

# **4G VEHICLE GPS TRACKER**

## **OPERATION MANUAL**

**MODEL: OBD-4G**

1、APN		
Function	Format	Description
Set APN	APN,X#	APN varies according to local telecom operators. Please use the first method if it doesn't request a password.
	APN,X,user,password#	Please use the second method if it request a password.
Sample	APN,cmnet#	
SMS Feedback	SET APN OK	
Function	Format	Description
Query APN	APN#	Query the APN of the device.
Sample	APN#	
SMS Feedback	Currently in use APN:CMNET	

2、SERVER		
Command	Format	Description
<b>Set Server</b>	SERVER,1,Domain,Port,0#	Set server parameters. 1:Domain, 0:IP.
	SERVER,0,IP,Port,0#	The last 0 represents TCP, which is the default.
<b>Sample</b>	SERVER,0,8.211.44.75,7700,0#	
<b>SMS Feedback</b>	SET OK	

3、SOS NUMBER		
Command	Format	Description
<b>Add</b>	SOS,A,[number1],[number2],[number3]#	You can set up to three numbers once time. If you want to set 1 number, format is SOS,A,[number1]#. If you want to set 2 numbers, format is SOS,A,[number1],[number2]#.

		The SOS number is used to voice monitor and receive calls and messages such as SOS alarm etc.
<b>Sample</b>	SOS,A,8613912345678,8613912345678#	
<b>SMS Feedback</b>	Set OK	
<b>Command</b>	<b>Format</b>	<b>Description</b>
<b>Delete</b>	SOS,D,[number1],[number2],[number3]#	<p>You can delete three numbers once time.</p> <p>If you want to delete 1 number, format is SOS,D,1#.</p> <p>If you want to delete 2 numbers, format is SOS,D,1,2#.</p> <p>If you want to delete 2 numbers, format is SOS,D,1,2,3#.</p>
<b>Sample</b>	SOS,D,2#	
<b>SMS Feedback</b>	SET OK	

4、KEYALM		
Command	Format	Description
<b>KEYALM</b>	KEYALM,ON,M#	M=0~2, Alarm reporting method, 0 is GPRS, 1 is SMS+GPRS, 2 is GPRS+SMS+CALL. Set alarm reporting method, once the alarm is triggered, call the preset SOS number.
<b>Sample</b>	KEYALM,ON,1#	
<b>SMS Feedback</b>	SET OK	

5、CENTER NUMBER		
Command	Format	Description
<b>Add</b>	CENTER,A,[number]#	It can only set one center number. Changing the center number requires re-instruction.
<b>Sample</b>	CENTER,A,13912345678#	
<b>SMS Feedback</b>	SET OK	
Command	Format	Description
<b>Delete</b>	CENTER,D#	Delete center number.
<b>Sample</b>	CENTER,D#	
<b>SMS Feedback</b>	SET OK	

6、HBT		
Command	Format	Description
Set	HBT,T1,T2#	Heartbeat packets uploaded by the device according to the set time. T1=1~5min, it means HBT upload time when acc on. T2=1~5min, it means HBT upload time when acc off.
Sample	HBT,1,2#	
SMS Feedback	SET OK	
Command	Format	Description
Query	HBT#	Query the HBT upload time set.
Sample	HBT#	
SMS Feedback	HBT: 60,120	

7、TIMER		
Command	Format	Description
Set	TIMER,T1,T2#	Timing transmission time of GPS positioning data packet. T1=5~60s, it means GPS upload time when acc on. T2=5~60s,it means GPS upload time when acc off.
Sample	TIMER,5,10#	
SMS Feedback	SET OK	
Command	Format	Description
Query	TIMER#	Query the GPS positioning data upload time set.
Sample	TIMER#	
SMS Feedback	TIMER:5,10	



8、DEFENSE		
Command	Format	Description
<b>Automatic Defense</b>	DEFENSE,A#	A=1~160min, it means set a time of delay defense. Start timing of command issuance, end of set time, device automatic defense. Default is 10min.
<b>Sample</b>	DEFENSE,3#	
<b>SMS Feedback</b>	SET OK	
Command	Format	Description
<b>Query</b>	DEFENSE#	Query the delay defense time set.
<b>Sample</b>	DEFENSE#	
<b>SMS Feedback</b>	DEFENSE:2	

9、SENDS		
Command	Format	Description
Set	SENDS,A#	<p>A=0~300min, it means how many minutes will the device be located.</p> <p>If the GPS is positioned within the set time, upload the GPS positioning data package. Otherwise, upload the LBS positioning data package.</p> <p>If A=0, it indicates that the GPS is normally on.</p>
Sample	SENDS,5#	
SMS Feedback	SET OK	
Command	Format	Description
Query	SENDS#	Query sensor control GPS time.
Sample	SENDS#	
SMS Feedback	SENDS:3	

10、SENALM		
Command	Format	Description
<b>On</b>	SENALM,ON,M#	<p>M=0~2.            Mode of alarm, 0 is GPRS, 1 is SMS&amp;GPRS, 2 is GPRS&amp;SMS&amp;CALL.</p> <p>To trigger the vibration alarm logic, first, the device is in defense, turn on the vibration alarm function, and the device vibrates 3 times within 10s, triggering a vibration alarm.</p> <p>Each defense only takes effect once. If it takes effect again, reset it.</p>
<b>Sample</b>	SENALM,ON,2#	
<b>SMS Feedback</b>	SENALM:ON,2	
Command	Format	Description
<b>Off</b>	SENALM,OFF#	Turn off the vibration alarm function.
<b>Sample</b>	SENALM,OFF#	

<b>SMS Feedback</b>	SENALM:OFF	
<b>Command</b>	<b>Format</b>	<b>Description</b>
<b>Query</b>	SENALM#	Query whether the device vibration alarm function is turned on.
<b>Sample</b>	SENALM#	
<b>SMS Feedback</b>	SENALM:1 SMS:0 CALL:0 GPRS:1	

### 11、SENSORRANGE

<b>Command</b>	<b>Format</b>	<b>Description</b>
<b>SET</b>	SENSORRANGE,A#	A=0 ~ 255, Vibration sensitivity. The lower the number, the more sensitive. Default is 12.
<b>Sample</b>	SENSORRANGE,10#	
<b>SMS Feedback</b>	SET OK	

Command	Format	Description
<b>Query</b>	SENSORRANGE#	Query the vibration sensitivity set.
<b>Sample</b>	SENSORRANGE#	
<b>SMS Feedback</b>	SENSORRANGE:12	

## 12、POWERALM

Command	Format	Description
<b>On</b>	POWERALM,ON,M,T1,T2,#	<p>M=0~2.Mode of alarm, 0 is GPRS, 1 is SMS&amp;GPRS, 2 is GPRS&amp;SMS&amp;CALL.</p> <p>T1=2~60s, Power off detection time, Detect whether the device is powered off within the set time.</p> <p>T2=1~3600s, It means how many seconds will the next power off alarm be triggered.</p>
<b>Sample</b>	POWERALM,ON,2,10,10,#	
<b>SMS Feedback</b>	SET OK	

Command	Format	Description
<b>Off</b>	POWERALM,OFF#	Turn off the power off alarm function.
<b>Sample</b>	POWERALM,OFF#	
<b>SMS Feedback</b>	SET OK	

### 13、BATALM

Command	Format	Description
<b>On</b>	BATALM,ON,M#	M=0~1.Mode of alarm, 0 is GPRS, 1 is SMS&GPRS. When the battery power of the device is lower than 20%, a low power alarm is triggered.
<b>Sample</b>	BATALM,ON,1#	
<b>SMS Feedback</b>	SET OK	
Command	Format	Description

<b>Off</b>	BATALM,OFF#	Turn off the lower battery power alarm function.
<b>Sample</b>	BATALM,OFF#	
<b>SMS Feedback</b>	SET OK	
<b>Command</b>	<b>Format</b>	<b>Description</b>
<b>Query</b>	BATALM#	Query whether the device lower battery power alarm function is turned on.
<b>Sample</b>	BATALM#	
<b>SMS Feedback</b>	BATALM:1 SMS:0 CALL:0 GPRS:1	

#### 14、SPEED

<b>Command</b>	<b>Format</b>	<b>Description</b>
<b>On</b>	SPEED,ON,B,C,M#	B=5~600s, device overspeed duration. C=1~255km/h, speed value. M=0~1.Mode of alarm, 0 is GPRS, 1 is SMS&GPRS.

		When the device exceeds the set speed value and continues to reach the set time, an overspeed alarm is triggered.
<b>Sample</b>	SPEED,ON,10,120,1#	
<b>SMS Feedback</b>	SET OK	
<b>Command</b>	<b>Format</b>	<b>Description</b>
<b>Off</b>	SPEED,OFF#	Turn off the overspeed alarm function.
<b>Sample</b>	SPEED,OFF#	
<b>SMS Feedback</b>	SET OK	
<b>Command</b>	<b>Format</b>	<b>Description</b>
<b>Query</b>	SPEED#	Query whether the overspeed alarm function is turned on.
<b>Sample</b>	SPEED#	
<b>SMS Feedback</b>	SPEED:1-5-120 SMS:0 CALL:0 GPRS:1	



15、URL		
Command	Format	Description
<b>URL</b>	URL#	Query device-targeted Google links
<b>Sample</b>	URL#	
<b>SMS Feedback</b>	ID:862205057045454 Spd:000 T:23/03/27 15:24 bat:81 http://maps.google.com	

16、STATUS		
Command	Format	Description
<b>STATUS</b>	STATUS#	This command is used to query the current working status of the device.
<b>Sample</b>	STATUS#	
<b>SMS Feedback</b>	ID:862205057045454,ACC:ON,NET:1,CSQ:23,GPS:0-11	

17、VERSION		
Command	Format	Description
<b>VERSION</b>	VERSION#	This command is used to query the device version.
<b>Sample</b>	VERSION#	
<b>SMS Feedback</b>	VER:V_6.1 2022/11/11	

18、WHERE		
Command	Format	Description
<b>WHERE</b>	WHERE#	Query device location.
<b>Sample</b>	WHERE#	
<b>SMS Feedback</b>	ID:862205057045454 Spd:000 T:23/03/27 15:24 bat:81 http://maps.google.com	

19、PARAM		
Command	Format	Description
<b>PARAM</b>	PARAM#	This command is used to check the set parameters and default parameters.
<b>Sample</b>	PARAM#	
<b>SMS Feedback</b>	Id:862205057045454, ip:8.211.44.75 7700, apn: internet--,phone:-,time:10-10,heart:180-300	

20、RESET		
Command	Format	Description
<b>RESET</b>	RESET#	Reset the device.
<b>Sample</b>	RESET#	
<b>SMS Feedback</b>	RESET OK	