Command list

NO.	Item	SMS Command Format	Remarks
1	Check Device status	STATUS#	
2	Check Device Parameters	PARAM#	
3	Check Device Lat. And Log.	WHERE#	
4	Check version	VERSION#	
5	Set Server IP or Domain name	SERVER,1,domain name,port,0# SERVER,0,IP,port,0#	SET OK For example: SERVER,1,WWW.ZCBGPS.COM, 9891,0# SERVER,0, 47.254.174.70,6006,0#
6	Check Server Parameters	SERVER#	
7	Reset Device	RESET#	RESET OK
8	Open SOS alarm	SOSALM,ON,2#	SET OK
9	Add SOS Number	SOS,A,Number1,Number2,Number3#	SET OK
10	Del SOS Number	SOS,D,No.1,No.2,No.3#	SET OK
11	Check SOS Number	SOS#	
12	Add Center Number	CENTER,A,Center number# CENTER,A2,Center number# CENTER,A3,Center number#	SET OK set SOS number first
13	Del Center Number	CENTER,D,NUmber#	SET OK
14	APN#	APN Query	
15	APN,XXXX#	Set APN	
16	APN,XXXX,USER,PASSWORD#	Set APN and apn user,password	

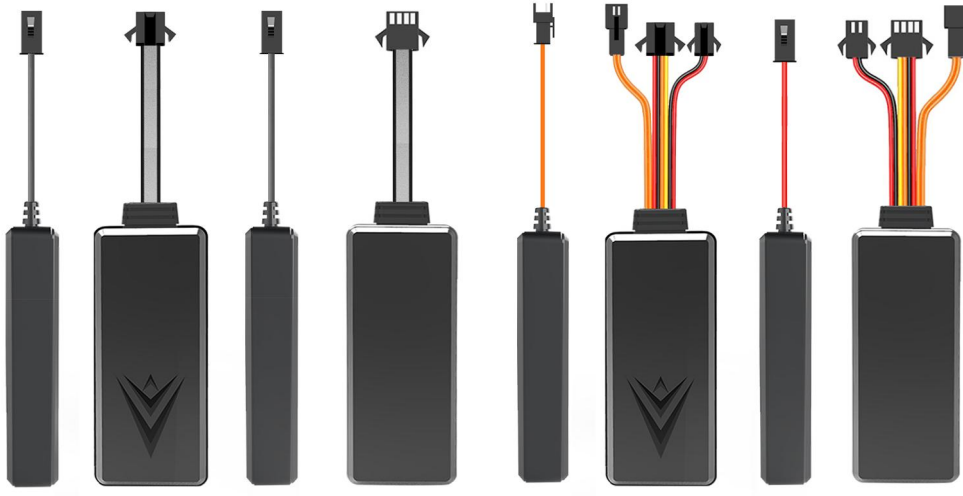| 17	Time Zone Setting	GMT,<A>,<b>,<b># A：E/W ； E (east time zone)， W (west time zone) ； Default is E B：0～12；time zone；Default：8 C：0/15/30/45；Half time zone； default：0	OK! The terminal will restart after 30 seconds!
18	Check time zone parameter	GMT#	Currently TIMEZONE(GMT): E,8,0
19	GPS Data Upload time interval	TIMER,T1,T2# T1=5～300 seconds；ACC ON time interval T2=5～1800 seconds；ACC OFF time interval	SET OK
20	Check time interval	TIMER#	HBT:10,300
21	Set Heartbeat time interval	HBT,T1,T2# T1=60～300 seconds，ACC ON timer interval T2=60～300 seconds，ACC OFF timer interval	SET OK
22	Check heartbeat time interval	HBT#	HBT:180,180
23	Check relay status	RELAY#	RELAY:0
24	control relay (optional)	RELAY,A# A=0/1 0 stands for on 1 stands for off Example: RELAY,0#	OK

25	Active Vibration alarm	SENALM,A,M# A=ON M=0～2； Alert methods: 0 only GPRS 1 SMS+GPRS 2 GPRS+SMS+CALL	SET OK
26	Inactive Vibration alarm	SENALM,OFF#	SET OK
27	Check Vibration Alert Status	SENALM#	SENALM:1 CALL:0 SMS:0
28	Vibration sensitivity adjustment	SENSORRANGE,5# （Value Range：1-255，5 is default value）	SET OK
29	check Vibration sensitivity	SENSORRANGE#	SENSORRANGE:5
30	Check Power Off Alert	POWERALM#	POWERALM:1 CALL:0 SMS:0
31	Inactive Power Off Alert	POWERALM,OFF#（default is active）	SET OK
32	Active Power Off alarm	POWERALM,A,M,T1,T2# A=ON M=0～2； 0 only GPRS， 1 SMS+GPRS， 2 GPRS+SMS+CALL， 3 GPRS+CALL （T1=2～60 seconds；detect power off time，default is 5；T2=0-3600seconds；ACC ON to OFF (the min change time，default：30seconds；）	SET OK
33	Active Low Battery Alert	BATALM,A,M# A=ON M=0～3 0：only GPRS 1：SMS+GPRS	SET OK
34	Inactive Low Battery Alert	BATALM,OFF#	SET OK
35	Check Low battery Alert Status	BATALM#	BATALM:1 SMS:1 CALL:0

36	Active Movement Alert	MOVING,A,R,M# A=ON R=100～1000　Radius M=0～2； 0 only GPRS 1 SMS+GPRS 2 GPRS+SMS+CALL	SET OK
37	Check movement alert parameters	MOVING#	MOVING:0-0 SMS:0 CALL:1
38	Inactive movement alert	MOVING,OFF#	SET OK
39	Active Overspeed Alert	SPEED,A,B,C,M# A=ON B=5～600 seconds；time range C=1～255km/h；Overspeed value range M=0～1； Alert methods， 0 only GPRS 1 SMS+GPRS	SET OK
40	Inactive overspeed alert	SPEED,OFF#	SET OK
41	Check overspeed alert	SPEED#	speed:0-0-0 SMS:0 CALL:1
42	Close ACC ON Alert	ACCALM,OFF#	SET OK
43	Check ACC ON Alert	ACCALM#	
44	ACC ON Alert	ACCALM,ON/OFF,M# ACCALM,ON,0# only GPRS ACCALM,ON,1# SMS+GPRS ACCALM,ON,2# GPRS+CALL ACCALM,ON,3# GPRS+CALL+SMS	OK;SW=1,MODE=2;

45	acc off alarm	ACCOFFALM,A,M# A=ON M=0～3 0 ： ONLY GPRS， 1 ： GPRS+SMS， 2 ： GPRS+CALL, 3 ： GPRS+SMS+CALL	
46	CLOSE ACC OFF ALERT	ACCOFFALM,0FF#	
47	CHECK ACC OFF ALERT	ACCOFFALM#	
48	Set SOS (SMS and Call alert)	SOSALM,ON,M# A=ON M=0～3； Alert methods: 0 only GPRS 1 SMS+GPRS 2 GPRS+SMS+CALL	SET OK
49	Set mode for sleep	SZCS#SLPDISCONNECT=A	A=0 Keep connecting with platform for sleep mode A=1 disconnect platform for sleep but SMS works A=2 disconnect platform for sleep and SMS not work
50	check work mode for sleep	CXCS#SLPDISCONNECT	
51	Restore Factory setting	FACTORY#	FACTORY OK

4G Vehicle GPS Tracker

CA003-4G   4 wires   CA004-4G   8wires

Relay & ACC   Relay & ACC & SOS & microphone

Camera & Relay & ACC & SOS & microphone

1. Product functions & parameters

1.1. Product functions:

Location query, historical route playback, geo-fence, inflection point supplementary transmission, blind zone supplementary transmission, parking report, voltage detection, overspeed alarm, displacement alarm, power failure alarm (optional), SOS emergency (optional), remote voice record(optional), voice broadcast (optional), temperature detection (optional), remote oil and electricity cut off (optional), remote photographing (optional), fuel level detection (optional), etc.

(Note: Different models with different functions, please refer to corresponding models.)

1.2 Product parameters
●Network standard: 4G, 3G, 2G (optional)
●Wide voltage input range: 9-50V/9-75V/9-95V (optional);
●Positioning time: average hot start: ≤3sec(open sky)
                                average cold start: ≤35sec(open sky)
●Positioning accuracy: ≤10m (open sky)
●Working temperature: -20℃-75℃
Important tips: Please install and use correctly within the tolerance range of the equipment performance, if any illegal installation exceeds the equipment performance tolerance range, all the consequences caused by the user shall be borne by themselves!

2. Product accessories and LED status

2.1 Accessories:

Standard: GPS tracker/harness/user manual/double-sides sticker

Optional: microphone, SOS button, relay, temperature sensor, camera.

2.2 LED status of GPS tracker

2.2.1 Red LED (power supply/working status)

LED status	Meaning
On all the time	Working normally
off	shutdown

2.2.2 Yellow LED (GSM signal status)

LED status	Meaning
Fast flash 1 time within 2 seconds	GSM initialization
On all the time	GPRS communication normally/online
off	GSM sleep/shutdown

2.2.3 Blue LED (GPS signal status)

LED status	Meaning
Fast flash 1 time within 2 seconds	GPS signal searching
On all the time	GPS located
off	GPS sleep/shutdown

3. GPS tracker installation instructions:

3.1　Preparation before installation：

① Open the packing box and check model, accessories are correct or not, otherwise please contact your dealer.

② SIM card selection, the terminal needs to insert a standard SIM card.

③ For the installation of the SIM card, confirm the orientation of the SIM card according to the type of the SIM card slot of the device, and place the SIM card correctly

Note:

⑴ Before installing or removing the SIM card, please switch off the power.

⑵ Please active the GPRS function of the SIM card.

⑶ Please active the caller ID display function of the sim card for remote monitoring (select to enable or not according to the function required by the customer).

⑷ If your SIM card has been turned on and asked to enter the SIM PIN, please refer to your mobile phone user manual to turn off the SIM PIN input function.

⑷ Please make sure that the SIM card has charges.

3.2 installation

The GPS device should be installed at hidden positions. We highly suggest that installed by professional technicians. Please note below items:

② Installation position should be as concealed as possible, and be waterproof.

② Keep away from emission sources, such as reversing radar, anti-theft device and other vehicle-mounted communication equipment.

③ The device finished with built-in GSM antenna and GPS antenna. When installing, make sure that the front is facing upward (toward the sky), and there is no metal object upside.

The recommended installation position as below:

⑴The hidden place in the decorative panel under the front windshield of the car.

⑵ Hidden places around the front dashboard of the car (the skin is made of non-metallic material).

(3) Under the decorative panel under the rear windshield of the car.

⑷Inside the car door or the center pillar.

⑸ In the dashboard of the electric vehicle/motorcycle or the hidden place under the rear seat.

3.3、 Definition of the cables

3.3.1 Please use the power cable provided by the original factory. The red cable is the positive pole of the power supply, and the black is the negative pole of the power supply. When installing the negative pole of the power supply, please choose separate grounding or grounding. Do not connect it with other grounding wires.

3.3.2 ACC cable (orange cable) connects to ACC switch. If the ACC automatic anti-theft function is required, the ACC line must be connected, and the device will determine whether to enter the fortified state according to the ACC state; if the ACC line is not connected, the vehicle will enter the fortified state. When the vehicle is running in the fortified state, vibration will trigger the vibration alarm.

3.3.3 The oil and electricity control cable (yellow cable) should be connected to the thin yellow cable on the relay (optional).

(Note: The wiring diagrams are different if different, the specific wiring should refer to the actual product.)

3.4 Steps for the correct use of the product: install → start → set → register

Install: When installing, make sure the GPS antenna face the sky, and the place above the installation location must be covered by materials that do not absorb electromagnetic waves (such as metal, explosion-proof insulation film).

Start: Install the SIM card in the correct direction, connect the wires according to the wiring diagram, and then switch on.

Set: It must be done, otherwise no other operations can be performed. Use the owner's mobile phone to send a text message to the GPS device SIM card number to set the owner's number and specific number.

Register: The registration method depends on the dealer's platform, and the registration method is also different. Please consult the dealer.

4. GPS tracker operation instructions

4.1 SMS command

The user uses the mobile phone to send SMS command to the SIM card number of GPS device (note SIM card should be activated the text message function).

4.2 App operation

Login the tracking platform:

Users can log in to the global positioning service platform provided by the dealer to check the lcation and status of the vehicle. For the service platform website, please consult your dealer.

1. login and check on web platform:

If individual users, please log in with the device ID number. The ID number is on the GPS device

and packaging box. When logging in to the platform, please select IEIM/license plate number to log in. The default password is: 123456.

For enterprise users and fleet management users, please log in by user name. The user name and password are set by the dealer, please contact the respective dealer to assign.

2. Login by Mobile APP:

If Android system, please scan the QR code download, and if Apple mobile phone user can search the APP name in the Appstore to download.

If individual users, please log in by the GPS device ID number. The ID number is on the GPS device and packaging box. When logging in to the platform, please select IEIM/license plate number to log in. The default password is: 123456.

If enterprise users and fleet management users, please log in by user name. The user name and password are set by the dealer, please contact the respective dealer to assign.
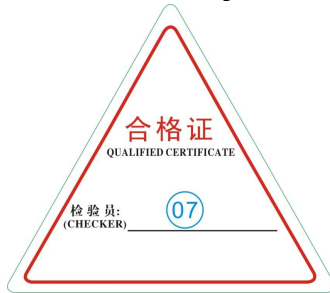
5. Trouble shooting.

Trouble shooting

When operating the GPS device, if it is not work properly, please refer to the following problems and solutions; if the problem still cannot be solved, please contact the dealer.

Common Problems	Reasons	Solutions
Poor signal	Test at areas where there are high buildings or underground parking lots, where radio waves cannot be sent or received normally.	Use it at a good signal place
platform shows device not activated after first installation	Main power supply connected correct or not	Do not connect to the main control line of the vehicle
	SIM inserted not correct	Check the SIM card
	Check LED status	Check if the indicator is blinking or steady
	SIM without GPRS activated or SIM card out of charge.	Please contact carrier to activate GPRS or charge
	Ip and port not correct (can check by SMS command)	Revise the ip and port by SMS command
Platform map shows incorrect location	GPS not locate	Please go to outdoor place where GPS signal is good
	Vehicle did not move after installation	Please drive the vehicle on the road
	ACC connected or not	Connect the device and turn on ACC
Platform shows the main power disconnect	Poor power supply connection	Check whether the power supply line of the device connected correct or not

Platform shows device offline	SIM card out of charge, or GPRS was canceled	Please check your SIM card
	Weak signal area	Please try again at good signal area

Warranty card

合格证
QUALIFIED CERTIFICATE

检验员:
(CHECKER)_____ (07) _____

Special statements:

1. If there is any technical modification for this product in the future, no further notice.

2. If the appearance or color of the product were changed, please refer to real product.

3. The warranty card is only applicable to product with IMEI number listed as below.

4. Please keep this card in good condition. Please present this card and the original purchase receipt when you apply warranty.

5. Please refer to the table below for the warranty range.

This card is the basic proof of the warranty. Please fill in the card carefully and keep it in good condition.

User Name		Telephone Number	
Address			
Model No.		IMEI	
Purchasing Date		Commercial invoice No.	
Seller Name			
Seller Add			
Seller Tel			

1. One year from the date of purchase, the non-human damage failure is guaranteed for one year;

2. Any of the following conditions is not covered by the warranty, but can be repaired if you pay the cost

   (1) Exceeding the warranty period;

   (2) Damage caused by unauthorized disassembly or repair without the authorization of our company;

   (3) immersed in water and the circuit board was burnt;

   (4) Damage caused by improper installation, use, maintenance or storage;

   (5) damage of outer casing caused by the improper use;

   (6) The IMEI number of the product is torn or blurred;

   (7) The warranty card and product model No. not match, or the warranty card was altered;

   (8) Damage caused by force majeure.