

USER MANUAL

NAME: **GPS PORTABLE TRACKER
GPS + GSM + SMS / GPRS**

MODEL: **GT03B**



**PLEASE READ THE INSTRUCTIONS
BEFORE USING THE UNIT.
SAVE IT FOR USE IN THE FUTURE.**

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Introduction

Thank you for choosing this GPS Portable Tracker. Please read this Manual carefully to fully understand its usage, perfect functions and simple operation. The Company reserves the right to modify this Manual from time to time without prior notice. Before using this product, please read these Attentions carefully to ensure safe and proper operation of this product.

Safety Warning & Attentions

1. Attention

- Do not place this product on an uneven or unstable table-board to prevent failure or damage caused by falling.
- Only the battery designated by the Company can be used on this product. Application of other products may lead to leakage, overheating, blowout and fire of the battery.
- Do not crash, vibrate, or throw device in order to avoid failure and fire.
- Do not use this product in a place with flammable and explosive gas; otherwise, product failure and fire may be caused.
- Do not place this product in a place with high temperature, high humidity or large amount of dust; otherwise, product failure may be caused.

2. Attention for operation of this product

- Do not dismantle or remodel this product, otherwise, damage, creepage and electrical fault may be caused to this product.
- Place tiny metal objects such as drawing pin at a place far away from the speaker. As the speaker has magnetic property while working, it will attract these tiny metal objects, which may lead to personal injuries or damage of the speaker.

3. Operation and maintenance

- Please keep this product dry, as rainwater, moisture, humidity and liquids or moisture content may contain mineral matters that erode the circuit.
- Do not keep this product in any place with high temperature. As high temperature may shorten the lifespan of electronic device, damage the battery and cause deformation or melting of certain plastic parts and components.
- Do not keep this product in any place with low temperature. As when being moved from a place with low temperature to a place with normal temperature, it may generate humidity inside, which may cause damage of circuit board.
- Do not attempt to dismantle this product. As improper handling by nonprofessional personnel may cause damage of the device.
- Do not toss, knock or shake this product, as tough operation mode may damage the motherboard inside the device.
- If this product is made wet by mistake, shut it down, remove the battery, and restart the product after confirming it complete dry after 24 hours.
- Use clean and dry soft cloth to clean the lens, infrared lamp and light sensor.

Warning: improper operation will void warranty!

Product Overview - Model: **GT03B**

GPS Portable tracker

1. Accessories:

Device
Power cord
Charger
User Manual
Battery

Please make sure that all accessories are complete. Pictures are for indication and illustration purposes only.

mini USB

2. Appearance:

Parking

ON / OFF Switch

GSM Indicator

GPS Indicator

SOS button /
Power Indicator



3. Usage:

- for person
- for bikes
- for cars
- for vans
- for trucks
- for camper
- for buses
- for motorcycle
- for other vehicles

4. Performance parameters:

Serial	Specifications	Technical parameters
1	Dimension	76 (L) x 45 (W) x 16 (H) mm
2	Weight	70 g
3	Backup Battery	1000 mAh / 3.7V
4	Operation Temperature	-25 °C-60 °C
5	Humidity	5% - 95%
6	Standby Time	160 hours
7	GSM Frequencies	850/900/1800/1900 MHz
8	GPRS	Class 12
9	GPS Channel	20
10	GPS Sensitivity	-159dBm
11	Acquisition Sensitivity	-144dBm
12	Position Accuracy	10m
13	TTFF (Open Sky)	Cold Start <38s / Warm Start <15s / Hot Start <2s
14	GSM/GPS Antenna	Built-in design
15	LED Indicator	GSM-green, GPS-blue, Power-red
16	Data Transmit	TCP, SMS

5. LED Indicators Status:

GPS LED Indicator – Blue

Status	Implication
Quick Flashing (interval 0.1s)	Searching GPS signal
Slow flashing (flash 0.1s after every 2s)	GPS signal has been acquired successfully
Continuously in dark	GPS stop working

GSM LED Indicator – Green

Status	Implication
Flashing (flash 0.1s after every 1s)	Receive GSM signal normally
Slow flashing (flash 0.1s every 2s)	GPRS on line
Solid green	Monitor function is activated
OFF	No GSM Signal / SIM card not installed

Power Status – Red

Status	Implication
Flashing (interval 0.1s)	Low battery
Slow flashing (interval 0.2s)	Full charge
Slow flashing (flash 0.1s every 2s)	Normal operating
Solid Red	Charging
OFF	Low battery/Power off

Notice: Ignition detection indication: three LED indicators take turns flashing.

Getting Start

Please follow below instructions for ensuring safe and correct use.

1. Install the SIM card

Place the SIM card into the device with the gold-colored side facing down.

Note: Make sure there is enough credit on the SIM card. If you will be using the GPRS function, you should pay attention to the current SIM card GPRS charge.

2. Power on

Slide "ON/OFF" switch to power on.

3. Charging battery

- Connect the charger to power;
- This process needs 4-6 hours.
- The device can work normally when charging.
- The indicator state (please refer to 2. 2.1)

Warning : Charger from the manufacturer is recommended.

Device functions and Parameter setting

1. Settings of APN

To set up the APN parameter, please send SMS command to the number of device. The device will reply "OK" automatically after setting successfully. The SMS command is as following: **APN,APN's name#**

E.g: APN,internet# ("internet" is the APN of carrier)

The device will reply "OK" if setting successfully.

Note: The APN of some countries have user name and password, you may need to send SMS command as following:

APN,APN name,user name,password#

E.g: APN,internet,CLIENTE,AMENA#

2. SOS numbers setting

5.2.1 Add SOS number

SMS command: **SOS,A,number1,number2,number3,number4#**(A means add number). You could set 4 SOS numbers in maximum

For example:

SOS,A,13510682360,13511685136#(set 2 SOS numbers)

SOS, A,13510682360,13511685136,13612687248,13612683621# (set 4 SOS numbers)

It will reply "OK" if succeeded.

You can set SOS numbers via the platform after activating the device.

3. Delete SOS numbers

SMS: **SOS, D,1,2,3,4#** (D means delete SOS number)

For example: SOS, D,1# means delete the first number

SOS,D,3# means delete the third number

If you do not know the serial number, you can also delete number by SMS command like this: **SOS, D,number#**

For example: **SOS, D, 13527852360#** means delete this SOS number directly.

It will reply "OK" if succeeded to delete this number.

Note : Remotely arm/disarm, remotely monitor, checking location via SMS and receiving SOS alarm from device must be functioned by SOS numbers only, which are pre-set.

You can set SOS numbers via the platform after activating the device.

4. Arm /Disarm

Three ways to arm/ disarm:

i. Via Parking button

Slide PK switch to "ON" to arm the device. The three LEDs will slowly circulation flashing. The device will be armed after 3 minutes. The 3 LEDs will quickly circulation flashing.

Slide PK switch to "OFF" to disarm the device.

ii. via calls

Any SOS number calls to the device (must be the SOS number), and then end up the call in 10s by the mobile side to arm the device. The device will reply a SMS message "OK". If the SOS number does not end up the call in 10s, it will turn to monitoring function.

Any SOS number calls to the device (must be the SOS number), and then end up the call in 10s by the mobile side to disarm the device (if the device is armed before). The device will reply a SMS message "OK". If the SOS number does not end up the call in 10s, it will enter monitoring function.

iii. via SMS command

Any SOS number can send SMS command "**111**" to arm the device (must be the SOS number). And the device will automatically reply "OK" if it set successfully.

Any SOS number can send SMS command "**000**" to disarm the device (must be the SOS number). And the device will automatically reply "OK" if it set successfully.

5. Vibration alarm

When the device is in arm state, vibration will activate alarms. The device will send vibration alarm to the SOS numbers in 10s.

If the GPS is located, the device will send accurate address information. If GPS is not located, the device will send LBS address information. If GPS is located in 5 minutes, the device will send accurate address information.

Example of GPS address information:

"vibration alarm: Bao'an Road, Bao'an District, Shenzhen, Guangdong (N22.57139,E113.87710)

Example of LBS address information:

"vibration alarm: nearby Bao'an Road Bao'an District, Shenzhen, Guangdong (22.571,113.876)".

When vibration alarm is activated, if GPS is located successfully while there is no GPRS connection, the device will send longitude and latitude location to SOS numbers pre-set : " Vibration alarm! Location: N23.111748, E114,409215, Date&Time: 11-04-28 10:00:48".

When vibration alarm is activated, if GPS is not located successfully and there is no GPRS connection, then device will not get location information and send to SOS numbers pre-set : "Vibration alarm! Please notice".

Remark : The interval of vibration alarm could not be less than 5 minutes.

6. SOS alarm

Press SOS button for more than 3s to activate SOS alarm, meanwhile you could feel the vibration, and then the device will send an address information message to the SOS number. If GPS is located, the device will send an accurate address information,

e.g.: "Emergency call(LBS): Bao'an Road, Bao'an District, Shenzhen, Guangdong (N22.57139,E113.87710)".

If GPS is not located, the device will send a LBS location information:

e.g.: "Emergency call(LBS): nearby Bao'an Road Bao'an District, Shenzhen, Guangdong (22.571,113.876)".

Then it will dial the SOS numbers by cycle, if any SOS number answer the call, it will stop calling. If there's no response after all the number been dialed for three cycles, it will stop.

7. Geo-fence

You can set a designated area as geo-fence. When the device gets in/out of this area, it will send alarm to SOS numbers when the geo-fence function is ON.

i. Turn on geo-fence

Geo-fence function is off as default. You can turn on geo-fence via SMS command.

Circular fence

You can set a coordinate as the centre of the circular fence and set the radius

Go in fence SMS command: "FENCE,ON,0,latitude,longitude,radius,IN#" to open circular fence function

e.g.: FENCE,ON,0,N22.57139,E113.87710,5,IN#

It means the radius is 500 meters. (radius 1=100M, 2=200M....and so on)

The device will reply "OK" if set successfully. When the device is in this circular area, it will send alarm to the SOS numbers.

Go out fence SMS: "FENCE,ON,0,latitude,longitude,radius,OUT#" to open circular fence function

e.g.: FENCE,ON,0, N22.57139,E113.87710,5,OUT #

It means the radius is 500 meters. (radius 1=100M, 2=200M....and so on)

The device will reply "OK" if set successfully. When the device is out of this circular area, it will send alarm to the SOS numbers.

Go in/out fence SMS: "FENCE,ON,0,latitude,longitude,radius#"

e.g.: FENCE,ON,0,N22.57139,E113.87710,5#

It means the radius is 500 meters (radius 1=100M, 2=200M....and so on)

The device will reply "OK" if set successfully. As long as the device goes in or out of this circular area, it will send alarm to the SOS numbers.

You can also set current location coordinates as the centre of the circular fence, SMS:

"FENCE,ON,0,0,0,radius#" (This SMS is only available when device get located)

ii. Disable Geo fence

If don't need geo fence function, send SMS to disable it: **FENCE,OFF#**

After get reply "OK", geo fence function is off.

iii. Check geo fence

If want to check status of geo fence, send SMS command "**SEEFENCE#**" to device from any number.

If geo fence is not active, it will reply SMS "**Switch: OFF**"

If geo fence is active, it will reply SMS "**Switch: ON;State:IN&OUT;Lat:N22.567000;Lon:E113,890000,Radius:100M;FenceType:Circle;**"

8. Low battery alarm

When battery is low, device will send SMS to SOS numbers as following:

Low battery alarm SMS: "Warning! Battery is low, please charge in time!"

When battery is too low to approach power off, it will send SMS: Warning! Battery is too low, power off automatically

9. Voice monitoring

When the SOS number dials the device, keep ringing more than 10s, it will go to voice monitoring status. In this case, caller can monitor the sound around the device.

Note: 1. Monitor function request the SIM card in device with caller ID display.

2. Only SOS numbers can monitor

10. View location method

i. Ask address information

Sending SMS command from SOS number to device: **POSITION**

After command is sent successfully, user will receive SMS of LBS/GPS location (depends on the situation)

Only SOS number can check location of device, other numbers will get a reply "ERROR:110".

Situation:

If GPS is located successfully, device will reply SMS of an accurate location.

If GPS is not located, device will send LBS location first. And then if GPS located within 2mins, device will send another SMS with accurate location.

Example of LBS address information: "**Current location (LBS): nearby Bao'an Road Bao'an District, Shenzhen, Guangdong (22.571,113.876)**".

Example of GPS address information: "**Accurate location (GPS):Bao'an Road, Bao'an District, Shenzhen, Guangdong (N22.57139,E113.87710)**"

ii. Ask coordinates

SMS command: **WHERE#**

Apply for replying longitude and latitude from device. If GPS is located, it will reply current longitude and latitude information. If not located within 2mins, it will reply the latest longitude and latitude information.

Examples of reply:

Lat:N22.571285,Lon:E113.877115,Course:42.20,Speed:0.0740,DateTime:10-11-23 22:28:51

If GPS is not located at all, device will reply after 2mins : "GPS is fail to locate, no data, please try again ! "

iii. Ask Google link

Sending SMS command from SOS number to device: **URL#**

Apply for reply of google link, if GPS is located, it will reply google link of current longitude and latitude. If not located within 2 mins, it will reply google link of the latest longitude and latitude:

examples of google link reply

<DateTime:10-11-23 23:42:51> <http://maps.google.com/maps?q=N22.571490,E113.877103>

If GPS has never been located before, it will reply SMS after 10mins "GPS is fail to locate, no data, please try again!"

Note: GPS can be located in the open air only; it can not be located indoor. The following conditions will be difficult for GPS acquirement: under shade of trees, high buildings and the area with much metal material.

iv. Platform checking

The system will register login accounts according to IMEI of device automatically after the devices located by GPS/LBS successfully first time. The website is: www.cootrack.com

You can use the IMEI marked on device to login, default password is 666666

E.g: **Account --- 353419032549607**

Password --- 666666

If it shows "Account is invalid, Please check it!", it means the device is failed to locate, so please take your device outdoor and make the GPS located successfully. And then try to login again.

Notice: The sim card should activate GPRS function.

11. Factory recovery settings

SMS command: **FACTORY#**

When device gets command, it will recover parameters into default value.

12. Reboot device

SMS command: **RESET#**

When device gets command, it will reboot after 1 min.

Troubleshooting

If there is trouble during using the phone, please read the solution as follow or contact provider.

Common problems	Causes	Solution
Bad reception	Radio waves can not communicate with device when it is used in a bad signal area, like basement or space beside tall building.	Change to a place with good signal.
	Can not talk in Call-intensive period.	Avoid call-intensive period
can not switch on	No power	Change a new battery
GPS is not locating	Keep the device indoor	Locating in open space outdoor.
	Weak GPS signal	Keep the upside of the phone face to sky
	There is metal stuff covered the phone.	Move away the metal stuff.
Unable to monitor	The called number is not the SOS number	Set up SOS number
	SIM card without caller ID display function	Active function of caller ID display
can not connect to the network	The sheet metal of SIM card is dusty.	Wipe with a clean wiper.
	Invalid SIM card	Contact your operator
	Out of GSM service area	Move back to the GSM service covered area.
	weak signal	Try again in a strong signal area
can not charge	Voltage is out of charging range of charger.	Change to the proper voltage
	Use non-standard charger	Use charger that come with the package
	Poor contact	Check if the plug is in.
	Red LED is continuous dark when charging	It is because the battery is used up ,keep charging after about half an hour, the LED will turn on
Can not check address information	SIM card can not support GPRS functions	Please contact the sim card operator to activate GPRS
	Reply "no data, please try again" all the time	Please contact with your distributors
	It is not a SOS number	Please set the number as SOS number

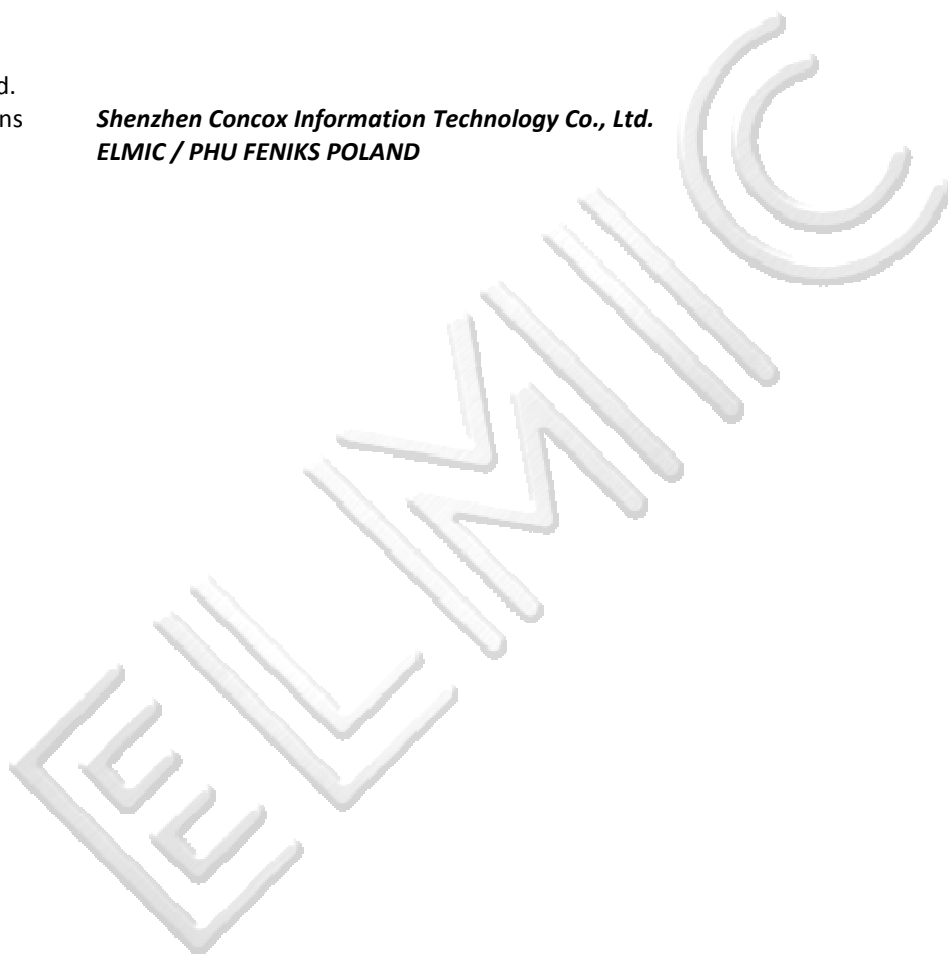
Warranty instructions and service

1. The warranty is valid only when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice indicating the date of purchase, model and serial No. of the product. We reserve the right to refuse warranty if this information has been removed or changed after the original purchase of the product from the dealer.
2. Our obligations are limited to repair of the defect or replacement the defective part or at its discretion replacement of the product itself.
3. Warranty repairs must be carried out by our Authorized Service Centre. Warranty cover will be void, even if a repair has been attempted by any unauthorized service centre.
4. Repair or replacement under the terms of this warranty does not provide right to extension or renewal of the warranty period.
5. The warranty is not applicable to cases other than defects in material, design and workmanship.

Statement

All rights reserved.
Author instructions
Correction

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