



WhatsGPS

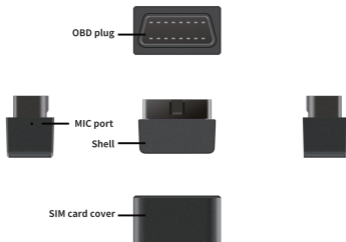
2G Vehicle GPS Tracker

Model:S709



User Manual

Appearance diagram



Installation method of SIM card

1. Preparation before installation
2. Product inspection: open the package to check whether the device model is correct and whether the accessories are complete. Otherwise, please contact your distributor
3. SIM card selection: the device needs to insert a GSM band SIM card. Please refer to the dealer's opinion for the selection of GSM card
4. Installation: first open the back cover, into the SIM card (middle card), then close the back cover. (as shown in the figure below)



The thumb of the left hand is in the direction of the arrow
The right thumb is opened in the direction of the arrow



Open the cover and see the SIMcard holder in the direction of the arrow



SIM card holder opens in the direction of the arrow



SIM卡 Install SIM card



Buckle back the SIM card cover

4. At this time, the external 9-36v power supply can be connected

Note: the terminal GSM card needs to open the GPRS function, and ensure that the terminal GSM card has the tariff; If your GSM is enabled and requires PIN code input, please refer to your mobile phone user manual to turn off the PIN code input function.

Device operating state

1. Power on: the terminal will start up automatically after the external power is connected. Before starting up, please pay attention to whether the SIM card has been inserted. If the SIM card is not inserted, please

disconnect the external power first and then insert the SIM card. When the device is started, the indicator light will turn on. When the external power connection +GPS positioning +GSM is normal, the indicator light will always be on. When the GPS +GSM is normal, but the external power is not connected, the indicator light flashes quickly; When GSM is normally connected with external power and GPS is not located, the indicator light will normally flash (1.5 seconds off and 0.5 seconds on); When the GPS positioning + external power connection, but the GSM network is not normal, the light will flash slowly (3 seconds flash, 0.5 seconds on); When the GSM network is abnormal, GPS does not locate and external power is disconnected, the indicator light does not light.

2. Power off: unplug the power connector, the standby battery of the device runs out, and the terminal shuts down after power off.

User instruction

1. CENTER number Settings

SMS	Para	Example
Add	CENTER, A, number#	CENTER,A, 18300138000#
Delete	CENTER,D#	CENTER,D#
Instructions	1) Used for SMS control of power off, restore factory Settings 2) Used for vibration alarm, speed alarm SMS and telephone reception 3) Only one number can be set to the center number 4) Changing the center number requires reissuing the above instructions	
Instruction returning	Successful return: set the center number successfully!	

2. SERVER command

SMS	Para	Example
SERVER para	SERVER,password, domain,port #	SERVER,8520, www.whatsgps.com, 6801,0#
Instructions	This function is to change server Settings, need to modify the server IP domain and port. Port range: 10~65535; Password: fixed number, please contact the dealer Domain: Can be either a domain/IP address.	

Instruction returning	Successful return: set the IP successfully!
-----------------------	---

3. APN command

SMS	Para	Example
Command	APN, apn[account number, password]#	1:APN,intenet,123,123# 2:APN,cmnet#
Instructions	<p>The APN instruction is used to configure the Internet access parameters of different countries' operators. Please check the APN parameters of the card by yourself. For example, if APN requires an account password, refer to example 1; if no account password is required, refer to example 2. Note: many national apns are already built in. If you can connect to the server platform, you do not need to set it</p>	
Instruction returning	Successful return: set APN successfully!	

4. TIMER sets the upload interval

SMS	Para	Example
Command	TIMER,upload time#	TIMER,30#
Instructions	<p>Time range: 10~60 seconds; If the vehicle installed by the device is in a state of motion for a long time every day, it is recommended to change the upload time to 30 seconds to save traffic 10~60 means the upload time is within the range of 10~60, and the value should be a multiple of 10 when set; The default is 10 seconds.</p>	

Instruction returning	Successful return: set the upload time successfully!
-----------------------	--

5. Positioning location

SMS	Para	Example
English	POSITION#	POSITION#
Instructions	The command is used to query the current location description.	
Instruction returning	Successful return: If the language is English, the message will return a link!	

6. RESET command

SMS	Para	Example
English	RESET#	RESET#
Instructions	The command is used to reboot device	
Instruction returning	Successful return: Reboot successfully!	

7. Vibration alarm setting

SMS	Para	Example
Command	VIBRATION, level,(mode)	1)VIBRATION,2,3# 2)VIBRATION,2#
Instructions	Set the vibration alarm, the alarm level is 0~5, where 0 to close the alarm, 1 to 5, the lower the more sensitive. Alarm mode: 1. 2, SMS, 3, phone and SMS; Default is 1 phone; The alarm mode may not be selected, as shown in example 2; Must set center number to receive SMS and phone!	

Instruction returning	Successful return: Set vibration alarm successfully!
-----------------------	--

8. Monitoring setting

SMS	Para	Example
Command	LISTEN,0/1#	1) LISTEN,1# 2) LISTEN,0#
Instructions	<p>This instruction is used to set the listening range, 0~1, the listening function is off by default; If need to open, according to example 1 send instructions, if need to close, according to example 2 send instructions;</p> <p>Set the listening number must be the center number;</p> <p>SIM card used in the device must have caller id function;</p>	
Instruction returning	Successful return: Set monitoring successfully!	

9. PARAM setting

SMS	Para	Example
Command	PAR,A,M#	PAR,A,M#
Instructions	Used to query the parameters and default parameters set by the device	
Instruction returning	<p>IMEI: 351190012535936</p> <p>APN: cmnet</p> <p>IP allocation: allocation of server information (IP/domain) and ports</p> <p>CENTER: CENTER number</p> <p>LANG: language (CN/EN)</p> <p>GMT: time zone (E/W8)</p>	

10. Status command

SMS	Para	Example
Command	STATUS#	STATUS#
Instructions	This instruction is used to query the current working state of the device	
Instruction returning	BATTERY:100% -- BATTERY status GSM Signal:HIGH--GSM Signal strength GPS:FIXED-- FIXED by GPS GPS Signal:HIGH--GPS Signal strength CHARGER:NORMAL -- in the charged state	

The comma in the instruction must be an English comma; For further instructions, please contact the distributor

Parameters

- 1). GSM frequency band: 850/900/1800/1900mhz
- 2). GPRS: Class12,TCP/IP
- 3). Working voltage: 9-36v DC
- 4). Operating current: 22mA (12vDC)
- 5). Operating current: who12ma (24vDC)
- 6). GPS positioning time:
 - cold start: 38s (Open sky)
 - warm start: 32s Thermal boot (Open sky)
- 7). Positioning accuracy: 10m (2D RM)
- 8). Working environment temperature: - 20 °C ~ + 70 °C
- 9). Working environment humidity: 20% ~ 80%RH
- 10).Device size: 50 (L) x 29 (W) x 39 (H) mm

Recording function description

If you need the recording function (send instructions for the device to record a short speech and upload it to the service platform, generally about 10 seconds), please contact the dealer to customize this function.

Switch and power off alarm instructions

This equipment is equipped with a backup battery, but there is no switch to control the enabling of the backup battery. When the user gets the device, the backup battery is basically in the state of no power, and it needs to be connected to the external power for a short time to realize the power off alarm function.

Note: if the user does not load the SIM card, the device will not work properly.

Trouble shooting

1. when the terminal displays offline or offline status in the background.
2. to confirm whether the GSM network is normal, please use your mobile phone to call the SIM card of the terminal Number, according to the prompt tone to

determine the status of the terminal.

If there is no connection, the prompt terminal cannot be connected temporarily or is not in the service area. The area where the terminal is located may not cover the GSM signal or the signal is weak in the basement. Please drive to the area where there is a signal to use. If not connected, it indicates that the terminal balance is insufficient or the machine is stopped. Terminal SIM card is overdue, please recharge this SIM card.

If there is a connection and hear "toot... Du.... Du...."
When the sound.

The terminal SIM card is installed correctly and has balance, please consult the operator of this card to open GPRS function; You can also use the mobile phone in the browser input you commonly used url, see whether can open the web page; If you can't open it, you don't have GPRS service. Please contact the operator to open it for you.

If there is no connection, the prompt terminal cannot be connected temporarily or is not in the service area. The area where the terminal is located may not cover the GSM signal or the signal is weak in the basement. Please drive to the area where there is a signal to use. If not connected, it indicates that the terminal balance

is insufficient or the machine is stopped.

First of all, check the LEDs' status. If it is not convenient to check that, please check the SIM card status :

1)Call the SIM card number of the device to check whether you can get through;

2)Check whether the vehicle is in no GSM area, such as basement;

3)Check the GSM/GPS disconnection area, whether it is all disconnected or few of them disconnected, to make sure whether it is the fault of operator' s internet.

4)Check whether your SIM card charge is overdue;

5)Check whether the SIM card supports GPRS;

6)Check the parameter setup, whether the device IMEI number, GPRS sending interval is correct;

3.If the device' GPS function is normal, but can not locate for a long time, please check whether the installation setup of device is correct:

1)Please make sure the GPS antenna face is up;

2)Please make sure there is no electromagnetic wave-absorbent object (metal) above the device, especially the thermal-protective coating on the windshield, it may affect the GPS reception of the device;

After-sales service

1. The products are subject to technical changes without prior notice

Please refer to the material object for appearance and color

3. The warranty card is applicable to IMEI products specified in the following table

4. Please keep the card and receipt for after-sales service

5. The following is for warranty reference

Warranty card

Maintenance record	
Maintenance shop	
Sending date	
Fault description	
Maintenance situation	
IMEI number	
Maintenance person	

Maintenance record	
Maintenance shop	
Sending date	
Fault description	
Maintenance situation	
IMEI number	
Maintenance person	