

OBD GPS Vehicle Positioning Device (GPS+GSM+SMS/GPRS)

User Manual

In order to learn the correct installation way and for your easily operation, please read the user manual carefully before using. The appearance and color of products are subject to change, please take real products as standard!

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I. Product accessories

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II. Product features

2.1 Worldwide used Quad-band system GSM850/900/1800/1900MHZ;

2.2 Wide operating voltage input range: 8-50VDC

2.3 Real-time GPS positioning and inquiry vehicles' location through the APP in the mobile device;

2.4 Support location inquiry through SMS;

2.5 Built-in vibration sensor to achieve intelligent vehicle anti-theft function;

2.6 The platform supports up to 90 days historical track and route inquiry;

2.7 The platform supports electronic fence;and

2.8 Products Specification

Item	Product Specifications
Weight	49g
Operating temperature	-20°C to 55°C
Operating humidity	5% to 95% Non-condensing
GSM module	MT6261D Quad-band GSM 850/900/1800/1900MHZ
GPS chip	The master TD1030
GPS sensitivity	--162Db
GPS frequency	L1,1575.42MHz
Channel	56 channel all-in-view tracking
Location accuracy	10 meters, 2D RMS
Speed Accuracy	0.1m/s
Time accuracy	1 microsecond synchronize with satellite time
Default data	WGS-84
Update time	an average of 0.1 second
Hot start	an average of 1 second
Warm start	an average of 30 second
LED light	2 LED light to display charging, GSM and GPS status

III. Installation instructions

3.1 Preparation before installation:

3.1.1 To open the box to check whether the equipment type is right or not, and to make sure accessories are complete, otherwise please contact your dealer; and

3.1.2 To choose a SIM card. The positioning device needs to insert a GSM SIM card.

3.2 Steps for usage

Installation → Power on → Register

3.2.1 Installation: put the GPS antenna side of the device up towards the sky, and make sure that there is no any electromagnetic wave absorption material such as metal, window film etc. covering the device.

3.2.2 Power on: to install SIM card.

3.2.3 Register: ways of register are different depending on different dealers' platform, so please consult your dealer.

3.3 Indicator lights description

3.3.1 Yellow LED-GSM status indicator

Light status	Meanings
<i>Quick flashing (flash once within 2 seconds)</i>	<i>GSM initialization</i>
<i>Constant on</i>	<i>GPRS is on work</i>
<i>Not shine</i>	<i>GSM is in sleep mode</i>

3.3.2 Blue LED-GPS status indicator

Light status	Meanings
<i>Quick flashing (flash once within 2 seconds)</i>	<i>GPS signal searching</i>
<i>Constant on</i>	<i>Successful GPS positioning</i>

<i>Not shine</i>	<i>GPS is in sleep mode</i>
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IV. Operation

Please be noted that GPS vehicle positioning device sets parameters through SMS. Detail operation: using the user's phone number to send a SMS command to the SIM card installed in the GPS vehicle positioning device.

4.1 Setting user's password

It can set only one user's phone number and only the last setting one is valid. The default user's password is 123456

Command to set user's phone number: admin123456

Supposing the user's phone number is 13712345678, the command is: admin123456 13712345678

Reply: admin ok

Command to reset the user's password: password123456

Supposing new password is 666888, the command is: password123456 666888

Reply: password ok

4.2 Command to set alarm when main power off

4.2.1 Command to activate the SMS alarm when power off : pwr sms 123456,1 (default)

Reply: pwr sms alarm set ok

4.2.2 Command to inactivate the SMS alarm when power off: pwr sms 123456,0

Reply: pwr sms alarm set ok

4.2.3 Command to activate the call alarm when power off : pwr call 123456,1 (default)

Reply: pwr call alarm set ok

4.2.4 Command to inactivate the call alarm when power off: pwr call 123456,0

Reply: pwr call alarm set ok

4.3 Command to set vibration alarm

4.3.1 Command to activate vibration SMS alarm: 125# (default)

Reply: OK

4.3.2 Command to inactivate vibration SMS alarm: 126#

Reply: OK

4.3.3 Command to activate vibration call alarm: 122#

Reply: OK

4.3.4 Command to inactivate vibration call alarm: 121# (default)

Reply: OK

4.3.5 SMS command to set length of time of vibration alarm, and the scope of time is between 1 to 15 seconds.

Command: vibtime123456,n

Reply: vibtime set ok n(0-15)

Please be noted that aforesaid (0-15) is a scope that user can choose, among which 0 means canceling vibration alarm and the default time is 3 seconds, which means the positioning device will alarm when vibration lasts for 3 seconds.

4.4 Request position information through SMS

Request location with Google map URL link

Command: g1234

4.5 Restore factory settings

SMS Command: FORMAT

4.6 Device reboot

SMS Command: CQ

4.7 Request device information

SMS Command: CXZT

4.8 Set APN (**Very Important!**)

Command to set APN: apn123456 cmnet

Reply: apn ok

Command to set APN corresponding user name: apnuser123456

User reply: apnuser ok

Command to set APN corresponding password: apnpasswd123456

Password reply: apnpasswd ok

4.9 Set the server IP and port

SMS command: IP+The comma+The comma+IP address+The comma+port

For example: IP,,58.251.128.85,7700

4.10 Platform application

4.10.1 Mobile real-time monitoring: using mobile phone to login to the domain or download APP

4.10.2 Platform real-time monitoring: using computer to login to the domain w.gps50.com

Details please consult your dealers.

4.11 Track playback

To login to platform and click historical track playback function.

V. Troubleshooting

5.1 the positioning device can not connect to the service platform and platform show the device is not online, please check if there is any problem below:

5.1.1 whether the main power has been wired correctly;

5.1.2 whether the SIM card has been installed correctly;

5.1.3 to check the LED indicator lights status, please refer to indicator lights description;and

5.1.4 to check whether there is successful GPS positioning or not, if not, please go to outdoor for the first time positioning.

5.2 The device is offline shown on the platform

To check whether the three indicator lights are working properly or not. If user can not see the indicator lights, he/she can check status of SIM card following the below steps:

5.2.1 to call the number of SIM card to check the connection is normal;

5.2.2 whether the vehicle is in the basement where can not receive the GSM network signal;

5.2.3 to check the offline status on the platform to identify whether there is any network problem;

5.2.4 to check whether the SIM card is in arrears or not;

5.2.5 to check whether GPRS service is canceled or not;

5.2.6 to check parameter settings to identify whether the GPRS transmission time interval is correct or not;

5.3 If GPS function of the device has been activated while there is no position information for a long time, please check the installation place of the device with referring to aforesaid installation instruction.