

## SMS Command list

NO.	Item	SMS Commands format	Remarks
1	Check Device Status	STATUS#	
2	Check Device parameters	PARAM#	
3	Check GPRS Parameters	GPRSSET#	
4	Check Device Lat. And Log.	WHERE#	
5	Set Server IP or Domain name	1. Set Server Domain name: SERVER,1,domain name,port,0# 2. Set Server IP: SERVER,0,IP,Port,0# The last bit 0 stands for TCP	
6	Check Server parameters	SERVER#	
7	Reset Device	RESET#	The terminal will restart after 1 minutes
8	Add SOS Number	SOS,A, Number 1,Number 2,Number 3#	
9	Del SOS Number	SOS,D,No. 1,No. 2,No. 3#	
10	Check SOS Number	SOS#	
11	Add Center number	CENTER,A,Number# CENTER,A2,Number# CENTER,A3,Number#	Only SMS NUMBER CAN SET CENTER NUMBER
12	Del Center number	CENTER,D# CENTER,D2# CENTER,D3#	
13	GPS DATA upload time interval	TIMER,T1,T2# T1=0、5~18000seconds; ACC ON time interval T2=0、5~18000seconds ACC OFF time interval <b>Example: TIMER,30,300#</b>	
14	Check time interval	TIMER#	
15	Control Relay (Optional)	RELAY,A# A=0/1 0 stands for on 1 stands for off <b>Example: RELAY,0#</b>	
16	Check Relay status	RELAY#	

17	Open Vibration alert	<p>SENALM,A,M#  A=ON  M=0~2 alert methods  0 stands for only GPRS  1 stands for SMS+GPRS  2 GPRS+SMS+CALL  <b>Example:SENALM,ON,2#</b></p>	
18	Close Vibration alert	SENALM,OFF#	
19	Check Vibration alert status	SENALM#	
20	Open power off alert	<p>POWERALM,A,M,T1,T2,#  A=ON  M=0~2  0 stands for only GPRS  1 stands for SMS+GPRS  2 GPRS+SMS+CALL  T1=2 ~ 60seconds detect power off time  T2=1-3600seconds the minimum charge time  <b>Example:POWERALM,ON,2,30,300#</b></p>	
21	Check power off alert status	POWERALM#	
22	Check heartbeat data status	HBT#	
23	Open Over speed alert	<p>SPEED,A,B,C,M#  A=ON  B=5~600seconds  C=1~255km/h  M=0~1,upload method, 0 only GPRS  1 SMS+GPRS;</p>	<p>Example:  <b>SPEED,ON,10,120,1#</b></p>
24	Close Over speed alert	SPEED,OFF#	
25	Check Over speed status	SPEED#	
26	Voice monitor (Optional)	Step 1, setup center number (if already done, ignore), step 2, call the tracker, will automatically pick up calling.	
27	SOS Panic button (Optional)	Step 1, setup SOS number, step 2, press SOS button more than 3 seconds.	
28	ACC Ignition alarm	<p>ACCALM,ON,0#  ACCALM,ON,1#  ACCALM,OFF#  ON means turn on; OFF means turn off function</p>	Note: 0 means alarm by platform only, 1 means alarm by SMS + platform
29	ACC ignition status inquiry	ACCALM#	<p>Reply,  ACCALM,ON,1  ACCALM,ON,0  ACCALM,OFF</p>
30	ACC alert on Platform only	ACCALM,ON,0#	
31	ACC alert by SMS only	ACCALM,ON,1#	
32	ACC alert by SMS and calling	ACCALM,ON,2#	
33	Turn off ACC alert	ACCALM,OFF#	

## Frequently used commands:

Command	Explain	Reply content
902#	Inquiry parameters	Reply parameters
IMEI#	IMEI query	IMEI: 116790246811200
IMEI,116790246811200#	Set IMEI	OK
FACTORY#	Restore factory settings	OK, The terminal will restart after 30 seconds!
RESET#	restart	The terminal will restart after 1 minute!
WHERE#	Location query	Current position!Lat:N22.589031, Lon:E 113.853567, Course:0, Speed:0, DateTime:2018-07-26 10:25:55
URL#	Google link query	GPS! N4.85094 E7.06102 speed:000.0 T:07/13/19 11:37 <a href="http://maps.google.com/maps?q=N4.864553,E6.983681">http://maps.google.com/maps?q=N4.864553,E6.983681</a>
SERVER#	Server query	server,1,gw.carhere.net,8005,0#
server,1,gps-go.com,6006,0#	Set domain name	ok
Server,0,121.201.110.106,6006,0#	Set IP	ok
GMT#	Time zone query	Currently Timezone(GMT):E,8,0
APN#	APN query	Currently in use APN:peoples.net,0000,0000;
APN,xxxx#	Set APN	
APN,xxxxt,userAAA,passBBB#	Set apn and apn user,password	<b>Example: apn,cmnet,aaa,000#</b>
GMT,<A>,<b>[,C]#  example, GMT,E,8,0#	Change time zone command	A: E/W, E east time zone, W west time zone, default: E B: 0~12; time zone, default value: 8 C: 0/15/30/45, half time zone, default value: 0

Please read the manual carefully before use the GPS Tracker, so that you can install the device correctly and activate it quickly on the internet. The outlook and true color are subject to the actual product.



## 1. Wiring diagram:

**Red & black cable for power**  
**Orange cable for ACC/ignition**  
**Yellow cable for Relay**  
**The other two sets of lines for SOS and Microphone**

## 2 Technical parameter:

- 1) **.GSM:** 850/900/1800/1900 Quad band
- 2) **.GPRS:** Class12, TCP/IP
- 3) **.Working Voltage:** 9-100V DC
- 4) **.Working current:**  $\approx 22\text{mA}$  (12vDC)
- 5) **.Working current:**  $\approx 12\text{mA}$  (24vDC)
- 6) **.GPS locating time:** Cold start $\approx 38\text{s}$  (Open sky)  
Warm start $\approx 32\text{s}$  Hot start $\approx 2\text{s}$  (Open sky)
- 7) **.GPS Precision:** 10m (2D RM)
- 8) **.Working temperature:**  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- 9) **.Working humidity:** 20% $\sim$ 80%RH
- 10) **.Measurement:** 76 (L)  $\times$  26 (W)  $\times$  19 (H) mm

### **3. Main Functions: (V1.0)**

- 1) support ACC ignition detection.**
- 2) support Relay for cutting off power/fuel (optional)**
- 3) built-in GPS antenna: 18\*18\*4 mm**
- 4) built-in battery.**
- 5) Alarms (power off, over speed etc)**
- 6) platform /APP tracking supported**
- 7), SOS and voice monitoring. (optional)**

### **4 Device status indicators**

**4.1** Connect DC 9-100V power supply and the red LED will light continuously.

The red LED is the power signal,  
it is always on when the external DC is connected.

**4.2** The blue LED is the GSM signal indicator.

It is always on when there is no GSM;  
it flashes when GSM is normal;  
it flashes quickly when transmitting data.

**4.3** The yellow LED is the GPS signal indicator:

it is always on when there is no positioning;  
it flashes after positioning.

### **5.Installation for SIM of device**

#### **5.1 Preparation for the installation**

**5.1.1** Product Check. Open the packing box and check the device's model and accessories.

If the model is wrong or the accessories not complete, please contact the dealer.

**5.1.2** Choose SIM card. Please insert a SIM card to the device. Please take dealer's advice as reference.

**5.1.3** SIM card installation. Discharge the cover of the device and uncover the SIM card holder. Then insert the SIM card and cover SIM card holder.

**5.1.4** Put back the front cover and screw it up.

**5.1.5** Connect the device to the 9-100V power supply. (the red LED constant glow)

**5.1.6** Install the device in the hidden place of the car;

The SIM card must be with GPRS function and enough deposit. If your SIM card need input PIN when power on, please cancel it.

## **5.2 Installation for the Car/Motorcycle/E-bike**

The GPS tracker must be installed under professional personnel.

Note:

1) Please install the device in the hidden place as followings:

Under Front windshield;

In the front instrument panel;

Under back windshield;

2) Avoid being placed with signal radiators like reverse sensor ;

3) The device has GSM antenna and GPS antenna inside. Please ensure the receiving side of the device is face up and without metal cover.

Note: The metal cover will lessen the receiving of GPS signals.

## **6. Device wiring requirements**

**6.1** The device power supply is DC 9-100V. The red line is positive pole while the black line is negative pole.

**6.2** The negative pole of power supply connects with ground or the metals. Please do not connect with other ground lines.

**6.3** When finishing the power supply wire connection, please make the plug of power supply to the device

Any issue please contact the local distributors.