OBD GPS tracker with Diagnostic Manual

1. Product

1.1. Description

It is a intelligent terminal of wireless communication, GPS position, and OBDII diagnosis. Plug and play, easy install, no need help from professional people. Can be applied for tracking, anti-theft, track playback, vehicle situation checking etc. Can calculate the driving behavior like fuel consumption, rapid acceleration or deceleration through the ECU data.

1.2. Application

- Car anti-theft
- Car rental / fleet management
- Financial loans

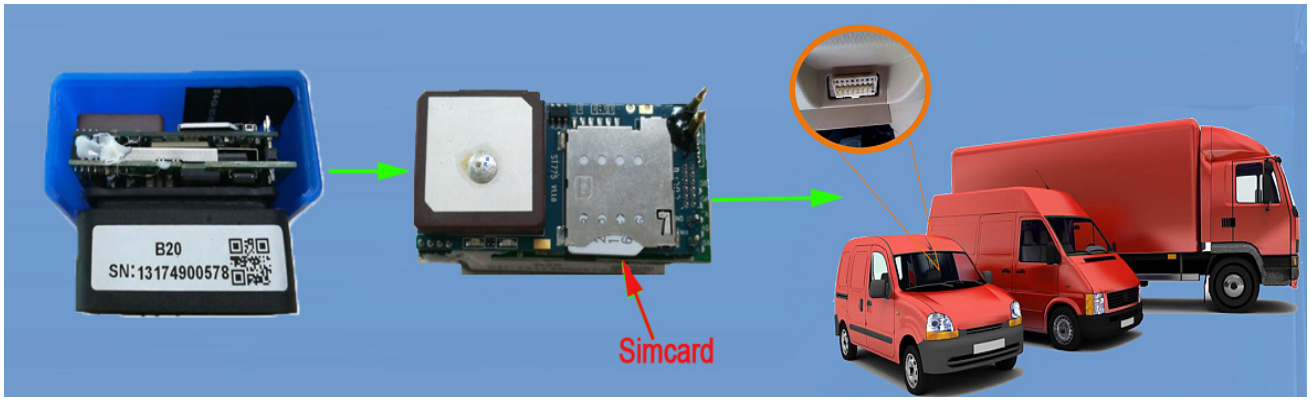
1.3. Functions & Features

- OBDII interface , 16 PIN
- Easy to install, plug and play
- GPS receiver
- Industrial Standard GSM/GPRS solution
- Upgrade remotely.

1.4. Specifications

- Working current：<110mA@12V
- Standby current：<10mA@12V
- Position mode ：GPS + LBS position
- Size：45.5mm×25.5mm×30mm
- Operating Temperature: - 20°C ~ 75°C
- Humidity: 5% ~ 9 5 %

1.5. Installation



2. SMS command

2.1. Set IP and Port

AS7777AT+MSERVER=61.144.222.116,2332,1;
Note: all the end of SMS command is ‘;’ you must add it

2.2. Set APN:

AS7777AT+APN=CMNET,USER,PWD;

2.3. Restart:

AS7777AT+RESET;

2.4. Configure

AS7777AT+CONFIG=SN01*47.92.120.235*1*6894*CMNET*13175001705*E8*15*5*0*30*3*1*3*360*;

1:TCP

6894，Port。

cmnet，APN string。

13175001705: mobile number(device ID)

E8，Time Zone is East 8。

15：interval while ACC is ON, unit :second.

5： Interval while ACC is off , unit: minute

0: update by distance, unit: meter, 0 is off

30：interval for shake hand message, unit: second

0：go to sleep while ACC is off (unit: minutes)

3：version

0：tag for event(default is 0, reserve)

2.5. Modify the Time Zone

AS7777AT+TIMEZONE=time zone

Time zone=E[0~12] or W[0~12]

For example : AS7777AT+TIMEZONE=E8

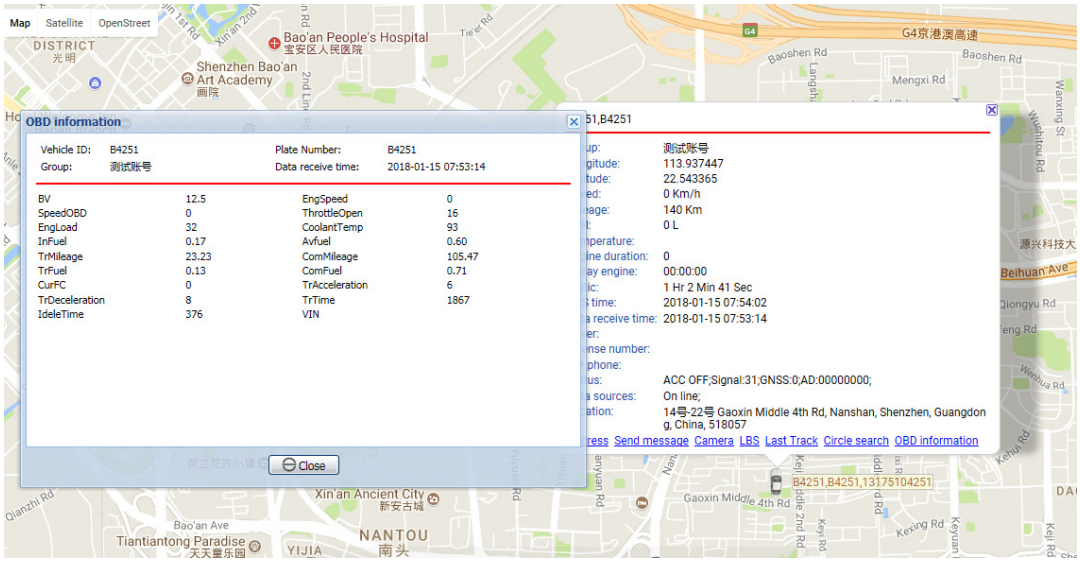
2.6. Set Over speed

AS7777AT+LIMITSPEED=100;
Set over speed=100KM/H

3. GPS Tracking system

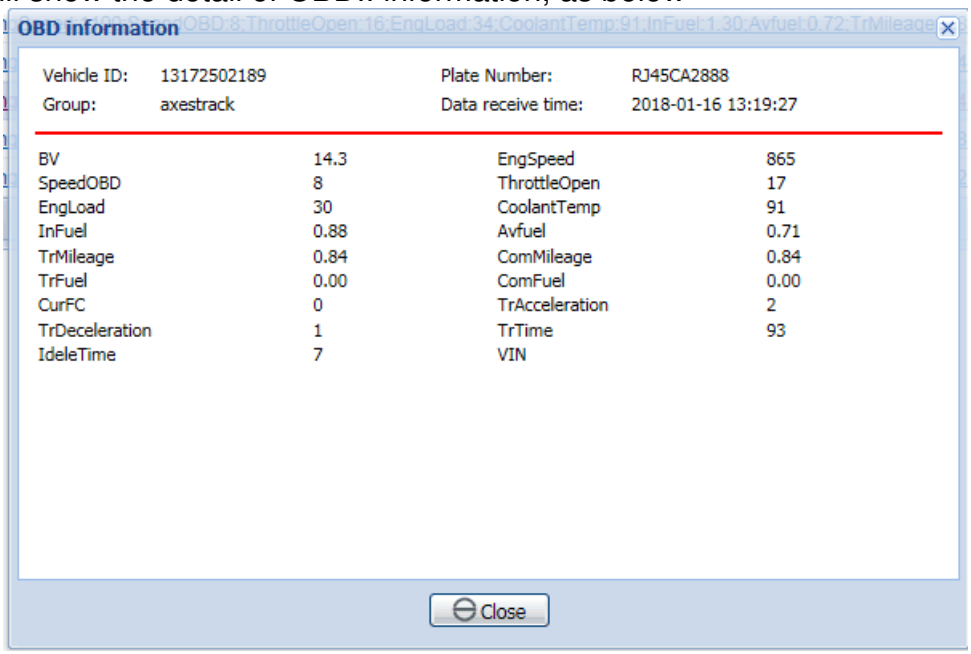
3.1. Real time tracking

On GPS tracking system, you will tracking the vehicle real time, it will show the position and status , as below.



The OBD data will be uploaded while engine is on, then you can get OBD information on the tracking system

Click [OBD], it will show the detail of OBDII information, as below



- Vehicle VIN

Host read and upload the vehicle VIN when vehicle starts.

- OBD Standard fault code

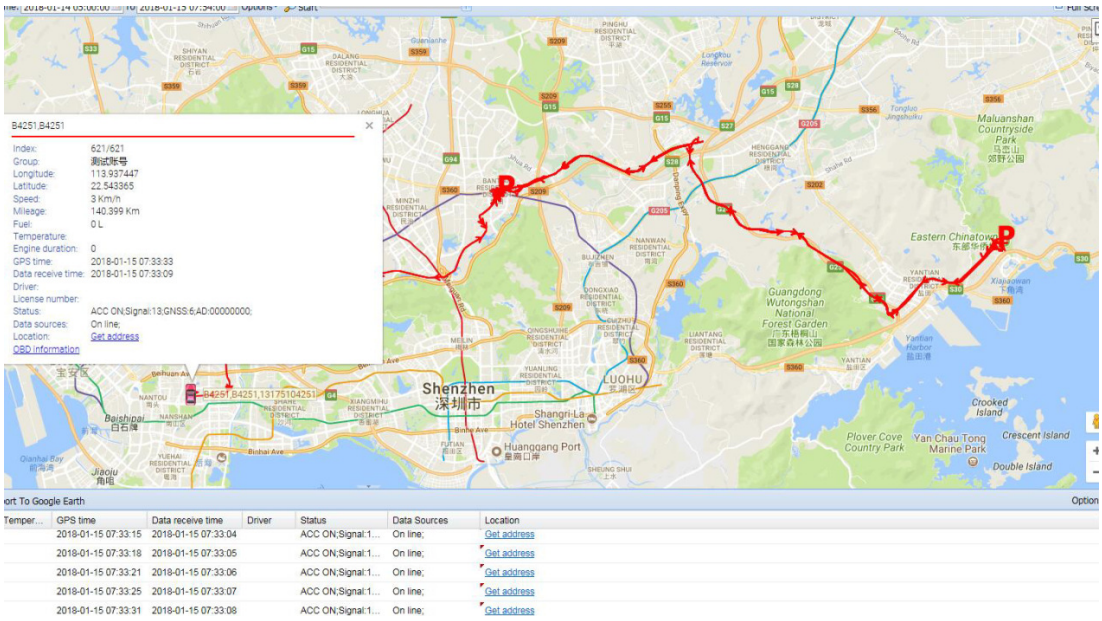
Read vehicle Standard fault code and upload.

- OBD Standard data stream

Engine speed, vehicle speed, battery voltage, throttle opening, engine load, coolant temperature, instantaneous fuel consumption, average fuel consumption, the mileage, the total mileage, the fuel consumption, the cumulative fuel consumption, the current number of fault codes, the number of acceleration, the number of slowdown and so on.

3.2. History playback

GPS tracking system will save the history data ,you can easy playback the history



3.3. Vehicle moving detection

G-Sensor three-axis acceleration sensor real-time perception of vehicle movement, such as illegal vehicle movement, vehicle collision, etc.

3.4. Driving behavior analysis

- Accumulated travel time/current driving time
- Accumulated idle time/The idling time
- Average speed
- The highest speed in history / the highest speed
- Cumulative number of rapid acceleration
- The mileage
- This time driving fuel consumption
- The idle fuel consumption