



GPS Tracker

Model:G60L



Manual

1. Product Features



**Real-time
Tracking**



**Driver
Behavior
Analysis**



**BDS+GPS dual
satellite
positioning**



**OTA remote
upgrade**



**Compact
body**



**Built-in
GSM/GPS
antenna**



**4G network
communication**



**Easy to
install**



**Vibration
alarm**



**Power-off
Alarm**



**GEO-FENCE
alarm**



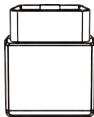
**Over-speed
Alarm**

2.Installation Instructions

2.1 Appearance



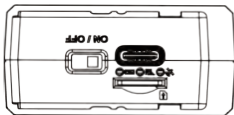
Front



Back

2.2 Device online operation

2.2.1 Insert the SIM card into the GPS tracker (SIM card requires SMS, data service and phone function) Turn on the button of the GPS tracker and make sure the light is on. (Make sure the device has power, if not ,connect it to the vehicle's battery, the battery will power it)



Insert the
SIM card



2.2.2 Command send operation

Please send two text messages to sim card number of GPS tracker using your mobile phone.

1) [APN,apnname#](#)

This SMS is used to connect the GPS tracker to your local network. (apnname.is the APN of your SIM card's local carrier ,such as APN, cmnet# .If you don't know the APN of your sim card ,check it by searching or ask your local carrier)

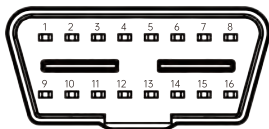
2) [SERVER,1,gps.whatsgps.com,6801,0#](#)

This SMS is used to connect GPS tracker to WhatsGPS tracking platform.

For other platforms, please refer to this format to send commands, see the command list below for details

2.2.3 To see whether the tracker is online, go to www.whatsgps.com or download the WhatsGPS app.

2.3 Wiring definition



OBD Diagnostic Interface

Interface Definition	Notes
1,2,3,6,7,8,9,10,11,12, 13,14,15	No Connect
4,5	Ground
16	Positive electrode

LED type	LED status	Meaning
Green	Fast flash	Network initialization
	Slow flash	Network/GPRS online
	Not bright	No GSM signal/ no card inserted
Blue	Fast flash	BD/GPS signal search
	Always on	BD/GPS positioning success
	Not bright	GPS sleep/not working
Red	Always on	Connect the external power
	Not bright	Disconnect external power

2.4 OBD Interface Installation Instructions



Find the OBD interface of the vehicle and open the interface cover; Insert the GPS tracker into the vehicle's OBD interface in the correct direction. Repeatedly check whether the device is securely inserted and avoid covering the device with metal coverings around it. Finally, cover the OBD cover to use.

2.5 Installation method

The installation mode of the device is hidden installation. It is recommended that the installation be carried out under the guidance of the professional and technical personnel designated by the dealer. Pay attention to the following matters:

- * To avoid damage by thieves, the device location should be hidden as far as possible;
- * Can be fixed with cable ties, or with wide sponge strong double-sided adhesive;
- * The device has a built-in GSM antenna and GPS antenna. When installing, it should be sure to face up (towards the sky), and there is no metal shielding above.

3. Installation Diagram



Common installation positions for OBD: A B C D. The vast majority of car OBD installations are located below the steering wheel.

4. Specifications

Project	Specification	Remark
Operating Voltage	DC 9V-50V	
Working current	48mA	
Static current	6mA	
Positioning method	GPS+BDS	
Positioning error	<10M	
Communication method	4G	
Communication frequency band	Global version: LTE-FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B8/B28/B66 LTE-TDD B34/B38/B39/B40/B41 Latin version: LTE-FDD B1/B2/B3/B4/B5/B7/B8/B28/B66 Euro version: LTE-TDD B1/B3/B5/B7/B8/B20 /B28	
Communication mode	TCP	
Range of working temperature	-30℃~ +80℃	
Working humidity	10% RH~ 85%RH	
Specifications size	46*22*55.5mm	
Weight	40g	
Built-in battery capacity	140mAh	
Warranty period	1 year	

5. Description of Common Commands

The following commands can be sent via SIM card SMS or issued via whatsgps platform

5.1 Common setup commands

SN	Command function	Command format	Remark
1	Set online	SERVER,mode,domainName/IP,port,0# SERVER,lgps,whatsgps.com,6801,0#	Set the device to point to Server IP and port
2	Set up APN	APN,[apnname]# APN,cmiot#	APN varies according to local telecom operators
3	Set upload interval	TIMER,[T1]# TIMER,10#	T1: 5-18000 sec, motion upload interval, the device default is 10s
4	Heartbeat interval setting	HBT,[T]# HBT,3#	T: 1-1440 min, heartbeat packet upload time interval, the default is 3min
5	Set time zone	GMT,[A],[b],[C]# GMT,E,0,0#	A=E/W, representing the East Time Zone and West Time Zone respectively; B:0-12, represents the time zone; C: 0,15,30,45, indicating half time zone, default is 0.

5.2 Common query commands

SN	Command function	Command format	Remark
1	Query parameters	PARAM#	Query the currently set parameters of the device
2	Query status	STATUS#	Query the current working status of the device
3	Device restart	RESET#	/

5.3 Common control commands

SN	Command function	Command format	Remark
1	Vibration alarm	SENALM, [A],[M]#	A=ON/OFF, the default value is OFF.; M=0/1/2/3, alarm method: 0: just GPRS, 1: SMS+GPRS, 2:GPRS+SMS+PHONE, 3:GPRS+PHONE. The default alert method is 1.
2	Power off alarm	POWERALM, [A],[M]#	A=ON/OFF, default value: ON; M=0/1/2/3, alarm method: 0: just GPRS, 1: SMS+GPRS, 2:GPRS+SMS+PHONE, 3:GPRS+PHONE. The default alert method is 0.

6. Troubleshooting

If you feel something is wrong with your device while operating, see the following questions and solutions. If the problem still cannot be solved, please contact the seller or service provider.

Common Problem	Cause	Solution
Poor signal reception	When devices are used in areas with poor reception, such as near tall buildings or basements, radio waves cannot be transmitted effectively	Use the device in a location with good signal
Unable to connect to the network	The SIM card is not installed properly	Check the SIM card
	Dirt on the metal surface of the SIM card	Wipe with a clean cloth
	Invalid SIM card	Contact your Internet Service Provider
	Out of GSM service area	Please move to ISP service area
	Weak signal	Please move to a strong signal and try again
Shutdown	Please confirm whether the device is switched on	Turn on the device battery switch
	Please check whether the SIM is installed properly	Please install the SIM card properly
	Poor contact	Check that the plug is properly connected

7. After-sales warranty card

User information:

User name		Contact number	
Address			
Product model		IMEI number	
Date of purchase		Invoice number	
Name of the seller			
Seller's address			
Seller's phone number			

* This card is the basic warranty certificate, please fill it carefully and keep it properly.

Warranty Description:

Important Note: Please keep this warranty card properly, and enjoy one-year after-sales warranty with this card. If this card is lost, your terminal warranty period will be postponed to your purchase date within 30 days after the factory date of the terminal checked by our company. Second, the scope of the warranty.

1. During the warranty period, we give free warranty if there is a problem due to the quality of the repair item itself.

2. During the warranty period, such as due to human factors, improper operation, incorrect power supply voltage caused by failure, due to the courier process dropped, damaged by their own disassembly or torn warranty strip, and natural disasters are not covered by the warranty.
3. This warranty does not apply to cases other than defects in materials, design and workmanship.
4. There is no right to extend or renew the warranty for repair or replacement under this warranty.

8. Platform tracking

Installation video

You can watch the installation video of the device and the tutorial video of using the APP on YouTube by scanning the QR code below



FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.