4G GPS Vehicle Tracker
(LTE-TDD/LTE-FDD/GSM/GPRS/EDGE LTE CAT1)
(GPS+AGPS+SMS)

GT08 User Manual
(Version 1.3)

Thank you for purchasing the tracker. This manual shows how to operate the device smoothly and correctly. Please make sure to read this manual carefully before using this product. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

1. Summary

Working Based on existing LTE-TDD/LTE-FDD/GSM/GPRS/EDGE LTE CAT1 network and GPS satellites, this product can locate and monitor any remote targets by SMS or internet.

Overview of the characteristics:

1). LTE-TDD/LTE-FDD/GSM/GPRS/EDGE LTE CAT1.

2). GPS position.

3). Auto set APN.

4. Power-Cut alarm.

5). Motion detection, save flow and power.

6). GEO-fence Alarm.

7). Vibration Alarm.

8). ACC detection.

9). Speed Alarm

10). Voltage Range: DC 9V-85V.

11). Enginee Cut-Off.

2. Accessories：

Power line:　　　　　　　　Relay:　　　　　　Manual:

3. Specs

1). **LTE-TDD/LTE-FDD/GSM/GPRS/EDGE LTE CAT1**

2). **Working Voltage**：9V-85V DC

4). **Working current**：≈22mA（12VDC）

5). **Working current**：≈12mA（24VDC）

6). **GPS locating time**：Cold start≈38s（Open sky）

　　　Warm start≈32s

　　　Hot start≈2s（Open sky）

7). **GPS Precision**：10m（2D RM）

8). **Working temperature**：-20℃～+70℃

9). **Working humidity**：20%～80%RH

10). **Measurement**：86（L）×39（W）×16（H）mm

4. Device status indicators

4.1 Connect DC 9V-85V power supply, the red LED and the blue LED will light continuously. When Network ready, the red LED will be flashing.

4.2 The blue LED light continuously when searching the GPS signal.

Once GPS fixed, the blue LED will be flashing.

5. Installation

5.1 Prepare for installation

5.1.1 Product Check. Open the packing box and check the device's model and accessories. If the model is wrong or the accessories not complete, please contact the dealer.

5.1.2 Choose SIM card. Please take dealer's advice as reference.

5.1.3 SIM card installation. Discharge the cover of the device after uncover the SIM card holder.

5.1.4 Connect the device to the 9V-85V power supply.
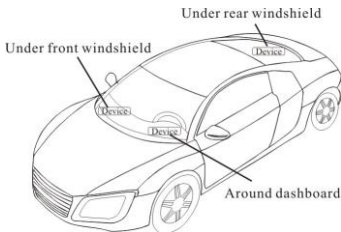
5.1.5 Install the device in the hidden place of the car.

5.2 Installation

The GPS tracker must be installed under professional personnel.

Note:

1) Please install the device in the hidden place as followings:

2) Avoid being placed with signal radiators like reverse sensor ;

3) The device has NETWORK antenna and GPS antenna inside. Please ensure the receiving side of the device is face up and without metal cover.
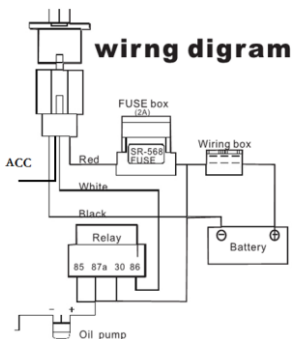
Note: The metal cover will lessen the receiving of GPS signals.

6. Device wiring requirements

6.1 The device power supply is DC 9V-85V. The red line is positive pole while the black line is negative pole.

6.2 The negative pole of power supply connects with ground or the metals. Please do not connect with other ground lines.

6.3 When finishing the power supply wire connection, please make the plug of power supply to the device.

wirng digram

FUSE box (2A)

SR-568 FUSE

Wiring box

ACC

Red

White

Black

Relay

85 87a 30 86

⊖ Battery ⊕

Oil pump

7. The Device Working

7.1 Power on: Connecting to the power. Then the two LED indicators will

light. The device will upload the data to the online platform. When the car is in static state for a long time, the device will be in energy saving mode.

7.2 Power off: Pull off the power plug then power off the device.

8. User Settings

8.1 SMS Commands instruction

1) **Center Number**		
Text command	Parameter	Sample
CENTER Add	710#number# 711#number#	710#13500135000# 711#13800138000#
CENTER Del	D01# D02#	D01# D02#
Command Feedback	Successful Setting: Add admin account 1 OK!	

2) View Center Number		
Text command	Parameter	Sample
View	901#	901#
Command	This directive is used to view Device	

Description	Manager number.
Command	Successful Setting: Admin1:
Feedback	Admin2:

3) Authorized Number Set		
Text command	Parameter	Sample
Authorized Add	101# number #	1: 101#13800138000#
	102# number #	2: 102#12345678912#
	103# number #	3: 103#12345678912#
Authorized Del	D11#	D11#
	D12#	D12#
	D13#	D13#
Command Description	1) Authorization number for SMS control oil. 2) Only three numbers to set the authorization number	
Command Feedback	Successful Setting: Add Authorization account 1 OK!	

4) View Authorized Number

Text command	Parameter	Sample
View authorized	C10#	C10#
Command Description	This directive is used to view the equipment authorization number	
Command Feedback	Successful Setting: Authorization 1: Authorization 2: Authorization 3:	

5) APN Setting

Text command	Parameter	Sample
APN Setting	802#APN#username#password#	1: 802#intenet#123#123# 2: 802#internet#
Command Description	APN differs according to the local telecom operators. For example: APN request password, please refer to Sample 1, and Sample 2 for no password.	
Command	Successful Setting: SET APN OK!	

Feedback	

6) Set Server		
Text command	Parameter	Sample
SERVER Parameter	803#SERVER#port#	1. 803#www.trac123.com#7018# 2: 803#47.243.91.120#7018#
View SERVER	CIP#	1) CIP#
Command Description	Change the IP and port when move to a new server port: 10~65535	
Command Feedback	Successful Setting: set IP OK!	

7)Moving Time Interval		
Text command	Parameter	Sample
TIMEER Parameter setting	730#upload interval#	730#20#

Command	Scope: 0, 5~16960 seconds; 0,no data
Description	uploading;
	5~16960,means time interval; the default
	value is 30 seconds.
Command Feedback	Successful Setting: SET TIMER OK!

8) Static Time Interval

Text command	Parameter	Sample
STATIC	731#time interval#	731#5#
Command Description	Scope: 1~7936 seconds; The default time interval is 300 seconds.	
Command Feedback	Successful Setting: SET STATIC TIME OK!	

9) Cancel the continuous upload

Text command	Parameter	Sample
NUP	NUP#	NUP#
Command	This command is used to cancel sending data	

Description	to the platform
	If need again to restore the uploading,
	need to send upload time interval setting.
Command Feedback	SET OK!

10)Oil-Cut		
Text command	Parameter	Sample
RELAY Parameter1	222#	222# Cut off oil and power
RELAY Parameter2	333#	333# Recover oil and power
Command Description	1)RELAY control the start and closeness of the relay 2) Only the center number can operate. 3) The device only cut off the oil circuit on the condition of the driving speed below 20KM/H or in static state. 4)When send the command, the device will reply 'please waiting' When the vehicle speed is over 20KM/H, the device will cut off the oil or the power when the speed		

	below 20KM/H.
Feedback	Successful Setting: Fuel cut has already been completed OK!

11) GMT

Text command	Parameter	Sample
GMT	801#location time Zone#	801#E8# 801#W4#
Command Description	The default time zone is Beijing time. please operate according to the above command.	
Command Feedback	Successful Setting: Set time zone ok!	

12) Vibration Alarm

Text command	Parameter	Sample
Open Vibration	911#	911#

Alarm		
VIBRATION Parameter	123#sensitivity#alarming way#	1) 123#2#3#
Set into Vibration alarm time	V123#2#	1) V123#2# 2) V123#1#
Cancel vibration alarm	910#	910#
Command Description	The sensitivity value of the vibration is from 1 to 5, lis the most sensitive and o is close. Alarming ways: 1, calling 2, texting, 3 Calling and texting. Need set the center number and receiving number.	
Command Feedback	Set vibration alarm level, OK!	

13) **Speed Alarm**

Text command	Parameter	Sample
SPEEDING Parameter	SSA#speed#alarm way#	1) SSA#120# 2) SSA#150#3#
Command Description	The speed scope is form 60-220, if the speed is not in this cope, the alarm is off. Alarming : 1. calling, 2. texting, 3. calling and texting. Need set the center number and receiving number.	
Command Feedback	Successful Setting: set speeding alarm, OK!	

14) Reset		
Text command	Parameter	Sample
RESET	930#	930#
Command Description	Reset the device	
Feedback	Successful Setting: Reset system, ok!	

15) **Factory**		
Text command	Parameter	Sample
Parameter	940#	940#
Description	Restore the factory setting Only center number can initial this function Factory setting will recover to the original setting	
Feedback	Successful Setting: FACTORY OK!	

16) **Position**		
Text command	Parameter	Sample
command	666#	666#
Command Description	Check the location link of Google map	
Command Feedback	<Datetime:12-07-05 13:21:30> http://maps.google.com/maps?q=N22.540885,E113.95265	

17) Version

Text command	Parameter	Sample
VERSION	V00#	V00#
Command Description	The command is to check the software version	
Command Feedback	VERSION:Xxxx BUILD:2012-07-05 10:12	

18) Param Check

Text command	Parameter	Sample
PARAM	886#	886#
Command Description	The command is to check the settings and the default parameter.	
Command Feedback	IMEI:351190012535936 APN : cmnet IP:IP and port TIMER: moving uploading interval STATIC: static uploading interval CENTER: center number	

	LANG: language(CN/EN) GMT: time zone (E/W8)

19) **Status Check**		
Text command	Parameter	Sample
STATUS	902#	902#
Command Description	The command is designed for checking the device's working status.	
Command Feedback	External power:ON/OFF GSM Signal:HIGH/MIDDLE/LOW GPS:FIXED/UNFIXED RELAYER:DISABLE/ENABLE Vibrate Warning:ON/OFF	

8.2 Platform

Website: http://www.trac123.com/
Login as Account or ID, ID is in the label on the tracker.
Enter ID

The default Password:123456

APP: Please search TRAC123 in Google store or Apple store. Or use mobile phone browser scan below QR code.

TRAC123

In production, IP, port have been writed in, normally the tracker will be auto online, if the tracker offline, Please set APN by sms command.

Please get APN from sim card inserted mobile operator.

For example,if you are in Brazil, and the sim card in the tracker is from Claro.

Please send below SMS command to set APN:

802#java.claro.com.br#claro#claro#

If you lost IP, port, please send below SMS command by admin number to set them back：

803#www.trac123.com#7018#

9. Trouble shooting

9.1 The device is not online or offline on the web platform.

9.1.1 First, please check the 2 LED working state. If possible. You can call the device's number to check.

● If not connected, the device is out of signal. If the NETWORK signals cannot reach your location, please drive to the open sky.

● If reminding the device SIM card is out of deposit,

please make deposit by the telecom operator.

● If you can connect to the device when calling, the SIM card has deposited and please check with your operator for NETWORK function. You also can check by searching the internet on your mobile phone.

● If reminding the device is power off, please turn back the device and proceed as followings:

a)Check if the red LED is in constant glow. If the LED is dark, please check the power connecting. If fuse is broken, please return the device to the seller.

b)If the red LED is not flashing, please check the installation of SIM card.

9.1.2 Please check the offline area in order to judge if the network problem of operators.

9.2 When GPS cannot receive the signals, please drive in the open sky and ensure there is no metal thins on the device.

9.3 When the device cannot receive NETWORK signal, please check the SIM card installation. If the GSM signals cannot reach your location (such as the basement), please drive to the open sky.