

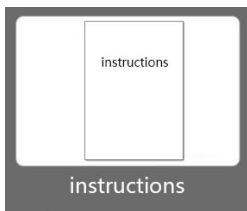
GPS Tracker User Manual

For Auto, scooter and motorcycle



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 . Accessories :



2. Technical parameter

- 1) .GSM : 850/900/1800/1900/Quad band
3G: optional
4G: optional
- 2) .GPRS: Class12, TCP/IP
- 3) .Working Voltage : 9-24V DC
- 4) .Working current : $\approx 22\text{mA}$ (12vDC)
- 5) .Working current : $\approx 12\text{mA}$ (24vDC)
- 6) .GPS locating time : Cold start= 38s (Open sky)
Warm start= 32s
Hot start= 2s (Open sky)
- 7) .GPS Precision : 10m (2D RM)
- 8) .Working temperature : $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- 9) .Working humidity : 20% ~ 80%RH
- 10) .Measurement : 87 (L) \times 43 (W) \times 14 (H) mm

4. Device status indicators

4.1 Connect DC 9-24V power supply and the red LED will light continuously.

4.2 The green LED glitters when searching the GPS signals. When GPS works, the LED lights continuously.

4.3 The intermediate blue LED (GSM signal state)

GSM signal is normal, blue LED light long bright. No GSM signal, the blue LED flashes.

GPS LED not fixed, flashes (0.2 sec/2 sec), Positioning long bright ;

GSM LED no signal, flashes (0.2 sec/2 sec), Signal normal long bright ;

Power LED: long bright;

All LEDs will turn off after 5 minutes. When there is a new call, the LEDs will relight and turn off 5 minutes later.

5. Installation

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 9-24V 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

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.

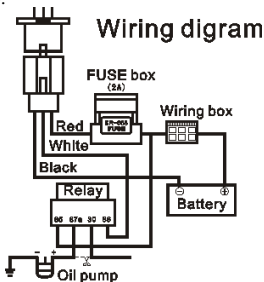
Note : The metal cover will lessen the receiving of GPS signals.6. The device connecting requirements.

6. Device wiring requirements

6.1 The device power supply is DC 9-24V. 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.



7.The Device Working

7.1 Power on: the device will be power on when connecting to the current. Then the three LED indicators will light continuously. The device will upload the data to the online platform (the default interval of uploading data is 10seconds). When the car is in static state for a long time, the device will be in energy saving mode and it will be more smart and precise.

7.2Power off : Pull off the power plug then power off the device.

8.User Settings

8.1 Set class instruction

1)CENTER		
Text command	Parameter	Sample
CENTER Add	710#number# 711#number#	710#13500135000# 711#13800138000#
CENTER Del	D01# D02#	D01# D02#
Command Description	1)Center number can control the oil and power and resume factory settings 2) Center number can receive the call and text of vibration alarm and over speeding alarm. 3) SIM must display the income call number to control oil and power. 4) Only one number can be center number. 5) Change center number must resend the command. 6)Add new center number by CETNER,A, and delete by CENTER,D	
Command Feedback	Successful Setting : Add admin account 1 OK!	

2) View administrator number

Text command	Parameter	Sample
View	901#	901#
Command Description	This directive is used to view Device Manager number.	
Command Feedback	Successful Setting: Admin1: Admin2:	

3) Authorized number set

Text command	Parameter	Sample
Authorized Add	101# number # 102# number # 103# number #	1: 101#13800138000# 2: 102#12345678912# 3: 103#12345678912#
Authorized Del	D11# D12# D13#	D11# D12# D13#
Command Description	1) Authorization number for SMS control oil. 2) only three numbers to set the authorization number 3) change the authorization number needs to delete the previous number	

Command Feedback	Successful Setting: Add Authorization account 1 OK!
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4) View authorized number

Text command	Parameter	Sample
View authorized	C10#	C10#
Command Description	This directive is used to view the equipment authorization number	
Command Feedback	Successful Setting: Authorization 1: Authorization 2: Authorization 3:	

5)APN

Text command	Parameter	Sample
APN Setting	802#username#password]	1 : 802#internet#123#123#
Command Description	APN differs according to the local telecom operators. For example : APN request password , please refer to Sample1 , and Sample2 for no password.	
Command Feedback	Successful Setting : SET APN OK !	

6) Set / view **SERVER**

Text command	Parameter	Sample
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SERVER Parameter	803#SERVER # port#	803#222.217.240.243#8011#
view SERVER	CIP#	1) CIP#
Command Description	Change the IP and port when move to a new server port : 10-65535 1 is domain and 0 is IP ;	
Command Feedback	Successful Setting : set IP OK!	

7)TIMER		
Text command	Parameter	Sample
TIMEER Parameter setting	730#uploading interval#	730#20#
Command Description	Time scope : 0 , 10-60 seconds ; 0,no data uploading ; 10-60,means time interval ; the default value is 15 seconds !	
Command Feedback	Successful Setting : SET TIMER OK !	

7) Alert on/off		
Text command	Parameter	Sample
Alert on Com mand	911#	911#
Alert off co mmand	910#	910#

Command Description	This command is used to set the alert on/off, against unknown movement or shake.
Command Feedback	Reply Set successfully

8)STATIC		
Text command	Parameter	Sample
STATIC	SUP# time interval#	SUP#5#
Command Description	Time scope : 1-60 minutes ; The device has 3D transmission and the default time interval are 5 minutes.	
Command Feedback	Successful Setting : SET STATIC TIME OK !	

9) Cancel the continuous upload		
Text command	Parameter	Sample
NUP	NUP#	NUP#
Command Description	This command is used to cancel sending data to the platform If need again to restore the upload , you need to send TIMEER Parameter setting or STATIC	
Command Feedback	SET OK !	

10)RELAY

Text command	Parameter	Sample
RELAYParameter1	222#	222# cut off oil and power
RELAYParameter2	333#	333# recover oil and power
Command Description	<p>1)RELAY control the start and closeness of the relay</p> <p>2) Only the center number can operate.</p> <p>3) the device only cut off the oil circuit on the condition of the driving speed below 20KM/H or in static state.</p> <p>4)When send the command, the device will reply “please waiting “When the vehicle speed is over 20KM/H, the device will cut off the oil or the power when the speed below 20KM/H.</p>	
Command Feedback	Successful Setting : Fuel cut has already been completed OK!	

11)GMT

Text command	Parameter	Sample
GMT	801#location, time#	801#E8#
Command Description	The default time zone is Beijing time. If time zone need revised, please operate according to the above command.	
Command Feedback	Successful Setting : Set time zone ok!	

12)VIBRATION

Text command	Parameter	Sample
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VIBRATION Parameter	123#2#,alarming way#	1) 123#2#3#
Set into vibration alarm time	V123#2#	1) V123#2# 2) V123#1#
Cancel vibration alarm	456#	456#
Command Description	the sensitivity value of the vibration is from 1 to 5 , 1is the most sensitive and 0 is close. Alarming ways: 1, calling 2, texting, 3 calling and texting. Must set the center number and receiving number.	
Command Feedback	set vibration alarm level , OK!	

13)SPEEDING

Text command	Parameter	Sample
SPEEDING Parameter	SSA#120# alarming way#	1)SPEEDING,120,3# 2)SPEEDING,120#
Command Description	The speed scope is form 60-220, if the speed is no this cope, the alarm is off. Alarming : 1, calling 2, texting, 3 calling and texting. Must set the center number and receiving number.	
Command Feedback	Successful Setting : set speeding alarm , OK!	

14)RESET

Text command	Parameter	Sample
RESET	930#	930#
Command Description	Reset the device	
Command Feedback	Successful Setting : Reset system, ok!	

15)FACTORY		
Text command	Parameter	Sample
Parameter	940#	940#
Command Description	Restore the factory setting Only center number can initial this function Factory setting will recover to the original setting	
Command Feedback	Successful Setting : FACTORY OK !	

16)LANG		
Text command	Parameter	Sample
LANG Parameter	LANG1# LANG0#	LANG1# 1:CHINESE , LANG0# : ENGLISH
Command Description	; When check the location, it will reply the Chinese location in Chinese language setting; while reply the URL link when in English language setting.	
Command Feedback	Successful Setting : SET LANG OK !	

17)WHERE		
Text command	Parameter	Sample
WHERE	988#	988#
Command Description	Check the longitude and altitude and other information of the device	
Command Feedback	Reply with longitude and altitude, speed and IMEL.	

18)URL		
Text command	Parameter	Sample
WHERE	666#	666#
Command	Check the location link of Google map	

Description	
Command Feedback	<Datetime:12-07-05 13:21:30> http://maps.google.com/maps?q=N22.540885,E113.95265

19)VERSION		
Text command	Parameter	Sample
VERSION	V00#	V00#
Command Description	The command is to check the software version	
Command Feedback	VERSION:xxxx BUILD:2012-07-05 10:12	

20)PARAM		
Text command	Parameter	Sample
PARAM	886#	886#
Command Description	The command is to check the settings and the default parameter.	
Command Feedback	IMEI:351190012535936 APN : cmnet IP:IP and port TIMER: moving uploading interval STATIC: static uploading interval CENTER: center number LANG: language(CN/EN) GMT: time zone (E/W8)	

21)STATUS		
Text command	Parameter	Sample
STATUS	902#	902#
Command Description	The command is designed for checking the device's working status.	

Command Feedback	External power:ON/OFF GSM Signal:HIGH/MIDDLE/LOW GPS:FIXED/UNFIXED RELAYER:DISABLE/ENABLE Vibrate Warning:ON/OFF Pause:ON/OFF
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9. Trouble shooting

9.1 The device is not online or offline on the web platform

9.1.1 First, please check the three LED working state. If possible, you can call the device's number to check.

- If not connected, the device is out of signal. If the GSM signals cannot reach your location, please drive to the open sky.
 - If reminding the device SIM card is out of deposit, please make deposit by the telecom operator.
 - If you can connect to the device when calling, the SIM card has deposited and please check with your operator for GPRS function. You also can check by searching the internet on your mobile phone.
 - If reminding the device is power off, please turn back the device and proceed as followings:
 - a) Check if the red LED is in constant glow. If the LED is dark, please check the power connecting. If fuse is broken, please return the device to the seller.
 - b) If the blue GSM LED is not in constant glow, please check the installation of SIM card.
- 9.1.2 Please check the offline area in order to judge if the network problem of operators.
- 9.2 When GPS cannot receive the signals, please drive in the open sky and ensure there is no metal thins on the device.
- 9.3 When the device cannot receive the GSM signal, please check the SIM card installation. If the GSM signals cannot reach your location (such as the basement), please drive to the open sky.

9.4 The red LED is not glow when power on. Check the fuse of the power line. If the fuse is fused, please change the fuse with the seller.