GPS Tracking Device

Model NO.: M558S

User Manual

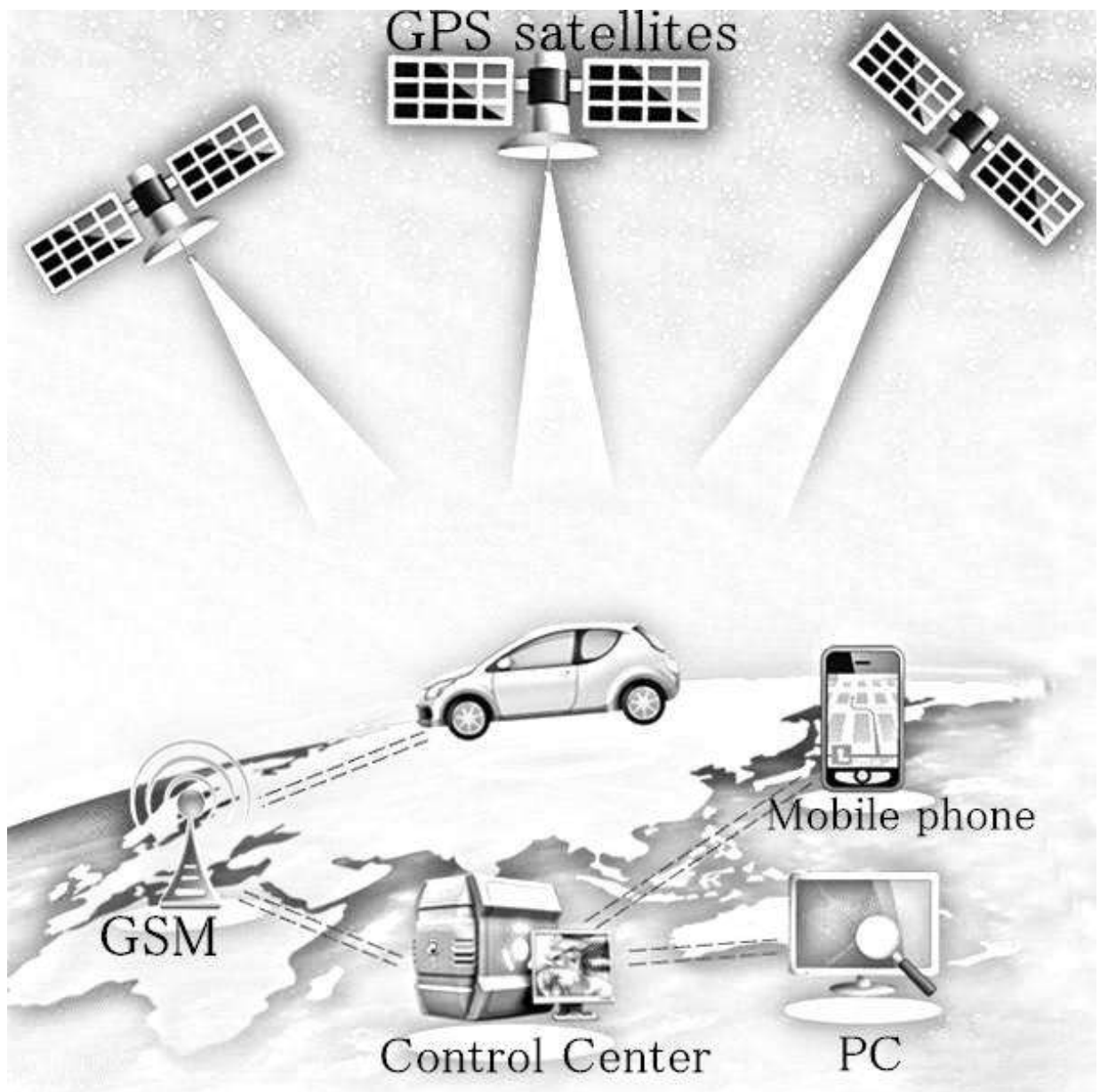**Version ：Rope-E18091501**

Notes:

- Please mount the device steadily on the flat place before using;
- Please make sure the voltage value is right before connecting with battery, and placing the wires to where shouldn't be trodden;
- Please power off when plugging or taking out of any module or connector;
- Please keep the device dry and don't let any liquid fall into the device in case any damage caused in the device or circuit;

If any problem caused as follows, please turn to professional technician:

- When power wire, keyboard, or socket are damaged;
- When liquid infiltrating into the device;
- When the device work unusually or cannot resume to normal even operated according to the instruction;
- When the device cannot work as usual after falling, throwing or breaking;
- When there is obvious damage in the device.

1. Product Introduction

GPS Tracking device mainly consists of two parts such as GPS module and GSM module. GPS module is for getting location data from satellite, and GSM module is for transferring data to server so that people can check the information via PC or mobile phone. Our GPS Tracking device, with the best quality, stable performance and versatile functions，can be applied to various kind of fleet management like construction trucks, rental cars, logistics vehicles and public transportation, anti-theft system and security purpose.
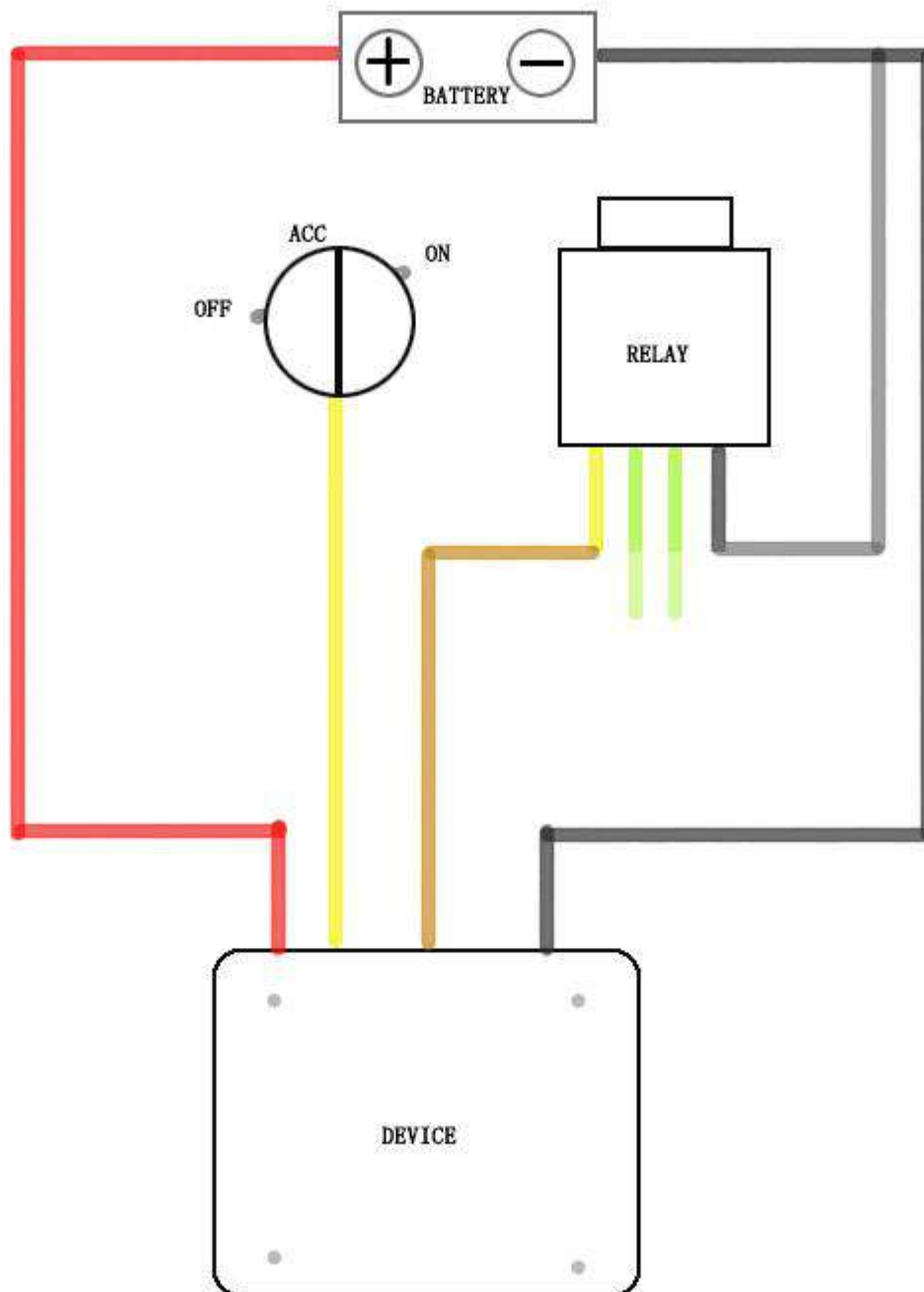
2. Characteristics

1) GSM 850/900/1800/1900 Quad band

2) Wide for voltage input range: 7-100VDC

3) GPS continuous positioning, GPRS timing interval

4) ACC detection

5) Cut off engine remotely

6) Get location via SMS & web platform & APP.

7) Built-in G-sensor, theft-proof

8) Setting three phone numbers for alarm alert

9) Power off alarm when the power supply is disconnected intentionally (with backup battery)

10) Support geo-fence alarm, over speed alarm

2.1. Specifications

Items	Parameters
work voltage	7VDC-100VDC
work current	30mA-55mA
GSM module	inside contain frequency GSM 850/900/1800/1900Mhz
Communication protocol	TCP
GPS module	GPS SiRF-Star III
GPS sensitivity	-157dBm
C/A coding	1.023 MHz chip rate
Channels	22 channels examine track
Position accuracy	5m
Cold boot	35s
Work temperature	-20～70℃
Humidity	5% to 95% noncondensing
Terminal size	60mm × 32mm ×13mm
Gravity Acceleration	<4g
Operating Temperature	-20℃—65℃
Humidity	5%—95%
weight	50g

2.2 Device wiring diagram

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Red wire	Connect with positive of power
Black wire	Connect with negative of power & black wire of relay
Yellow wire	Connect with ACC detection
Brown wire	Connect with yellow wire of relay

3. Method of installation

3.1. Preparation before installation

3.1.1 Open the packing box to check whether the type of device is correct and whether the accessories are included.

3.1.2 Choose SIM card: each device needs to insert a 2G SIM card.

3.1.3 Installing SIM card into the tracker.

Note:

Please power off M558S before installing sim card, and please open GRPS data and charge money for the sim card. Please ensure the SIM card is able to send and receive SMS.

Sim card holder

3.2 Installation

NOTE:

3.2.1 To prevent theft of the device, it should be installed as covertly as possible. Covertly installation is suggested.

3.2.2 Avoid placing the device close to higher power electrical devices, such as reversing radar, anti-theft device or other vehicle communication equipment;

3.2.3 The device should be fixed into position with cable ties or wide double-side tape.

3.2.4 The device has built-in GSM antenna and GPS antenna. During installation, please make sure the receiving side face is up, with no metal object above the device to interfere with GPS reception. The following places are suggested for installation:

-shelter in the decorated board below the front windshield;

-shelter around the front instrument panel (non-metallic material face);

-in the decorated board below back windshield;

4. Web based tracking online activation

4.1 Open website **www.overseetracking.com** and login with the user & password that provided by Rope.

4.2 Click **Information Management**

4.3 Click **Vehicle Tracker List** and you will see all your vehicles are listed there. Please note, to add more devices, please contact your sales.

Please check the **Tracker Status**, if it is **Unactivated**, please click **Activate**. If it is **Activated**, please click **Edit**.

4.4 Click **Activate**, please fill in the blanks marked with red *. You also can fill in other blanks to complete the device information.

4.5 Click **Next Step** and fill in the requested blanks.

4.6 Click **Next Step** to fill in sim card APN information. Please select the telecom name, if the telecom is not listed there, please click **Enter Telecom Name** to fill in the sim card telecom name.

4.7 Click **Next Step**, OVERSEE gives the configuration SMS to you. Please copy it and send it to the gps device, after you receive reply from the gps device, it should be online.

4.8 Click **Finish**--**Tracking Map** to see if the gps device is online or not.

5.SMS configuration

Function	Command	Notes
Change SMS command setting password	**C,*old_password*,*new_password*** Eg : C,*123456*,*666666*	Default password is 123456 Replied SMS: Config OK=Set successfully Config failed=fail to set

Check the current location by SMS	**T,*password***	After sending this command to device successfully , it will reply a location Google Map Link, you can check where the car is by clicking Link .
Set GPS location uploading interval time	**SET+TIME=T1,T2,*PASSWORD*** Eg: SET+TIME=30,300,*123456* T1 is the interval time when ACC is ON, T2 is for ACC OFF, uint is second.	Config OK=Set successfully Config failed=fail to set
Disable Engine	CLOSE OIL,*PASSWORD* Eg: CLOSE OIL,*123456*	The device will enable the engine after receiving the command
Enable Engine	RESTORE OIL,*PASSWORD* Eg: RESTORE OIL,*123456*	The device will call back to the phone number who sent the command
Set working mode	**POWER=val,*PASSWORD*** eg: POWER=1,*123456* val=1 means the tracker will go to sleep mode and do not upload GPS location data, and then start to work when the car start, and then sleep again when car stop. val=0 means the tracker will always working no matter the status of the car.	Config OK=Set successfully Config failed=fail to set

6．Trouble shooting

6.1. After installing it in the first time, if device cannot get connected with platform server, at this time it is "logged off" status in platform.

Follow the instructions one by one as below:

1) Call the device to see what happens.

   It rings: go to the next step.

   It not rings:

a) check whether the SIM card installed correctly or not. Check whether the connection of power-line is correction or not . (Details: If the users are testing the device in office or at home, M558 has to connect with 12V DC external power supply. If it is tested in the car, make sure the installer connect all the cable correctly.)

b) Check the LEDs' status. In normal working status, the LED on the main board will light up.

c) Check whether the vehicle is in no GSM area, such as basement;

2) Check whether the device reply after sending SMS command.

   It replied:

a) Check whether the APN is correct or not,

b) Whether the port is correct or not,

c) check whether the SIM card support GPRS.

It not replied: check the SMS command format, make ensure it is correction.