GSM/GPRS/GPS

GT02 GPS Tracker User Manual

<u>**Preface**</u>

Thank you for purchasing the tracker. This manual shows how to operate the device smoothly and correctly. 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.

◆Quick using

1）Open device case, proper insert GSM card, connect external power supply, Must turn on small switch inside SIM card hole.

2）Put device outside, around 30s three lights will keep lighting on stands for device can work normally.

3）Dialing device number, it will hang up and reply tracking message with valid Long and lat.

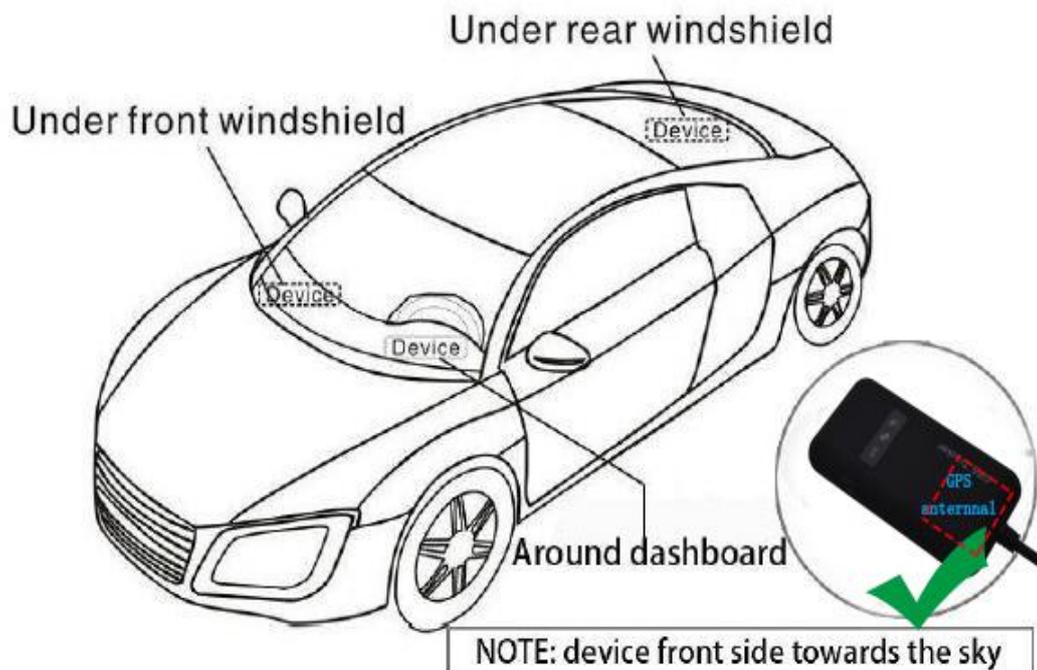4）If need track online system, send 2 SMS connects to platform as below:

SMS1:#IP#123456#220.231.203.248#7700#

SMS2: #apn#123456#APN of operator#APN user name#APN password#

5）Log in platform to track in real time(please contact supplier).

◆Installation attentions

NOTE: device front side towards the sky.

When install in car, if the windscreen glued by metal thermal insulation layer or heating layer, it will reduce the GPS receive signal and lead to GPS work disorder.

◆**Attentions**

◆Device light

1) No yellow light: failed to read SIM card, need install SIM card again.

2) Blue light flash: no GPS signal, make sure device started outside.

3) Three lights off: lights entered sleep mode, make a call can wake up.

◆Device failed located

1) Failed located: message replied with all 0, make sure device started outside not in room.

2) Can't reach the call: make sure SIM card has balance and installed properly.

◆Device can't track on platform

1) Check three lights are stable on.

2) Make sure device can work and reply valid tracking long&Lat in SMS.

3) Send SMS "#check#123456# " check GPRS setting:IP,port,APN are correct,Show A（A means GPS located，V means not located）.

1. Summary

Working Based on existing GSM/GPRS network and GPS satellites, this product can locate and monitor any remote targets by SMS or GPRS.

NOTE: Please turn on small switch inside SIM card hole after install SIM card

2. Main functions

- GSM quad-band frequency;
- Real time tracking location by SMS/GPRS;
- Real time voice monitoring;
- Recover original password;
- Set authorized number;
- ACC anti-theft alarm ;
- Connect external relay to realize controlling oil and circuit of the vehicle(optional);
- Built-in backup battery to realize power failure alarm(optional);

3. Specs.

Content	Specs.
Dim.	90 mm x45.5 mm x 15.5 mm
Weight	50g
Network	GSM/GPRS/GPS
Band	850/900/1800/1900 Mhz
GPS chip	Ublox7
GSM module	MTK60
GPS sensitivity	-159dBm
GPS accuracy	5m
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Work voltage	9V-24V
Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +45°C
Humidity	5%--95%

4. Installation instructions

4.1 Preparation

4.1.1 Open the package to check the device model number is correct, be with full accessories, or else please contact your supplier;

4.1.2 Choose SIM card, need insert a GSM SIM card into the device, please refer to the suggestion of your supplier for SIM card choice.

Notice:

Please insert SIM card before turning the device power switch to on;

The SIM card need open the GPRS function;Please make sure SIM card with full balance.

4.2 Installation

The device is hidden type installation, we suggest the device installing by professional institution. Please pay attention to the following points:

4.2.1 To avoid the thieves destruction, the device installation place should be as far as hidden.

4.2.2 Avoid putting the device with reversing radar, car burglar alarm and any other vehicle communication devices;
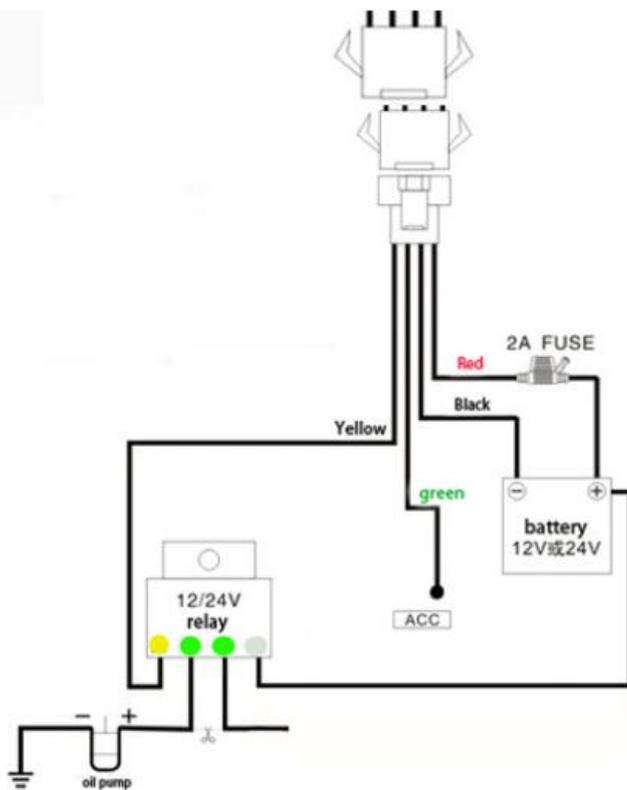
4.2.3 Can fix the device by ribbon or wide sponge powerful two-side glue stick;

4.2.4 The device has built-in GSM and GPS antenna, make sure the receive side upward and there is no metal shielding.

4.3 Device light description

Light	Signal
Red light	Power
Yellow light	GSM signal
Blue	GPS signal

5.Device wiring requirements

3.User Settings

1.Initialization　(initialize all the settings)

Text command	Parameter	Sample
Command	#begin#123456#	#begin#123456#
Command Feedback	begin ok	

2.Single Locating : Two ways

1.Dialing tracking	make a call to device number, it will hang up and reply a real-time tracking message.	
2.SMS tracking	Send SMS command,it will reply your location.	
Text command	Parameter	Sample
command	#smslink#password#	#smslink#123456#
Command Feedback	Google link＋Speed＋Time＋Date＋IMEI	

3.Authorized number

Text command	Parameter	Sample
Add Authorized number	#admin#123456#phone number#	#admin#123456#13409877890#
Command Feedback	admin ok	
Del Authorized number	#noadmin#123456#phone number#	#noadmin#123456#13409877890#
Command Feedback	noadmin ok	

4.Set password

Text command	Parameter	Sample
Command	#password#old password#new passwod#	#password#123456#666888#
Command Feedback	Password ok	

5.Set data to upload interval

Text command	Parameter	Sample
Command	#at#10~60#sum#0#	#at#30#sum#0#
Command Feedback	at ok	
Command description	The data upload interval can be set as you need, 10~60 represents seconds of data uploading interval, default as 30 seconds	

6.Device reboot

Text command	Parameter	Sample
Command	#reboot#password#	#reboot#123456#
Command Feedback	reboot ok	
Command description	The device will restart within 30 seconds	

7.Switch between tracker mode and monitor mode

Text command	Parameter	Sample
Command	#tracker#password#	#tracker#123456#
Command Feedback	tracker ok	
Command	#monitor#password#	#monitor#123456#
Command Feedback	monitor ok	
Command description	Device has 2 modes, the default mode is "tracker" mode	

8.Set all alarm mode

Text command	Parameter	Description
Command	#KC#123456#0#	To close alarm function
Command	#KC#123456#1#	Alarm will reply only SMS
Command	#KC#123456#2#	Alarm will reply only call back
Command	#KC#123456#3#	Alarm will reply via SMS and call

9.Timezone Setting

Text command	Parameter	Sample
Command	#timezone#password#direction#time zone value in hours#time zone in munites#	In UTC-6 example: #timezone#123456#W#6#00# In UTC+5.30 #timezone#123456#E#5#30#
Command Feedback	time zone ok	

10.Check vehicle state

Text command	Parameter	Sample
Command	#check#password#	#check#123456#
Command Feedback	IMEI + Authorized number +Alarm mode + IP + GPS status + Data upload interval status + APN + Time zone	

11.Geo fence

Text command	Parameter	Sample
Command	#stockade#password#semidiameter#	#stockade#123456#300#
Command Feedback	stockade ok	
Command description	send SMS: "#stockade#123456#300#", "300" represents 300 meters.In case of breach, it will send SMS "stockade alarm + IMEI + Coordinates" to the authorized number.	

12.Over speed alarm

Text command	Parameter	Sample
Command	#speed#password#speed number in 3 digits#	#speed#123456#060#
Command Feedback	speed ok	
Command description	Sample means When the car moves exceeding 60 km/h, the unit will send SMS alert "speed alarm +imei+ Coordinates " to the authorized number.	

13.Vibration alarm

Text command	Parameter	Description
Command	#vibrate#123456#1#	1 means Slight vibration level
Command	#vibrate#123456#2#	2 means medium vibration level
Command	#vibrate#123456#3#	3 means high sensitive level

14.Cut oil or electricity (Optional with relay)		
Text command	Parameter	Sample
Command	#stopoil#password#	#stopoil#123456#
Command Feedback	stop oil ok	
Command	#supplyelec#password#	#supplyelec#123456#
Command Feedback	supply electricity ok	

15.SOS alarm (Optional)	
Description	When connect external SOS wire, if press the SOS button 3-4 seconds, device will reply "SOS alarm! +IMEI number+Long&Lat" to authorized number.

16.Power failure alarm (Optional function with back up battery)	
Description	If device was removed from car battery, device will end SMS "cut power alert! +IMEI number+Long&Lat" to the authorized number.

Web based platform www.gpstky.net, further details please contact with manufacturer.

1.Setting APN

1.1 APN standards for Access Point Name and differs from country to country. For more information about the local APN, inquiry from your local GPRS network operator.

1.2 Send SMS "#apn#password#APN content#APN user name#APN password#" via a cell phone and if succeeded, the tracker will return the message "set APN OK".

E.g. send SMS command "#apn#123456#cmnet#".

Notes: CMNET is the APN content of China Mobile (it has no APN user name and password).

2.IP and Port setting

Send SMS "#IP#password#ip address#port number#". If succeeded,

"set ip address and port ok" will be returned by SMS.

E.g, Send SMS command "#IP# password #220.231.203.248#7700#" to the device (220.231.203.248 is IP, 7700 is port, IP is in capital)

3.Cautions

Please comply with the instructions to extend the unit life:

1. Keep the unit dry. Any liquid, i.e. rain, moisture, may destroy or damage the inside circuitry.

2. Don't use & store the unit in dusty places.

3. Don't put the unit in overheated or over cooled places.

4. Handle carefully. Don't vibrate or shake it violently.

5. Clear the unit with a piece of dry cloth. Don't clean in chemicals, detergent.

6. Don't paint the unit, this may cause some foreign materials left in between the parts.

7. Don't disassemble or refit the unit.

8. Please read the user manual carefully before installation and operation, learn something more about the voltage range. Otherwise, it won't work properly or destroy the product.