

DIY Car GPS Manual

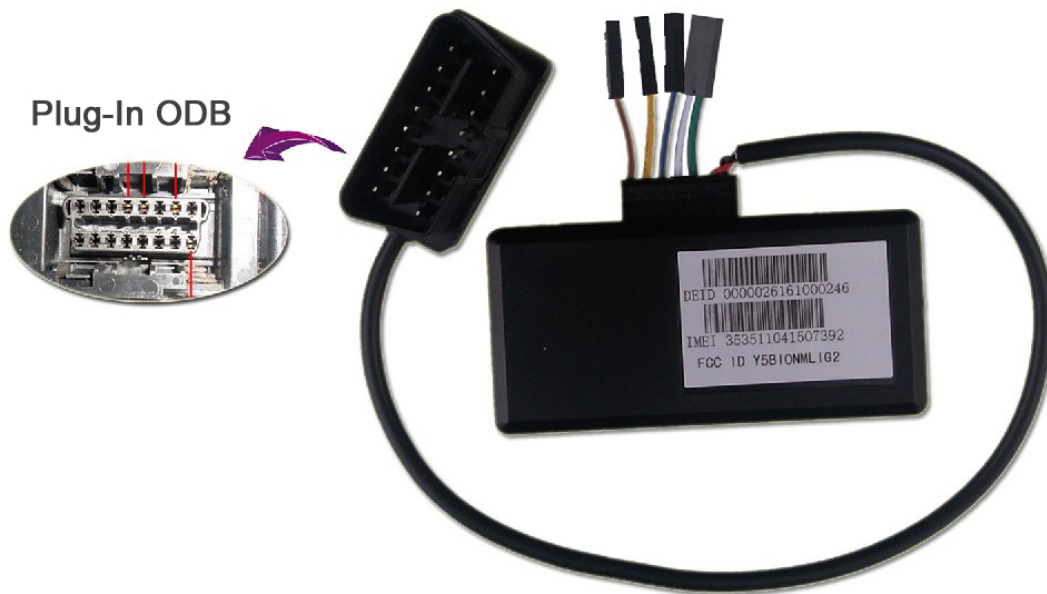


Volume:80*58*11mm

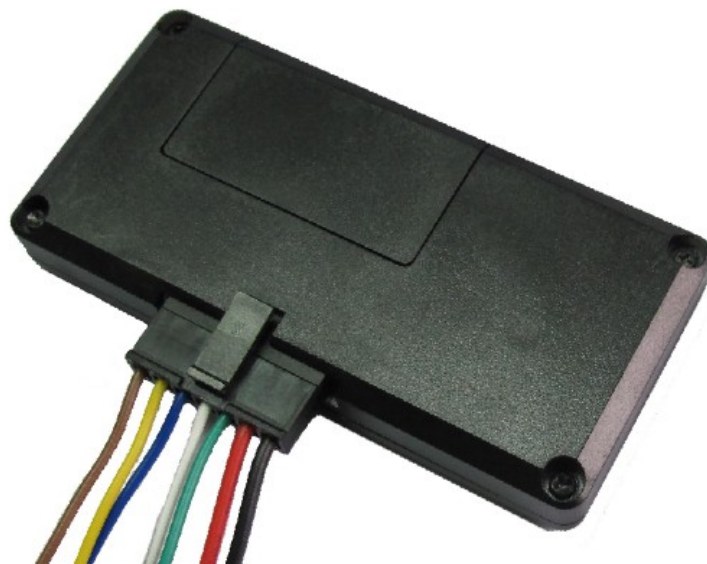
I, Appearance and Interface

The mini GPS is a vehicle tracking device by the GPS and GSM / GPRS combo modules of the vehicle remote positioning device. It is a smart size, high accuracy remote positioning devices. On the basis of the GPS, in the dynamic conditions to provide you accurate and unambiguous location information. Remote vehicle positioning device launch longitude and latitude coordinate to authorized cell phone. You can use these features to locate the management of their vehicles. The device default password is **0000**

Definition of the external wiring



Picture(1) DIY installation: Plug-In ODB



Picture(2) All installation: Pin from left to right

Pin1: Positive output relay control, voltage +12-48 V, the course is strictly prohibited ground. (Brown) , **Pin1 connect the relay white line,(Relay of the yellow line to connect power positive”+”, two blue line by line oil pump)**

Pin2: external state signal input TA, normal, low, high, said external event input (yellow),

Pin2 Connection ACC or the door

Pin3: Emergency alarm signal input SOS, normal high, low input trigger SOS alarm (blue),

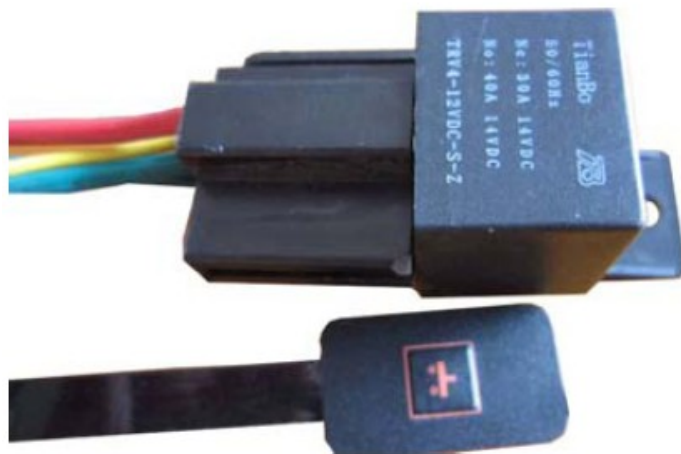
Pin3 Connection SOS button red line, (SOS button black line connection to GND)

Pin4: debug port to send data TX signal (white)

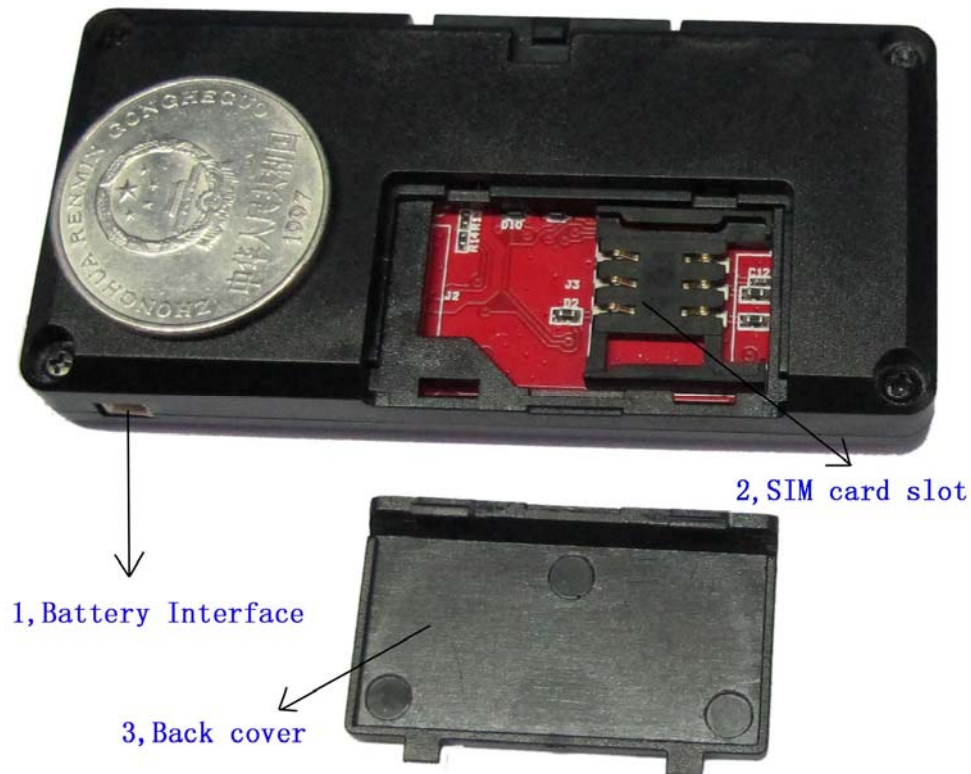
Pin5: debug port to receive data RX signal (green)

Pin6: positive external power supply input voltage range DC +12 -48V. (red)

Pin7: negative external power input, connected to GND. (Black)



Picture(3) Relay & SOS button



Picture (4) Battery interface and SIM card slot

As shown in the picture .1,Battery interface, 3.7V battery connected, When the power is cut off when the car, GPS will alarm.

II,Functions and features

- 1, Support wide voltage DC+12-48V
- 2,Supports quad-band GSM 900/1800 / 850/1900MHz
- 3,Support SMS and the Internet to check the location information
- 4,Support a single location and continuous tracking
- 5,Support the function of power off the oil
- 6,Support the power failure alarm
- 7,Support the electronic fence alarm
- 8,Support SOS button alarm

9,Using the most advanced GPS chip

10,Low-energy

11,Fast capture GPS / GSM signal

III, Product Specifications

GSM Module	MTK GSM900/1800/850/1900MHz
GPS Chip	SIRF3
GPS Sensitivity	-159dBm
GPS Center frequency	L1, 1575.42MHz
GPS Positioning accuracy	Less than 15m
Velocity Accuracy	0.1 m / second
Time accuracy	The same with GPS time
Default coordinate	WGS-84
Hot start time	1 Second
Cold start	38 Second
Maximum altitude	18000m
Maximum speed	515m/second
Gravity speed	<4g
Operating Temperature	-30~85℃
Humidity	5%~95%
Dimensions	80*58*11mm
Voltage	12-48V
Standby average current	Less than 80MA
Power supply	Wired or battery

IV, Operating instructions

1,Command:9860000 (0000 is password, If not specified, the following are the password)

Send SMS "9860000" to the unit will reply Latitude and longitude

For example:

Lat:22.57215

Long:114.09955

Speed:20

Direction:118.6

Date:2011-05-06

Time:12:10:50

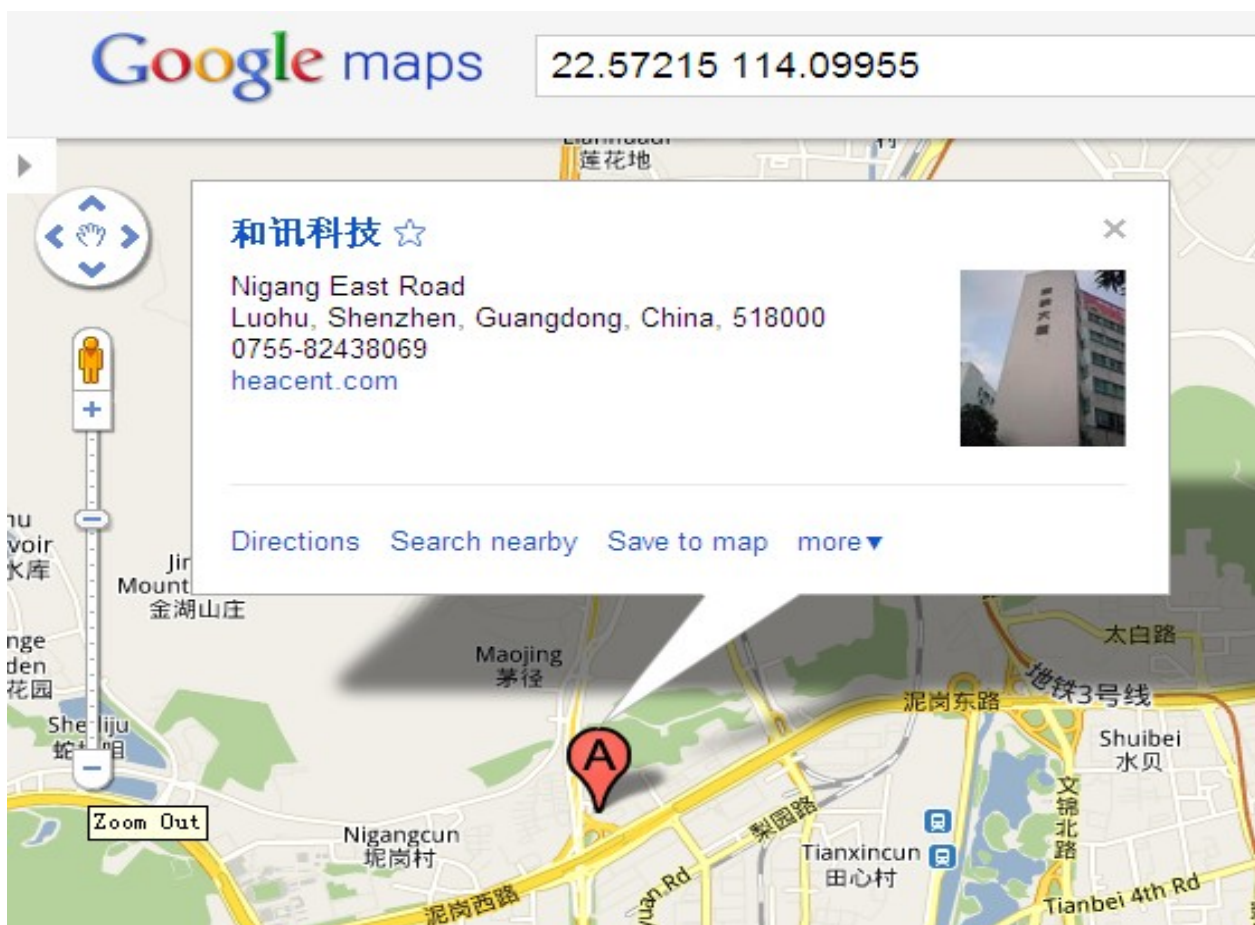
BS:460000262d0e4d

FIX:A

ID:353511041509378

State:0

the position data can be searched on GOOGLE maps using your computer. As the following picture(5)



picture(5) Check the position of latitude and longitude

2, Command:9850000

Send SMS "9850000" to the unit will reply in detail to address,

For example:



Picture(6) 9850000 response information

3,Command:9870000

Send SMS"9870000" reply Web Address

For example:

[http://maps.google.com/maps?q=22.57215, 114.09955](http://maps.google.com/maps?q=22.57215,114.09955)

Enter the site using the mobile device will see the location on the map

4, Set managers number

Command format: #710#<1~4>#manager number # user password ##

Received "710 ok" said set success.

For example:

#710#1#13600000000#0000## Set the first number

#710#2#13700000000#0000## Set the second number

#710#3#13800000000#0000## Set the third number

The managers number will receive alarm information when to hold the SOS button or

abnormal

For example, hold the SOS button for three seconds managers number will receive the warning message:

Warning: target alerting! 2011-08-16 15:06:15

<http://maps.google.com/?q=22.537510,114.031250>

5,Command:2220000 ,Close circuit function

6,Command:3330000 , Open circuit function

7,Set APN Command: #802#<APN>#<GPRS user>#<GPRS password>#<device password>##

For example: #802#cmnet###0000## (GPRS user name and password are empty)

8, Set the IP and port command: #803#< Server name or IP>#<Port >#< device password >##

For example:#803#192.168.110.118#7018#0000##

9, Setting GPRS Uploaded command:#730#60#1#0000## , This setting is 60 seconds a GPRS data upload, make sure your SIM card has been launched GPRS services.

After completion of steps 7-9, you can make real-time location devices, For example:

Real-time location query site: <http://www.gpsonline24.com>, the last 6 digits of device's IMEI for the user name, the password is 000000



Picture(7) Real-time tracking device

10, Read configuration command:#620#0000##

For example:

Imei:353511041500173

User:

Apn:cmnet

Server:192.168.110.118:7018

Upload:60 1

Offset:-0.005320 0.02700

11, Read version command:#600#0000##

For example:

Ver:M2616_V1.0.2

App:M2616_V1.0.2

Build:2011/05/23 16:05

Modal:2616

12,Package Contents:

- a. HC207 GPS host
- b. Power cable
- c . ODB connector
- d. CD user manual

Optional accessories:

- a. Relay