

User manual of GPS&GPRS vehicle tracking system

(Model No.: GT-110S with Camera, Led display, RS232)



(GPS/GPRS Engine Hours Recorder)

Introduction

We released GPS&GPRS new release products launch to market.

- a. Model: GT-110S, Engine Hours Recording Tracking System
- b. Model: GT-110SC, Engine Hours Recording Tracking System with Video camera
- c. Model: GT-110SF, with Fuel consumption information

Technical data

Position Mode	GPS(With GPS SiRF-Star III chipset, OEM single board 20 channel GPS receiver ,C/A code: 1.023 MHz, chip TXCO Casing: fully shielded
Data Communication Mode	GPRS (GPRS class B, class 10)
Frequency Range(MHz)	850/900/1800/1900MHz (Optional)
Return Data Interval	5~9999 Seconds
Timing Position Report	No less than 20 Seconds, no higher than 5000 seconds
Data Packet Upload	No less than 10 Seconds
Position Data Return Mode	-Timely Data Packet uploads to server. -Automatically Return -Request Return with Manpower
Supply voltage	12V DC or 24V DC
Supply range	10~30V DC
Stand- by current	≤150mA
Static current	≤ 30mA
Peak Current	≤ 300mA
Work Temperature	-20~70C
Working humidity	20% ~ 80%
Other	Outlay Li-Polymer (1100 mA) backup battery Voice, memory storage, Data, TCP/IP
Size of the Mainframe	135mm×75mm×30mm
Mainframe N/W	0.25KG



Accessories

4P power wires, GPS and GSM antenna	0.15Kg
Siren	0.15Kg
Emergence button	0.1Kg
12V relay	0.2 Kg
LCD	3.25 Kg (790 * 135 * 45mm)
RS232 adaptor	0.1Kg
Data wires (for cam or LCD)	0.15Kg
Total weight	4.1Kg

Functions

Real time monitoring

- 1) Because of the main communication of the system are GPRS and the Internet. It makes GPS products can monitoring uninterrupted and implementation for the second time in the car, GPS control center can achieve real-time traffic monitoring.
- 2) GPS Orientation, GPS receiver will output a complete position.
- 3) Automatic Report Position/Status
Data content: vehicle status, ACC status, time, longitude latitude, speed, and direction:
 - a. Intelligent moving report (no less than 20 Seconds, no higher than 5000 seconds when in moving)
 - b. Intelligent stopping report (Automatic at every 3 minutes when stopping).
- 4) Engine running time recording(Triggered by 6-16 volt input, Can time record up to 99999 hours. exact to seconds.),
- 5) History data store even power off.
The device with a memory chip to store up to 512 messages even GPRS network unavailable and system can not send message to server.
- 6) History Playback.

You can Replay the track of the car what and when do you want to know. Include moving route, speed.

- 7) Remote modify vehicle setup,
- 8) Automatic keeps GPRS alive.
- 9) Speeding Report.
- 10) Domain name setting
(Fox example: FFIP:"TCP","WWW.ABC.COM","8010")
- 11) Geo-fence. When UNIT is out of these predefined zones, a report will be generated.
- 12) Cut off power and gas supply
- 13) Emergency Button
- 14) One temperature sensors.(For Automotive temperature range -50~100 °C, ±1°C)
- 15) Web-cam install, transfer the photo every 30sec.
- 16) LCD (user programmable)

All the functions should be according to products in the box.

Product components (for basic function)

1 of Mainframe, 1 set of GSM/GPRS antenna, 1 set of GPS antenna
1 set of Power cords, 1 of User Manual

Power supply

1) The standard electric supply of this system is +10V-30V, with the red wires positive and black one negative. Do not make the positive electrode use together with the following device:

Storage battery;

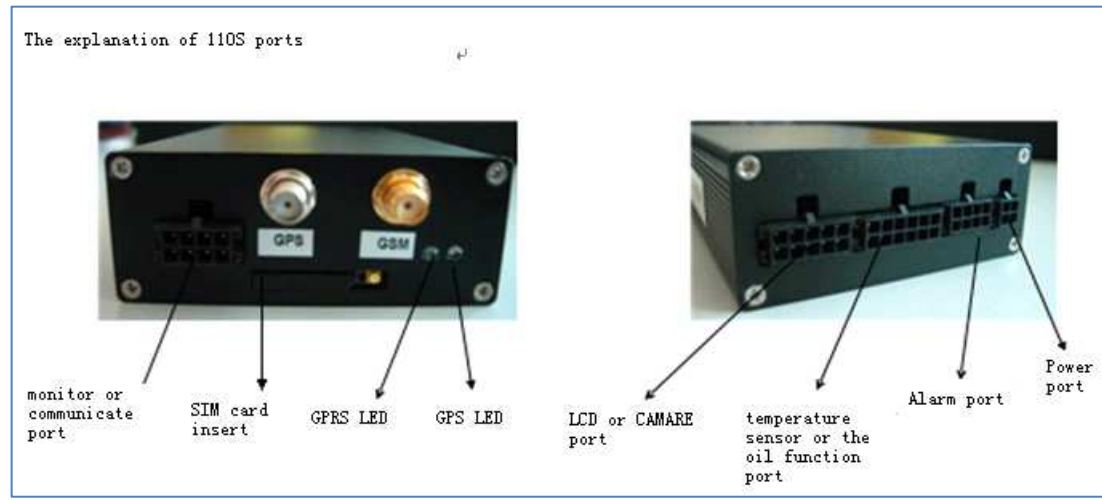
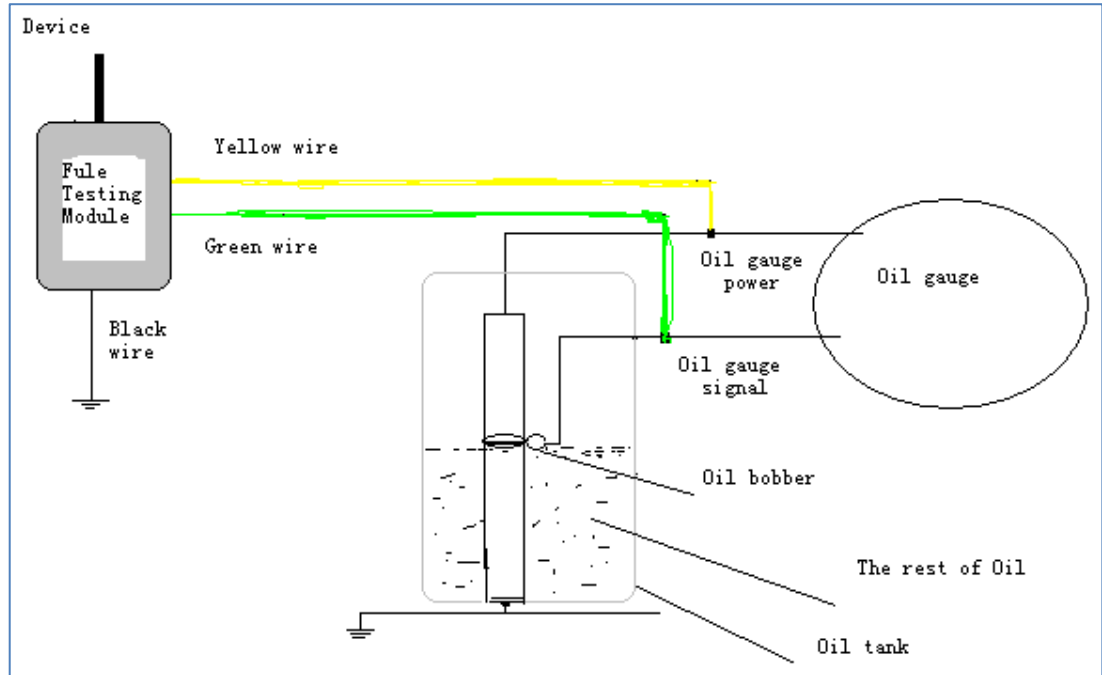
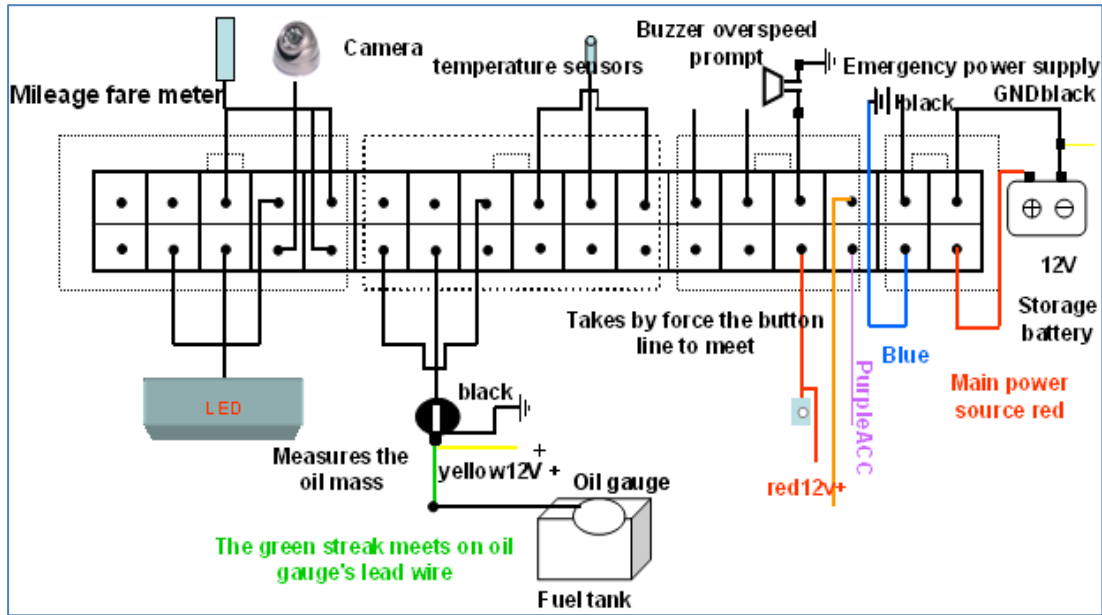
Vehicle ignition switch;

Other alarming system

2) The Negative electrode has to connect earth singly, ground earth. No connecting together with other ground wire.

Wiring diagram

Panel Envisage diagram (View of face to the port)



LED indication

LED red flash: device landing server,

LED long red: device landed server.

LED green: with gps signal

Unit ID number

Side of device with unit's ID number.

Each device has its own unique ID and must be registered in the server in order to perform monitoring or controlling.

PC Setup and system initialization

How to setting the basic parameter?

Connect the adapter with RS232 cable to the PC port; one of data port connects to device and other two of wires (red and black) connect to 12V DC power supply.

Attention

- 1) Do not omit the punctuation which writes in the data.
for example: Colon, semicolon, dot, quotation mark, and comma.
- 2) Do not need to set up the unit ID.
Please check the number which stick on the device, this is the identity number of the device. You also can see the ID by set up the configuration of the plug.
- 3) Equipment can not access the server if there is mistake on setting. (the indicator does not light in red color for long time) Please wait for 3 seconds when turn on the power supply.

How to search your car

<http://gsm110.vicp.net/b/>

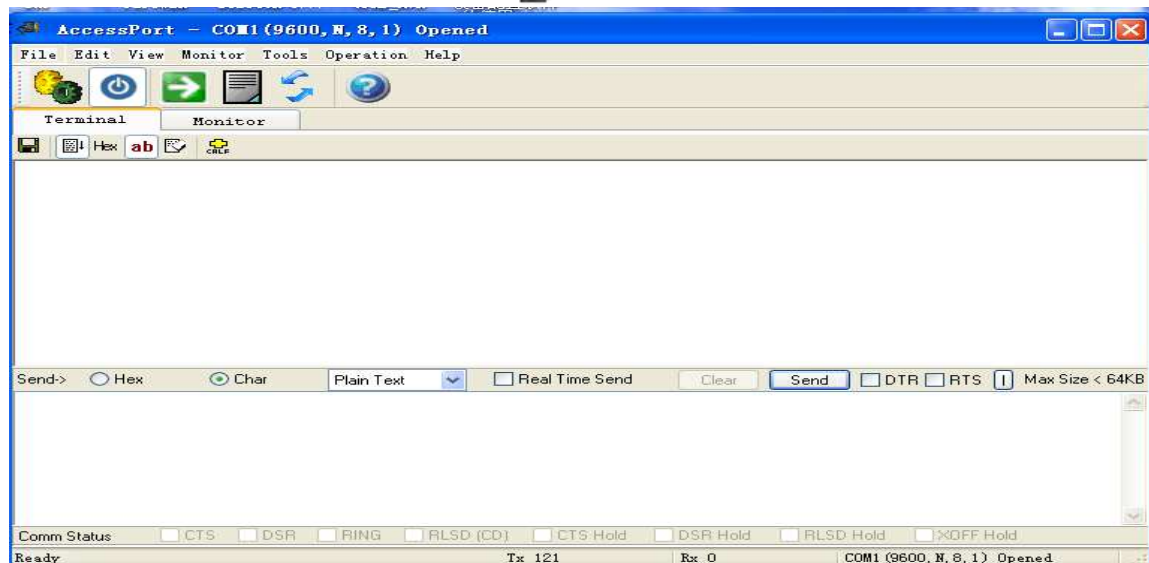
Username: ber001

Password: ber001

We strongly recommend you to buy a sample have a test

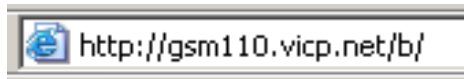
When you buy a sample, there are necessary steps to do.

- 1) Set up you own IP in the access port.



- a. E.g.:
Your IP is FFIP:"TCP", "211.162.76.154", "7010"; and then send your APN
(GPRSAPN:"vpn.vodafone.ro", "vpn.vodafone.ro", "vodafone");
- b. This dialog window with direction border for send and receive, please fill in your command
in the bottom border to send data to the device.

- 2) Check your car in the internet.



Fill your own name and password in the internet

UserName :

Password :