

# **USER MANUAL**

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

MODEL: **ELMIC GT300**



**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: **GT300**

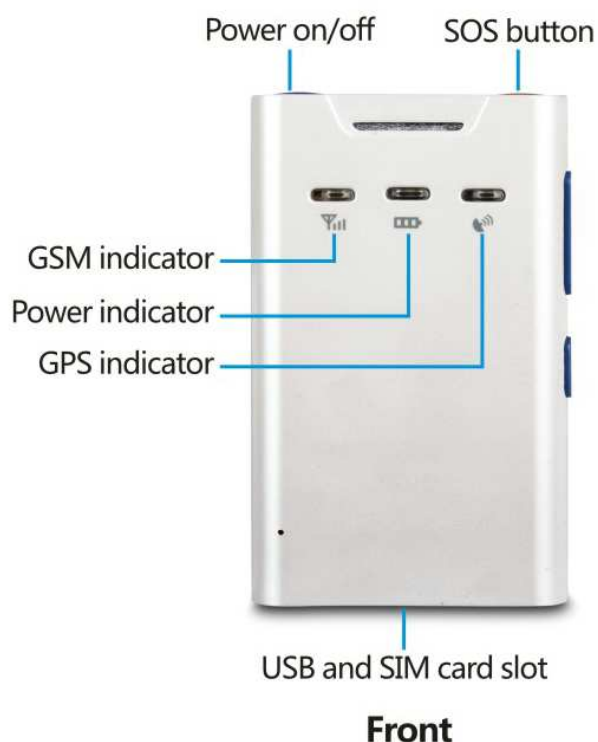
**GPS Portable tracker**

### 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.

## 2. Appearance:



## 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	73 (L) x 45 (W) x 16 (H) mm
2	Weight	54 g
3	Backup Battery	1200 mAh / 3.7V
4	Talk Time	7 hours
5	Standby Time	98 hours
6	GSM Frequencies	850/900/1800/1900 MHz
7	GPRS	Class 12
8	GPS Channel	20
9	GPS Sensitivity	-159dBm
10	Acquisition Sensitivity	-144dBm
11	Position Accuracy	10m
12	GSM/GPS Antenna	Built-in design
13	LED Indicator	GSM-green, GPS-blue, Power-red
14	Data Transmit	TCP, SMS

## 5. LED Indicators Status:

### GPS LED Indicator – Blue

Status	Implication
Slow Flashing (interval 2s)	Searching GPS signal
Slow flashing (flash 0.1s after every 3s )	GPS signal has been acquired successfully
Continuously in dark	GPS stop working

### GSM LED Indicator – Green






Status	Implication
Flashing (flash 1s after every 3s)	Receive GSM signal normalny
Quick flashing (interval 0.3s)	GSM initialization
Slow flashing (flash 0.1s every 3s)	GPRS on Line
Solid Green	Monitor function is activated
OFF	No GSM Signal / SIM card not instaled

### Power Status – Red

Status	Implication
Flashing (interval 0.3s)	Low battery
Slow flashing (interval 2s)	Full charge
Slow flashing (flash 0.1s every 2s)	Normal operating
Solid Red	Charging
OFF	Low battery/Power off/without battery / troubleshot

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

## Buttons instruction

No.	Button	Graphic	Function Introduction	
			Operation	Function
1	SOS button		Long press	SOS alarm
			Short press during calls	Hang off
2	Family Number button 1		Long press	Call
			Short press when calls coming in	Answer
			Short press during calls	Turn on the volume
			Long press during calls	Change to speaker mode
3	Family Number button 1		Long press	Call
			Short press when calls coming in	Answer
			Short press during calls	Turn down the volume
			Long press during calls	Change to speaker mode
4	Mode button		Short press twice in a row	Arm/disarm
			Long press	Send location to platform automatically once
5	Power ON/OFF		Long press	Power on/off

## Getting Start

Please follow below instructions for ensuring safe and correct use.

### 1. Install the SIM card

- Turn off the terminal
- Open the USB rubber plug
- Put the GSM SIM card in the SIM card slot until you hear the “click” sound.
- Please turn the terminal off before you remove the SIM card.

**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.

**Must turn off the terminal before removing the SIM card. Removing SIM card while there is external power supply connected is forbidden.**

### 2. Power on

Long press “ON/OFF” button to turn the terminal on/off.

### 3. Charging battery

When the red LED light is flashing quickly, it means the battery is low and needed to be charged in time. And please charge before using at the first time.

- Connect the charger to power;
- Open the rubber plug;
- Connect the charger into the USB slot;
- This process may take 4-6 hours. During this period, it is normal that the terminal, battery and the charger become hot.
- If the red LED is continuously bright, it means it is charging. If the red LED is flashing slowly, then it means it is fully charged.

**WARNING:** The terminal must be placed in a ventilated place in 0°C-4°C. And using the charger your distributor provides is a must. Using not certificated charger might cause danger and will be considered against the warranty terms. 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. Set DNS Server

Please send SMS command to the number of terminal so as to set up the DNS parameter. The terminal will reply “OK” automatically after setting successfully.

Send SMS command: **SERVER,1,DNS,Port,0#**

e.g. **SERVER,1,gt300.goobaby.net,8827,0#**

### 3. Add Family Numbers via SMS command

**Add two Family Numbers**

Send SMS command: **FN,A,Phone Number1,Phone Number2#** (A means add numbers)

e.g. **FN,A,13510\*\*\*360,1351\*\*\*85136#**

**Add one Family Number**

To add the first Family Number, send SMS command: **FN,A,Phone Number1#**

e.g. **FN,A,13510\*\*\*360#**

To add the first Family Number, send SMS command: **FN,A,,Phone Number2#**

e.g. **FN,A,,1351\*\*\*85136#**

#### 4. Delete Family Numbers via SMS

Send SMS command: **FN,D,1,2#** (D means delete the number)

1,2 means sequence numbers

OR

Send SMS command: **FN,D,Phone Number#**

#### 5. Add/delete Family Numbers via platform

You can set SOS numbers via the platform when the terminal connects to the platform.

#### 6. Call Family Numbers

Long press Family Number buttons can call preset numbers. Short press SOS button can hang off the call.

**NOTE: When the people you call pick up the phone, the terminal will vibrate slightly.**

#### 7. Answer phone calls

Short press either one of the Family Number buttons to pick up the call. And short press SOS button to reject or end the call. Long press either one of the Family Number buttons to turn on the speaker. White list numbers can be set via the platform that the distributor provides.

#### 8. Set White List

Normally, the terminal can only answer phone calls from SOS number and Family Numbers. It can also receive calls from white list numbers (15 numbers at most) on platform.

#### 9. Set call reminder mode

There are three ways of call reminder mode: ringtone, vibration, and both ringtone and vibration.

Send SMS command: **CALLMODE, code of call reminder mode#**

Code: 0 – ringtone; 1 – vibration; 2 – both ringtone and vibration (default)

e.g. **CALLMODE, 1#** means call reminder mode is vibration.

#### 10. Control volume

During the call, short press Family Number 1 button to turn up the volume and Family Number 2 button to turn down the volume. When the volume reaches the limit, the button light will be all bright.

#### 11. Set SOS Number

##### Add SOS number Via SMS command

Send SMS command: **SOS, A,number1,number2,number3 #**(A means add number).

You could set 3 SOS numbers in maximum. If set successfully, the terminal will reply "ok".

e.g. **SOS,A, 13510\*\*\*\*60,135116\*\*\*\*6,136126\*\*\*\*8#** (set all 3 SOS numbers)

**SOS,A, 13510\*\*\*\*60#** (set the first SOS number)

**SOS,A, ,135116\*\*\*\*6#** (set the second SOS number)

**SOS,A, , ,136126\*\*\*\*8#** (set the third SOS number)

##### Delete SOS Numbers

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

e.g. **SOS, D,1#** means delete the first number

**SOS, D,3#** means delete the third number

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

e.g. **SOS, D, 13527852360#** means delete this SOS number directly.

It will reply "OK" if the number is deleted successfully.

##### Add SOS numbers via platform

You can set SOS number via the platform after activating the terminal.



# Operation

## 1. Arm/disarm

### Via Mode Button

Short press twice in a row to arm the terminal. In arm condition, short pressing twice in a row will disarm the terminal.

### Via calls

Any SOS numbers call the terminal (must be the SOS numbers), and then end up the call in 10s by the mobile side to arm the terminal. The terminal will reply a SMS message "OK". During arm state, any SOS numbers call the terminal (must be the SOS numbers), and then end up the call in 10s to disarm the terminal. If the call does not end up, it will enter the monitoring condition.

### Via SMS command

Any SOS number can send SMS command "111" to arm the terminal (must be the SOS number). And it will automatically reply "OK" if set successfully. Any SOS number can send SMS command "000" to disarm the terminal (must be the SOS number). And it will automatically reply "OK" if set successfully.

**NOTE: When the vibration alarm is off, the arm function will not be executed.**

## 2. Vibration Alarm

When the terminal is in arm state, there will be a vibration alarm sent to the SOS numbers in 10s if it detects vibration. If the GPS is located, the terminal will send accurate address information. If GPS is not located, the terminal will send LBS address information instead. And if GPS is located in 5 minutes later, the terminal will send accurate address information.

### e.g. GPS address information:

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

### e.g. LBS address information:

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

When vibration alarm is on and GPS is located successfully but there is no GPS connection, the terminal will send longitude and latitude location to pre-set SOS numbers. When the GPS is not located and there is no GPRS connection, then the terminal will not get any location information so it will send "Vibration alarm! Please notice." To pre-set SOS numbers.

**NOTE: The interval of vibration alarm could not be less than 5 minutes. If could not send messages, please check your SIM card balance.**

## 3. SOS Alarm

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

If the GPS is located, but the GPRS connection between the terminal and platform is abnormal, then the terminal will reply to the SOS with the website of the longitude and latitude information.

e.g. SOS! <01-08 17:36><http://maps.google.com/maps?q=N22.577156,E113.916748>"

If the GPS is not located, and the GPRS connection between the terminal and platform is abnormal, then the terminal will not able to get the location information. It will reply to SOS number: "SOS Alarm! Please pay attention!"

**NOTE: SOS number needs to be set in advance.**

## 4. Geo-fence Alarm

Geo-fence function is off as default. You can log in the platform to turn on and set the Geo-fence. In platform, you can set 5 fences in specific area. There are go-out-fence alarm and go-in-fence alarm. When the terminal enters or leaves specific areas, it will send alarm to SOS number.

## 5. Low battery Alarm

When battery is low, the terminal will send SMS to SOS numbers.



## 6. Voice monitor

When SOS number sends monitor command: **MONITOR#** to the terminal, the terminal will reply "OK" and call the SOS number. After the call connected, the terminal will enter monitor condition. The SOS number can hear the sound around the terminal.

## 7. Check location

**Ask for address information** Send SMS command from SOS number to terminal: **POSITION#**

After command is sent successfully, SOS number will receive an accurate location information.

Only SOS number can check location of terminal.

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

If GPS is not located, the terminal will send LBS location first. And then if GPS located within 5mins, the terminal will send another SMS with accurate location.

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

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

**Ask for coordinates** Send SMS command from SOS number to the terminal: **WHERE#**

Only Family Number or SOS number can apply for replying longitude and latitude from the terminal. If GPS is located, it will reply current longitude and latitude information. If not located within 5mins, it will reply the latest longitude and latitude information.

e.g. 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, the terminal will reply after 5mins: "GPS is failed to locate, no data, please try again!"

**Ask for Google link** Send SMS command from SOS number to the terminal: **URL#**

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:

e.g. Google link reply

<DateTime:10-11-23 23:42:51> http://maps.oogole.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!"

### Check platform

The terminal will send position information to the platform server timely. The user can check the position on the platform.

The platform website: [www.cootrack.com](http://www.cootrack.com)

Please contact your dealer for the login methods and operations.

## 8. Reboot the terminal

Send SMS command: **RESET#**

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

## Working mode setting

### Model1: Locating in a regular time interval mode

After turned on and sent the first GPS location, the terminal will activate GPS in 30mins. If located, it will send location to platform and turn off GPS automatically. If fail to locate, then GPS will turn off and send LBS location.

Send SMS command: **mode,1#**

### Model2: Locating according to vibration mode (default)

In this mode, the terminal will turn on GPS as default.

If GPS locates, the terminal will send first GPS location to the platform. If GPS could not locate, it will upload LBS location.

In this mode, if the terminal does not detect any vibration, GPS will be off. And after it detects vibration, it will start working again. Send SMS command: **mode,2#**

### Mode3: Locating according to command

In this mode, the terminal will be in Deep Sleep mode. It will not connect with the platform. You can send SMS command/call to activate checking location function. During this mode, arm/disarm will not be executed. It will reply: "The terminal is in Deep Sleep mode. Please wake up!"

Send SMS command: **mode,3#**

## Appendix

### Battery security

- Please use the original battery. The warranty will be invalid by using any other accessory. The manufacturer will not take any responsibility for any damage caused by not using the original battery.
- The new battery can realize the optimal performance after fully- charging for 2 or 3 times.
- The battery can be used for hundreds of times, yet it will wear out eventually. When its talking time and standby time shrinks sharply, you need a new one.
- Cut off power supply when not using the charger. Don't charge the battery for more than one week, since over charging will reduce its using time.
- Do not short-circuit the battery with metal stuff (such as the key in your pocket)
- Do not bend or open the battery.
- Do not put the battery into water or fire.
- The battery should never be charged at temperature below 0 degrees or above 45 degrees Celsius.

### 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

**Shenzhen Concox Information Technology Co., Ltd.**  
**ELMIC / PHU FENIKS POLAND**

## 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 switch on	No power	Change a new battery
Cannot make voice monitoring	No preset SOS numbers	Set SOS numbers
	SIM card is without Caller ID function	Activate the function
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

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