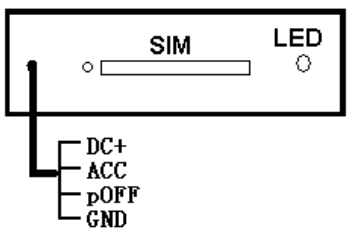
# GPS Mini Vehicle Tracker Instruction

# 1 Product Instructions


It is a mini GPS Tracker, build_in GPS Antena and GSM Antena, Size: 48*60*22mm, Weight:120g, it can send vehicle location and status to mobile and Internet. It can track the vehicles remotely. Tracker the vehicle on the Internet and with Mobile.

## 1.1 Interface



1、SIM: Port for SIM card

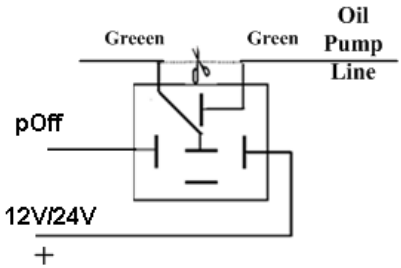
2、LED: Status light

3、DC+ connect to + of battery

ACC connect to Ignition Line

pOff connect to Relay to control Engine of auto

GND connect to – of battery




## 1.2 Installation Figure

Please test after installation. If you don't need some functions. Please make sure ACC, DC+, GND installed correctly. Otherwise, the device cannot work. Please check the device status through signal light after power on:

- LED flashes for one second which indicates GSM registers successfully.
- LED flashes three seconds once which indicates GPS is obtaining orientation
- LED is on which indicates work successfully that GSM has registered and GPS has obtained the orientation.
- If LED is on 0.1 second then off 0.1 second for more than 3 minutes, please make sure SIM card inserts well. Without SIM card, the device cannot work.

# 2 SMS Operation Instruction

SMS Format: A******,cmd,param1,param2…

1. ******is the password, Initial Password is 000000

2. cmd is the command ID.

3. Param is the command parameter. Different cmd use different parameters. All the parameters must use half-angle symbol. Wrong SMS format or wrong password, it will not respond.

## 2.1 Location Enquiry (000)

Message format: A******,000

e.g. **A000000,000**

**Reply: Longitude E113.93923 Latitude N22.54079 08-10-20 17:38:30, User could enquiry in** HTTP://maps.google.com.

## 2.2 Change Password (001)

Message format：A******,001,New Password

e.g. **A000000,001,123456**

Note:000000 is the old password ,123456 is the new password.

Reply：**Set Password OK!**

## 2.3 Real-time return setting (002)

Message format：A******,002, XXX

XXX=0 is for STOP, value of XXX is within [15~64800] seconds.

e.g. **A000000,002,30**

Message replied after successful setting: **Set time interval (30) OK!**Message contains position information will be sent in every 30 seconds after successful setting.

## 2.4 Alarm Number setting

Message format：A******,003,1, TelNumber

e.g. **A000000,003,1,136xxxxxxxx**

Message replied after successful setting：Set Telephone OK!

## 2.5 Over-speed Alarm Setting (005)

Message format： A******,005,XXX

XXX=[000,200] (unit: km/h)XXX=00 is close the function.

e.g. **A000000,005,020**

Message replied after successful setting: **Set Over speed (20) KM OK!**

If the vehicle is over speed you set, it will send alarm SMS to SOS mobile number. 20 KM/H Over speed!

## 2.6 e-Fence Setting(006)

Message format：A******,006,XX

XX =[00-50] (Unit:100m) .

When XX=0, e-Fence is OFF. And the maximum limited value of XX is 50*100=5000m. e.g. **A000000,006,10**

Reply: **Set Distance (1000)M OK!**When user is out of the bound region (e.g.

1020m), a prompt message will be sent to the user: **1020m is further than 1000m!**

## 2.7 Engine Cut-off Setting (007)

Message format: A******,007,X
X=0 cut off engine , x=1 resume engine, For security, this command will execute when the speed less than 20Km / h or the ACC is off .
e.g. A000000,007,0

## 2.8 Sleep Mode (021)

Message format: A******,021,X
X=1 Open Sleep Mode , x=0 Do not Sleep,Sleep Mode: The tracker will sleep,close the power of GPS Module when Acc is close(engine is off).

## 2.9 Restart Tracker (099)

Message format: A******,099,RESETSYSTEM.
It will restart the device after 30 seconds after receive the SMS, it will respone:Reset System OK!

# 3 GPRS Settings

## 3.1 Set APN (APN(Access Point NAME))

Message format: **A******,012,APN**
Length of APN is limited within 100 characters, E.g:**A000000,012,cmnet**
"cmnet"is the APN of China Mobile

## 3.2 Set the IP and Port of Gprs_Server

Message format: **A******,010,IP,PORT**
e.g. A000000,010,121.37.58.10,6902
121.37.58.10 is the IP of GPRS_server, 6902 is the port of GPRS_Server application (be in communication with GPS camera tracker)

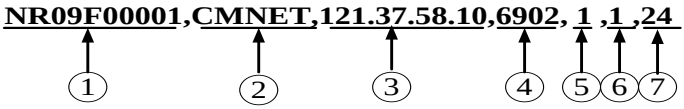
## 3.3 Open GPRS function

Message format: **A******,011,X**
**(note:x=1 open GPRS, X=0 close GPRS)**
e.g. A000000,011,1
GPRS function will be open, and GPS Camera tracker will send data to Internet,Users can turn off this function though send SMS: A000000,011,0

## 3.4 Query the GPRS Setting

Message format: **A******,004**

The device will send back GPRS setting parameters. You can check whether the parameter sets correctly by it.




（1）Device ID

（2）APN (China Mobile is CMNET, China Unicom is UNINET)

（3）Server IP address

（4）Server port

（5）GPRS open status（0- off ， 1- on）

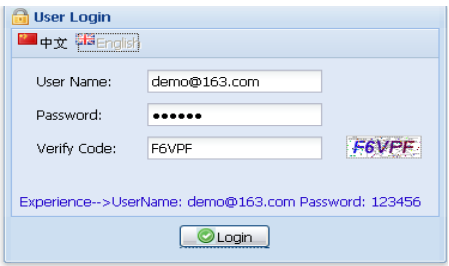
（6）GPRS connecting status（0- Internet is bad，1- work well）

（7）GSM signal value（1~31），if value<10 is too weak to work well.

# 4 GPS tracking system on website

## 4.1 User Login

Google Map can support many different languages. It can change language for local language by itself.



## 4.2 Vehicle real-time tracking

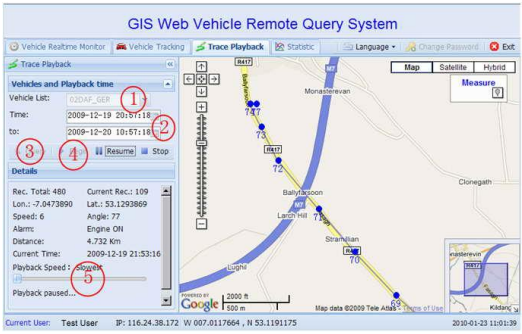
1 choose vehicle →2 map mode → 3.vehicle state, Google map have 3 model: map mode ,satellitic mode and Hybrid mode

Map mode satellites mode：


## 4.3 Vehicle history record playback

Please point run history review page

1 choose vehicle →2 start time → 3 inquire time → 4.setup review speed →5 start review process you can know that time date , speed , way and distance sum.


GIS Web Vehicle Remote Query System
Vehicle Realtime Monitor
Vehicle Tracking
Trace Playback
Statistic
Language
Change Password
Exit
Trace Playback
Vehicles and Playback time
Vehicle List:
02DAF_GER
Time:
2009-12-19 20:57:18
to:
2009-12-20 10:57:18
Resume
Stop
Details
Rec. Total: 480
Current Rec.: 109
Lon.: -7.0473890
Lat.: 53.1293869
Speed: 6
Angle: 77
Alarm:
Engine ON
Distance:
4.732 Km
Current Time:
2009-12-19 21:53:16
Playback Speed : Slower
Playback paused...
1
2
3
4
5
Map
Satellite
Hybrid
Measure
Monasterevan
Clonegath
Ballyfaddock
Larch Hill
Straffan
Lucan
Kildare
Google
2000 ft
500 m
Map data ©2009 Tele Atlas
Terms of Use
Current User:
Test User
IP: 116.24.38.172
W 007.0117664 , N 53.1191175
2010-01-23 11:01:39