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For your safety

Read these simple guidelines. Not following them may be dangerous or illegal. Read the complete user guide for further information.

- Do not switch the device on when wireless phone use is prohibited or when it may cause interference or danger.
- All wireless devices may be susceptible to interference, which could affect performance.
- Follow any restrictions. Switch the device off near medical equipment and wireless devices can cause interference in aircraft.
- Do not use the device at a refueling point or near fuel or chemicals.
- Follow any restrictions. Do not use the device where blasting is in progress.
- Your device is not water-resistant. Keep it dry.
- Reduce the impact of electromagnetic waves, please use the device carefully.

Battery information

Your device is powered by a rechargeable battery. When the talk and standby times are noticeably shorter than normal, replace the battery. Use only GT701 approved batteries, and recharge your battery only with GT701 approved chargers designated for this device.

- Do not dispose of batteries in a fire as they may explode.
- Always use original GT701 batteries for your safety.

Standard Battery Precaution

- a. Do not expose the battery to extreme heat or flame.
- b. Do not short circuit, over-charge or over-discharge the battery.
- c. Do not subject the battery to strong mechanical shocks.
- d. Do not immerse the battery in water or sea water, or get it wet
- e. Do not reverse the polarity of the battery for any reason.
- f. Do not disassemble or modify the battery.
- g. Do not remove charge/discharge protection circuitry.
- h. Do not handle or store with metallic like necklaces, coins or hairpins, etc.
- i. Do not use the battery with conspicuous damage or deformation.

- j. Do not connect battery to the plug socket or car-cigarette-plug.
- k. Do not make the direct soldering onto a battery.
- l. Do not touch a leaked battery directly.
- m. Do not use for other equipment.
- n. Do not use Lithium-ion battery in mixture.
- o. Do not use or leave the battery under the blazing sun (or in heated car by sunshine).
- p. Keep battery away from children.
- q. Do use the specified charger and observe charging requirement.
- r. Do not drive a nail into the battery, strike it by hammer or tread it.
- s. Do not give battery impact or fling it.

Care and maintenance

Your device is a product of superior design and craftsmanship and should be treated with care. The following suggestions will help you protect your warranty coverage.

- Keep the device dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, remove the battery, and allow the device to dry completely before replacing it.
- Do not attempt to open the device other than as instructed in this guide.
- Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device.
- To reset the device from time to time for optimum performance, power off the device and remove the battery.

Operating environment

- This device meets RF exposure guidelines when used either in the normal use position at least 1.5 centimeters (5/8 inch) away from the body.
- Parts of the device are magnetic. Metallic materials may be attracted to the device. Do not place credit cards or other magnetic storage media near the device, because information stored on them may be erased.

Medical devices

Operation of any radio transmitting equipment, including wireless phones, may interfere with the functionality of inadequately protected medical devices. Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so.

Pacemakers

Persons with pacemakers should do the following:

- Always keep the device more than 15.3 centimeters (6 inches) from the pacemaker.
- Do not carry the device in a breast pocket.
- Hold the device to the body opposite the pacemaker to minimize the potential for interference. If you suspect interference, switch off your device, and move the device away.

FCC

Section 15.105 Information to the user.

(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

Class B:

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF exposure warning

This equipment must be installed and operated in accordance with provided instructions and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Max SAR Value: GSM 835:0.147 W/kg
PCS 1900: 0.312 W/kg

A. General Description

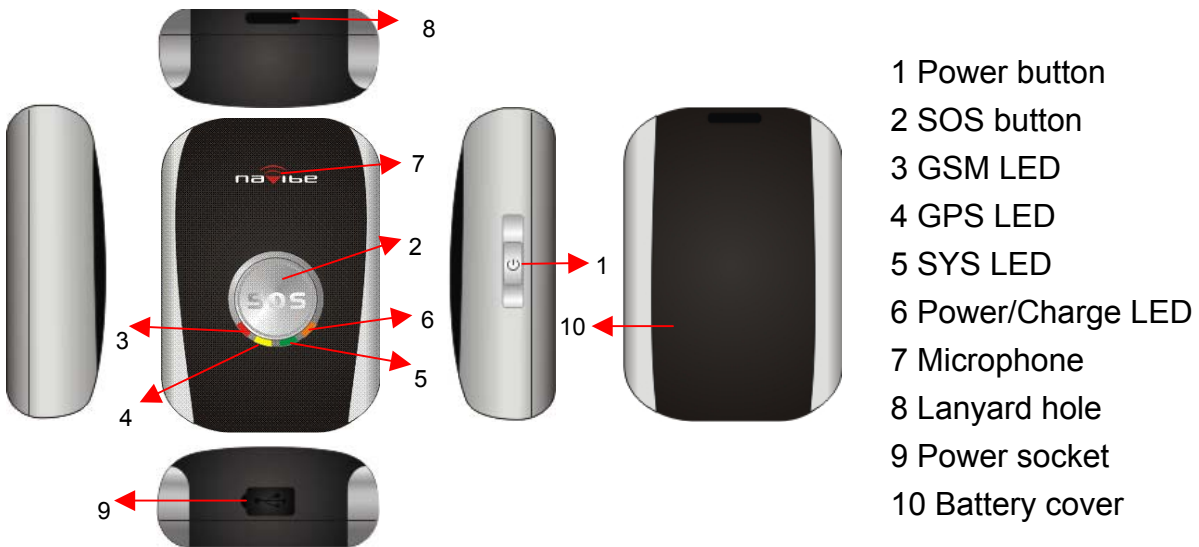
The GT701 Tracker is a portable GPS tracking device integrated with GSM (Global System for communication), GPS(Global Positioning System) and GIS(Geographic information System) can be used in an emergency. The GT701 not only is an ideal product for personal security and monitoring but also provide the Tracker transmits positional information via SMS text messages and GPRS allowing the guardian to monitor. Its position can be located via a cellular phone and the internet. The GT701 has the unique geo-fence feature to trigger an alert and send report to the guardian and the service provider, if the GT701 leaves or gets to another pre-defined area. The monitoring feature also saves power consumption and allows the guardian to remotely modify the GT701 parameters any time. The parameter of GT701 saved in SIM card can be modified directly or by the service provider.

B. Product Function

No	Function	Description
1	The SOS Emergency Button	In case of emergency, the user pressing and holding the SOS button (for about 5 seconds) then the blue SYS LED turns on after, release the button. The GT701 will transmit the positional information via SMS text message to the 3 preset user-defined telephone numbers (T1~T3) of the SIM card and to the service provider via GPRS.
2	Telematics Monitoring & tracing Mode	When the phone book number of T1, T2 or T3 calls GT701, It will automatically hang up and transmit its positional information via SMS text message to the caller.
3	Geo-Fence Notification	If the GT701 leaves or gets to one of the three pre-defined areas, it will automatically transmit the positional information via SMS text message to the 3 preset user-defined telephone numbers (T1~T3) of the SIM card and to the service provider via GPRS. Setting this

		function, please check the chapter of " Quick Start Guide"
4	Report rate Function	This function can be enabled for GT701 to regularly report its positional information at a preset interval time. It is disabled by default (value 0000). Setting this function, please check the chapter of " Quick Start Guide"
5	International Roaming (GSM & GPRS)	The GT701 is able to transmit positional information by GSM and GPRS. Therefore, the GT701 can be used all over the world. The default message setting is SMS.
6	Internet Maps Link	If the cellular phone owner of T1, T2 or T3 whose equipment with Web-browsing function, the GT701 can transmit an SMS web link showing for the GT701 location on a web-based map.
7	Low Battery Indication	If the battery power level is less than 25%, the GT701 will transmit a SMS text message to the 3 preset user-defined telephone numbers (T1~T3) and to the service provider via GPRS. The power LED will turn red. When the battery power shortage, it may cause SOS messaging or other functions unsuccessful. Please charge as soon as possible to ensure normal operation.
8	Recharging Indication	The GT701 will be powered on when the charger plugs in and the Power LED (green) start to flash slowly and regularity for several minutes. When Power LED (green) keep lighting continuously that is fully charged. Please unplug the charger socket for protecting battery. If not to use, please shut down the power or take off the battery.
9	Power Consumption	The GT701 can be recharged with the supplied vehicle adapter (DC12V) or household power supply adapter (AC110V-240V).
10	Remote Parameter Modification	The GT701 can receive a SMS text message to modify particular parameters of the SIM card by GPRS commands. Please check the chapter of" Quick Start Guide" and contact your service provider.

C. Product Interface Overview



- 1 Power button
- 2 SOS button
- 3 GSM LED
- 4 GPS LED
- 5 SYS LED
- 6 Power/Charge LED
- 7 Microphone
- 8 Lanyard hole
- 9 Power socket
- 10 Battery cover

D. Device Description.

No	I/O	Description
1	Power button	Power on / off.
2	SOS button	For emergencies.
3	GSM LED (yellow)	For GSM status.
4	GPS LED (red)	For GPS status.
5	SYS LED (blue)	For system status.
6	Power/Charge LED	For power status.
7	Microphone	Audio input.
8	Lanyard hole	For Lanyard.
9	Power socket	For adapter.
10	Battery cover	For battery and the SIM card protection.

E. LED Definition

No	Name	LED Status	Description
1	GSM LED (yellow)	Fast flashing	Searching GSM network.
		Slow flashing	Connecting to GSM network.
2	GPS LED (red)	On	GPS position locked
		Flashing	Searching for GPS positional information.

		Off		Power saving mode
3	SYS LED (blue)	On		System received the button's signal and start to perform the function
		Off		Standby mode
4	Power LED	Red	On	Battery power was level less than 25%
		yellow Green	On	Battery was fully charged
			regularity flash	Battery is charging

F. Accessories

1. Standard Accessories

- (1) Mini USB Cable(for charger)
- (2) AC/DC adapter
- (3) User Manual w/Quick Start Guide in 6 languages: English, German, French, Spanish, Italian and Simplified Chinese)

2. Optional Accessories

- (1) Car charger
- (2) Waterproof pouch

G. Product Notification

1. The GT701 only uses for GSM (Global System for Mobile communications) system.
2. Please turn off the power first before replacing the SIM card.
3. Please use a standard cellular phone to disable the SIM card's security PIN code and voice mailbox function before installing the SIM card into the GT701.
4. Do not delete or change the phone book name of SIM card. It may affect the functions.
5. **When the battery power shortage, it may cause SOS messaging or other functions unsuccessful. Please charge as soon as possible to ensure normal operation.**
6. The Antenna of GT701 is upon the case. Please always toward the sky for the best state of receiving **and avoid been shielded by any metal material.**
7. The SIM card can be used either a standard cellular phone or a SIM card reader attached to computer.
8. Use only the supplied or an approved accessory including battery and charger. Any unauthorized accessory or attachments could damage and may violate the device, that the guarantee and service will not be allowed.

H. Quick Start Guide

1. Note

Please comply with the “For your safety” and “Product Notification” section to use the product.

(1) Please use a standard cellular phone to disable the SIM card’s security PIN code and voice mailbox function before installing the SIM card into the GT701.

(2) The system is working and busy when the SYS LED (blue) turns on, it is inactive pressing any key except the SOS function.

(3) When GPS was on saving mode, all of the keys function could be delayed action than wake-up mode.

2. Start to use

Please open the cover of battery of the GT701 ,and put into SIM card, battery shown as below:



3. Password

Password has 6 characters. The label of password stick on the internal of GT701 (as above picture)

4. To start the phone book

Pressing and holding the power button for about 3 seconds the GT701 start to link to GSM system signal for about 60 seconds, the GSM LED(red) flash fast first and then flash slow

each for several times depend on GSM received state. The GT701 will check the phone book name for about 60~80 seconds when the SYS LED (blue) turns on. If there is no data on SIM card, the lights of GPS, SYS & Power LED will flash simultaneously.

If so, presses and holds the "SOS" button for few seconds until all lights of GPS, SYS & Power LED dying out. Then the GT701 will generate the phone book name of T1, T2, T3 and INTERVAL (as below list) which parameter is default setting.

5. To modify phone book

To modify the contents of the phone book of SIM card, please contact to your service provider.

(To avoiding GT701 can not use abroad, add the country code when modify the phone number.)

6. Phone Book specification

The phone book name table as:

Phone Book Name	Function
T1	When T1 call in GT701 which will hang up automatically and send a position info, default is 9999
T2	When T2 call in GT701 which will hang up automatically and send a position info. default is 9999
T3	When T3 call in GT701 which will hang up automatically and send a position info. default is 9999
INTERVAL	Setting regular report, default is 0000, setting for a unit of a second.

7. To set Geo-Fence Notification

All of T1~T3 users can set the function via the service provider's platform. The service provider will send commands to the GT701 via GPRS when user notices. If the setting was successful the GT701 will send the ack message to setting user and the user can check correct or not through the map.

8. Report rate setting

The phone book name is **INTERVAL**, default is 0000, setting for a unit of a second. The

minimum is 0180 if through GPRS transmission. Default is closed. The GT701 will not enter the saving mode if the setting time is less than 10minutes.

9. Powered on/saving mode/wake up mode

Pressing and holding the power button for about 3 seconds to turn on the GT701 and it will start to link to GSM system signal for about 60 seconds. The GSM LED (red) flash fast first and then flash slow each for several times depend on GSM received state, please waiting for the SYS LED (blue) lighted after. The GT701 will read all data of SIM card about few seconds then the SYS LED (blue) die out until done. The GT701 is searching GPS signal when the GPS LED (red) start to flash. The GT701 will search position data for about 5 minutes then to locate the first position, when located the GPS LED (red) lighted for about 20 sec, it will die out and that is GT701 enter the saving mode for about 518 sec. It is a circle that GT701 will automatically awaken and search for GPS signal for about 1'30" or after located 20 seconds then it will enter the saving mode.

10. Function perform

(1) To Send an Emergency Message

The user presses and holds the 'SOS' button (for about 5 seconds) until the SYS LED (blue) turns on then release it, and the GT701 will transmit the positional information to the 3 preset user-defined telephone numbers (T1~T3) via SMS and to the service provider via GPRS.

(2) Telematics Monitoring & tracing Mode

When the phone book number of T1, T2 or T3 calls GT701, It will automatically hang up and transmit its positional information via SMS to the caller.

(3) Geo-Fence Notification

If the GT701 leaves or gets to one of the three pre-defined Geo-Fence areas, it will automatically transmit the positional information to notify the 3 preset user-defined telephone numbers (T1~T3) via SMS and to the service provider via GPRS.

(4) Low Battery Indication

If the battery power level is less than 25%, the GT701 will transmit a SMS text message to the 3 preset user-defined telephone numbers (T1~T3) and to the service provider via GPRS. The power LED will turn red. When the battery power shortage, it may cause SOS messaging or other functions unsuccessful. Please charge as soon as possible to

ensure normal operation.

(5) Internet Maps Link

If the cellular phone owner of T1, T2 or T3 whose equipment with web-browsing function, the GT701 can transmit an SMS web link to showing the location on a web-based map.

(6) Link with GPRS SERVER

The contents of parameter can be modified via the service provider in GPRS commands anytime. The function depends on your local service provider.

I. Technical Specification

Item		Description
Dimension (L x W x H)		57(L)x 40(W) x 19(D)mm
Weight		48g
GSM Frequency		850/900/1800/1900MHz
Storage Temperature		-20°C ~ 85°C
Operating temperature		-20°C ~ 70°C
STORAGE HUMIDITY		5%~95%RH, Non Condensing
AC/DC Adaptor		+5V, input charging circuit 650mA
GPS Chipset		SiRF III 20-Channel
Power Consumption	Standby	<5mA.
	Operating	Average <250mA
	Full functions	<450mA (GPS & GPRS both working)
GSM & GPS standby		100 hrs (Wakes up every 30 minutes)
Full functions		2 hrs (GPS & GPRS both working)
Battery Charge Temperature		0°C~45°C
Battery Dis-charge Temperature		-20°C ~ 55°C
Battery Storage Temperature		-5°C ~ 55°C
Battery		800 mAH Lithium-Ion rechargeable battery
Working Power Voltage		DC (3.5V ~ 5.5V)

J. Troubleshooting

Situation	Possible reason	Solution
Fail to power on	1.Battery” +” or” –“ opposite 2.Battery power shortage	1.check the position of battery 2.change the battery or recharge
The SMS message was not received	1.Battery power shortage 2. Wrong Setting for SIM card	1. change the battery or recharge 2. check the setting for SIM card or connect the service provider
GSM LED (yellow) fail	1.Battery power insufficient or unconnected 2.Battery fail	1. Recharge the battery or replace it. 2.SIM card may be fail, test it with cell phone 3.Change the full battery
SYS LED(blue) continuous lighting when powered on	Failed when read the phone book data	1.Change the battery or recharge 2. Check the setting by the service provider.
Wrong contents of SMS	Wrong setting for phone book name of GTSETUP	Please check the setting by the service provider.
Service provider can't receive the positional information	Wrong setting for phone book	Please check the setting by the service provider.
Charging failed	Battery or charger damaged	Changing the battery or the charger.
Functions do not work	1.Battery power shortage 2. Wrong Setting for SIM card	1. change the battery or recharge 2. connect to your service provider