

GPS Tracking Device

Model NO.: M558S

User Manual

Version : Rope-E18091501

Notes:	1
1. Product Introduction	2
2. Characteristics.....	3
2.1.Specifications	3
2.2 Device wiring diagram.....	3
3. Method of installation.....	4
3.1. Preparation before installation	4
3.2 Installation.....	4
4. Web based tracking online activation.....	5
5. SMS Configuration	5
6. Trouble shooting.....	6

Notes:

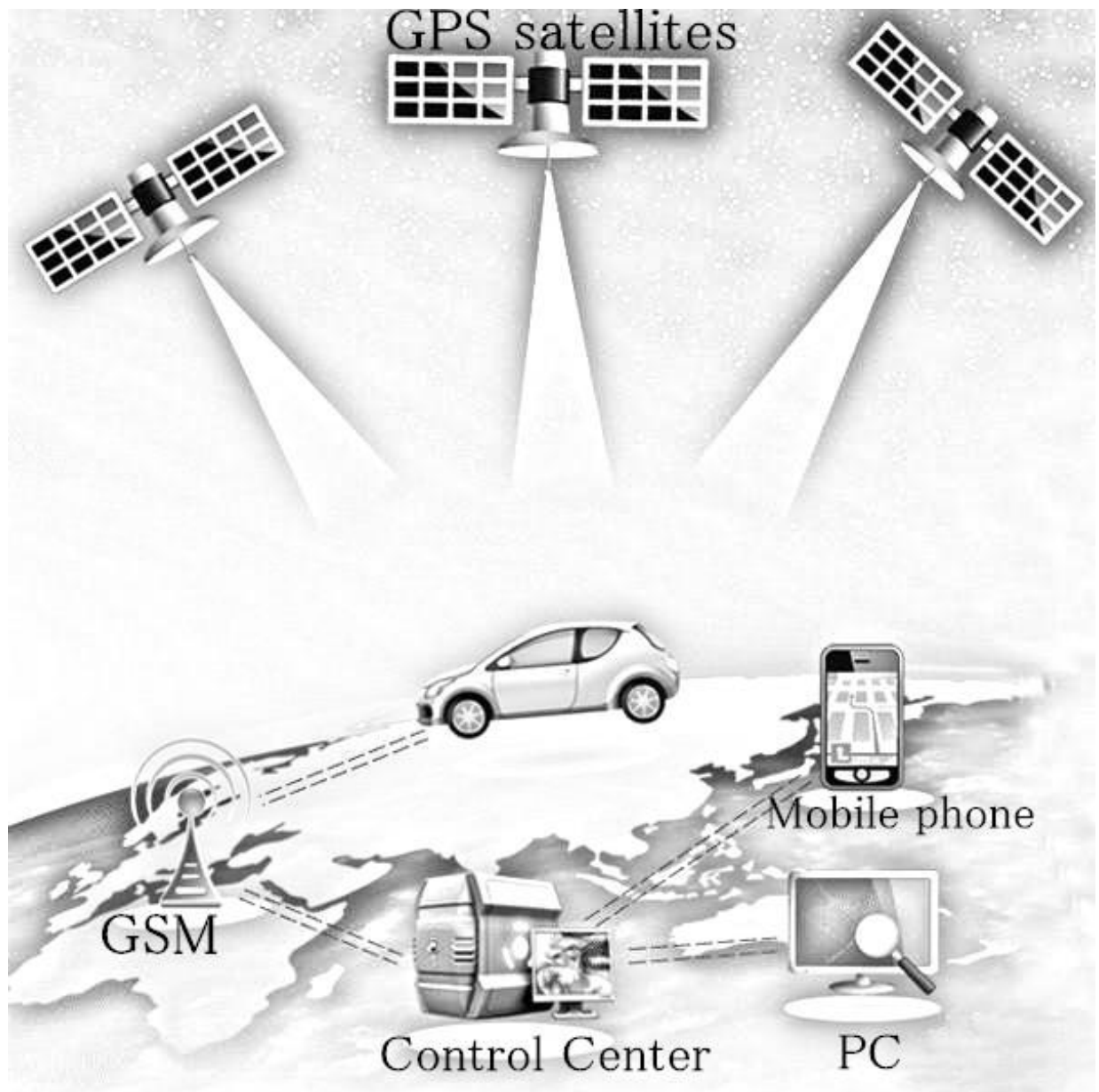
- Please mount the device steadily on the flat place before using;
- Please make sure the voltage value is right before connecting with battery, and placing the wires to where shouldn't be trodden;
- Please power off when plugging or taking out of any module or connector;
- Please keep the device dry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

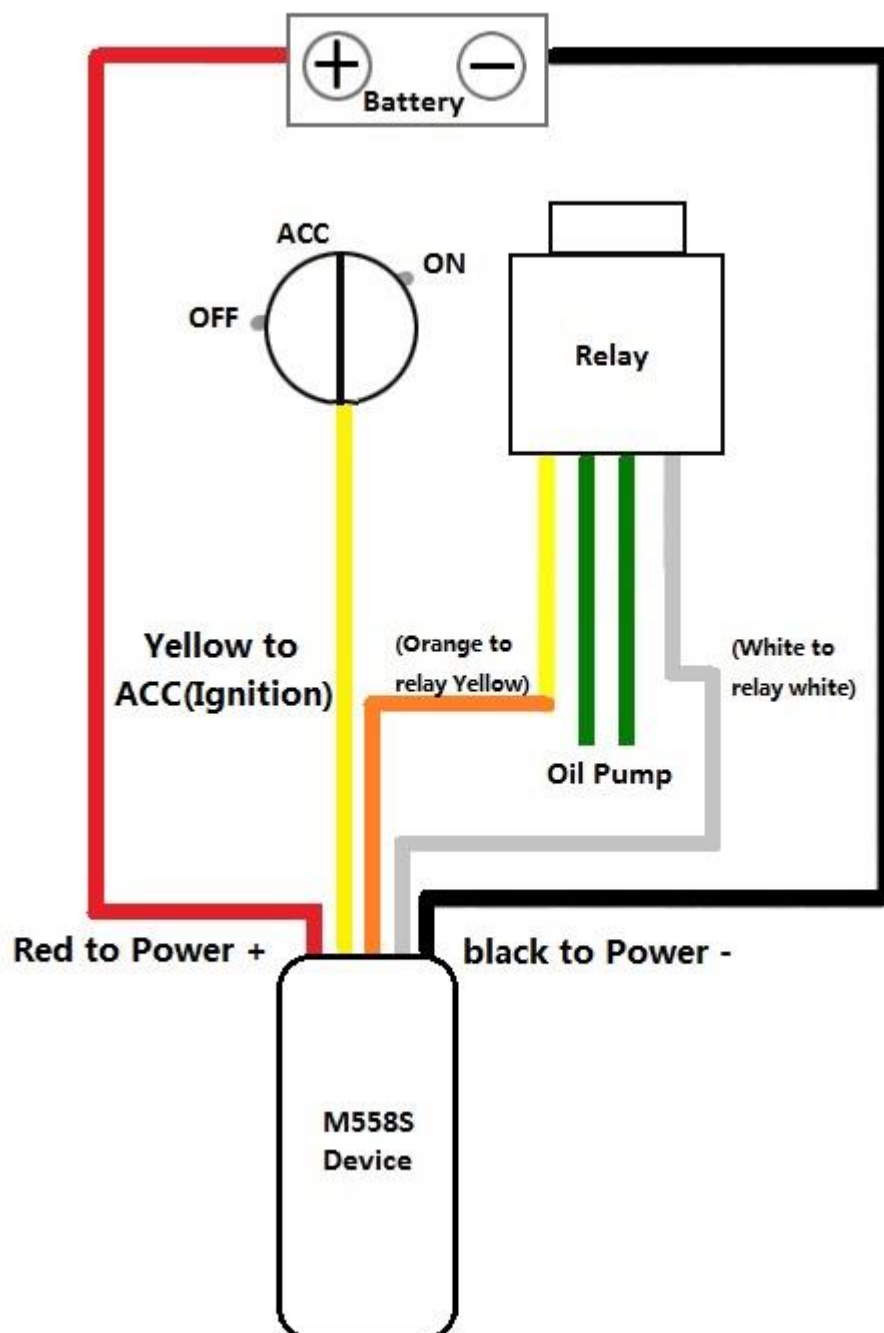
- 1) GSM 850/900/1800/1900 Quad band
- 2) Wide for voltage input range: 7-100VDC
- 3) GPS continuous positioning, GPRS timing interval
- 4) ACC detection
- 5) Cut off engine remotely
- 6) Get location via SMS & web platform & APP.
- 7) Built-in G-sensor, theft-proof
- 8) Setting three phone numbers for 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(3mA for sleeping mode)
GSM module	MC20
GSM frequency	850/900/1800/1900Mhz
Communication protocol	TCP
GPS module	Built-in
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°C
Humidity	5% to 95% noncondensing
Terminal size	73mm × 26mm × 13mm
Gravity Acceleration	<4g
Operating Temperature	-20°C—65°C
Humidity	5%—95%
weight	50g
Internal battery	3.7V, 55mAh, 0.204W

2.2 Device wiring diagram

Red wire	Connect with positive of power
Black wire	Connect with negative of power & black wire of relay
Yellow wire	Connect with car ignition
Orange wire	Connect with yellow wire of relay
White wire	Connect with white 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.

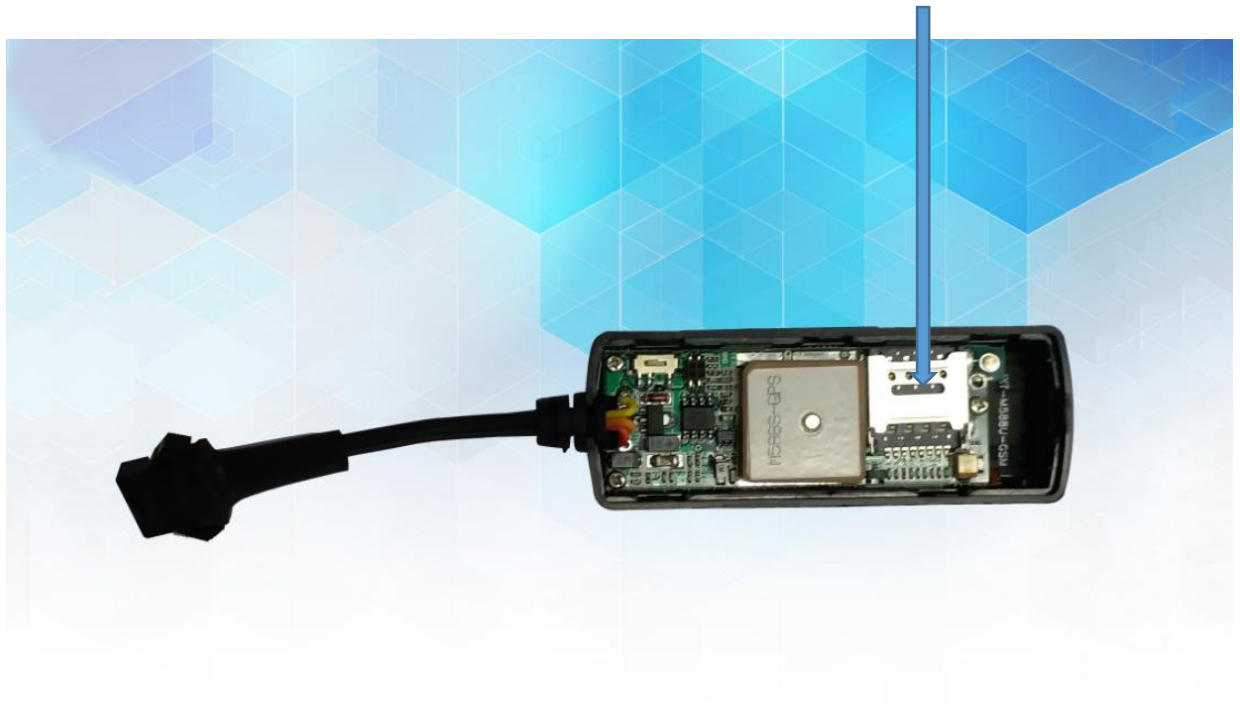
3.1.2 Choose SIM card: each device needs to insert a 2G SIM card.

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**.

Plate Number/Name	Tracker Model	Tracker Information	Installed Accessories	My Service Expiring Date	Sub-user's Service Expiring Date	Vehicle Owner	Tracker Status	Operation
	DJ808	ID: 13000000157 IMEI: 094027949470 Phone number:					Unactivated	
 M-23 UAQ 246K	DJ808	ID: 13000000158 IMEI: 011653707339 Phone number: +25619666820185	 RL12: 12V Relay  Mic-Rope: Mic-phone		2019-07-24	Stephen Kibuuka Tel:	Activated 2018-09-08 06:03:18	  <i>this is edit</i>
 unknown	DJ808	ID: 13000000159 IMEI: 011752301171 Phone number: +25611752301171	 RL12: 12V Relay  Mic-Rope: Mic-phone				Activated	 
 H 10	DJ808	ID: 13000000166 IMEI: 011752301172 Phone number: +25611752301172	 RL12: 12V Relay  Mic-Rope: Mic-phone		2019-07-24		Activated 2018-09-08 06:04:00	 

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



Use Default Icon

Belongs to Group: None Group

Plate Number/Name*

Required

Country*

Please select

Vehicle Type*

Please select

Login Password via Plate Number/Name

123456

Purchasing Date

Vehicle Brand

Starting Mileage

0

Manufacturer Official Fuel Consumption(L/100Km)

0

Owner Name

Mobile of Owner

> Next Step

X Cancel

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

Installed Tracker Information

Please complete the blanks with "" behind.

Tracker Model*	M588T(Standard vehi ▼	IMEI of Tracker*	
Inserted SIM Card's Phone Number*	+93	Phone number	
Time Zone*	Please select time zone ▼	Installation Date	

Please select installed accessories:

	Digit Input for SOS No accessory co ▼		Digit Output for Engine No accessory co ▼		Mic-phone Portal No accessory co ▼
---	--	---	--	--	---------------------------------------

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.

SIM Card Operator Information

System can not get the APN information, Please enter the SIM card APN information, so the system can generate the correct configuration SMS for you. Please complete the blanks with "" behind. * (If the APN contains username and password, please enter them too)

Telecom Name*	Please select telecom ▼	Enter Telecom Name
APN*		
APN Username		
APN Password		

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.

Tracker Activation

The information has been saved successfully, Please send these SMS commands below one by one to the tracker, if configure successfully, the tracker will show online in tracking map.

SS,example,eg,at1.trackurcar.com,7000,13000000157,123456

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, M558S 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.