D02# |
| Command Description | 1) Center numbers is needed, the tracker only reply to center numbers and Authorized numbers by center numbers. 2) Please add your country code, please change "+" to 00. 3) Only 2 numbers can be center numbers. 4) This number is not the SIM card number in the tracker. | |

| 2) View Center Number | | |
|---|---|---|
| Text command | Parameter | Sample |
| View | 901# | 901# |
| Command Description | This directive is used to view device center number. | |
| Command Feedback | Successful reply: Admin1:<br>Admin2: | |

| 3) Authorized Number Set | | |
|---|---|---|
| Text command | Parameter | Sample |
| Authorized Add | 101# number #<br>102# number #<br>103# number # | 1: 101#008613800138000#<br>2: 102#008612345678912#<br>3: 103#008612345678912# |
| Authorized Del | D11#<br>D12# | D11#<br>D12# |

|  | D13# | D13# |
|---|---|---|
| Command Description | 1) Authorization number for SMS command. 2) only 3 numbers to set the authorization numbers 3) Please add your country code, please change "+" to 00. | |
| 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 | Successful Setting: | |

| Feedback | 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 SERVER | CIP# | 1) CIP# |
| Command Description | Change the IP and port when move to a new server | |
| Command Feedback | Successful Setting: set IP OK! | |

| 7)Moving Time Interval | | |
| --- | --- | --- |
| Text command | Parameter | Sample |
| TIMEER Parameter setting | 730#uploading interval# | 730#20# |
| Command Description | Time scope: 0, 10~60 seconds; 0,no data uploading; 10~60,means time interval; the default value is 15 seconds. | |

| Command | Successful Setting: SET TIMER OK! |
|---------|-----------------------------------|
| Feedback | |

| 8)Static Time Interval | | |
|------------------------|-----------|--------|
| Text command | Parameter | Sample |
| STATIC | SUP# time interval# | SUP#5# |
| Command Description | Timescope: 1~60 minutes; The device has 3D transmission and the default time interval are 5 minutes. |
| Command Feedback | Successful Setting: SET STATIC TIME OK! |

| 9) Cancel The Continuous Upload | | |
|---------------------------------|-----------|--------|
| Text command | Parameter | Sample |
| NUP | NUP# | NUP# |
| Command | This command is used to cancel sending data to the |

| Description | platform |
| --- | --- |
| | If need again to restore the upload , you need to |
| | send TIMEER Parameter setting. |
| Command Feedback | SET OK! |

| 10) GMT | | |
| --- | --- | --- |
| Text command | Parameter | Sample |
| 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. | |

| 11) Vibration Sensitivity | | |
| --- | --- | --- |
| Text command | Parameter | Sample |

| VIBRATION Parameter | 123#2#alarming way# | 1) 123#2#3# |
|---|---|---|
| Set into vibration alarm time | V123#2# | 1) V123#2#<br>2) V123#1# |
| Enable vibration alarm | 911# | 911# |
| Disable vibration alarm | 910# | 910# |
| Command Description | the sensitivity value of the vibration is from 1 to 5, 1 is the most sensitive and o is close.<br><br>Alarming ways: 1. Calling, 2. texting, 3. calling and texting.<br><br>Must set the center number and authorization numbers. | |
| Command Feedback | set vibration alarm level, OK! | |

| 12)Overspeed Alarm | | |
|---|---|---|
| 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 Description | The speed scope is form 60-220, if the speed is no this cope, the alarm is off. Alarming : 1, calling 2, texting, 3 calling and texting. Must set the center number and receiving number. | |

| 13)  GEO-fence Setting | | |
|---|---|---|
| Text command | Parameter | Sample |

| Setting | 920#radius#way# | 920#1#2# |
|---------|-----------------|----------|
| Cancel | 921# | 921# |
| Command Description | Setting Geo-fence alarm, radius from 1-100, Unit:100M. Alarming : 1, calling 2, texting Out Geo-fence 1 time, the Geo-fence canceled. | |
| Feedback | Set **Enclosure** OK / Cancel **Enclosure** OK | |

### 14) Reset

| Text command | Parameter | Sample |
|--------------|-----------|--------|
| RESET | 930# | 930# |
| Command Description | Reset the device | |
| Command Feedback | Successful Setting: Reset system, ok! | |

### 15) Factory

| Text command | Parameter | Sample |
|---|---|---|
| Parameter | 940# | 940# |
| Command Description | Restore the factory setting<br><br>Only center number can initial this function<br><br>Factory setting will recover to the original setting | |
| Command Feedback | Successful Setting: FACTORY OK! | |

## 16) Language Setting

| Text command | Parameter | Sample |
|---|---|---|
| LANG Parameter | LANG1#<br><br>LANG0# | LANG1#  1:CHINESE,<br><br>LANG0#: ENGLISH |
| Command Description | When check the location, it will reply the Chinese location in Chinese language setting; while reply the URL link when in English language setting. | |
| Command | Successful Setting: SET LANG OK! | |

| Feedback | |
|----------|---|

---

| 17)Google Link | | |
|---|---|---|
| Text command | Parameter | Sample |
| command | 666# | 666# |
| Command Description | Check the location link of Google map | |
| Command Feedback | 〈Datetime:12-07-05 13:21:30〉 http://maps.google.com/maps?q=N22.540885,E113.95265 | |

---

| 18) Parameter Check | | |
|---|---|---|
| Text command | Parameter | Sample |
| PARAM | 886# | 886# |
| Command Description | The command is to check the settings and the default parameter. | |
| Command | IMEI:351190012535936 | |

| Feedback | 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) |

| 19)Status Check | | |
|---------|---------|---------|
| 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 |
| | Vibrate Warning:ON/OFF |
| | Pause:ON/OFF |

## 20) **Monitor (Voice Surveillance)-CALL BACK(default)**

| command | Parameter | Sample |
|---|---|---|
| SSS# | SSS# | SSS# |
| Description | Using Command Send this command to the tracker's number, the tracker will call back to admin number. | |

## 21) **Monitor (Voice Surveillance)-CALL**

| command | Parameter | Sample |
|---|---|---|

| Open Calling mode | SS1# | SS1# |
|---|---|---|
| Return to Call back | SS0# | SS0# |

## 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 writed 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.