

GSM Tracker SIT1002 USER Manual

1. Product Image



2. Installation Manual

2.1 SIM Card Pre-installation, specification note.

- GSM NANO Sim Only.
- SIM card should have GPRS function enabled.
- SMS request will function only if Caller ID function is enabled.

2.2 SIM Card Installations and Removal

- Open the Sim cover at the back of the device, with the provided screw driver.
- Insert SIM card into the SIM slot, metal face down.
- Press and hold the power button until the blue light under the power button is on. It will be flashing when detecting signal, and then turns to steadily on for few seconds, and then turns off.**
- Call the device SIM number and it is supposed to get through without answer. (if you are using a data sim which is not supporting call function, ignore this step.)
- Close the cover with screw driver.

3. Button Operation

3.1 Button Operation for GPS function

We strongly recommend you to charge the product before using it the first time. And please be sure SIM is inserted correctly before power on.

- a. **Power On:** Press and hold the power button until the blue light is on. It will keep flashing while detecting GSM signal, and turns to steadily on for few seconds and then turns off.
- b. **Power Off:** Send command `*poweroff*` when the SIM is inserted.
If there is no SIM inserted, press and hold button until the blue light off.
- c. **Panic Button:** Press and hold power button for 3 seconds to generate a SOS call alert to the preset emergency number. No indicating light will be on.
- d. **Charge:** The blue light is steadily on during charging and turns off when it is fully charged.
If there is no LED light on, keep charging for 20 minutes and then press and hold the button to turn on the device, you will see BLUE LED light flashing and then turn to steadily on, and will turn off when fully charged.

4. Operation Commands Guide

4.1 Set APN: (VERY IMPORTANT AND MUST BE DONE 1ST) For the device to send data to the server, this command MUST be enabled.

SMS: `*apn*AXXX*BXXX*CXXX*` This command sets the telecom Access Point Name. BXXX refers to user name, CXXX refers to password.

If there is no user name and password required, send as `*apn*AXXX*`

If there is user name but no password required, send as `*apn*AXXX* BXXX*`

APN information can be checked on local telecom website.

You will receive the following text: "Notice: APN is set to XXX. User name: XX. Password: XX"

4.2 Registering the "Master" Controller

SMS to the device: `*master*123456*+1XXXXXXXXXXXX*`, (For instance, master controller phone number is +1XXXXXXXXXXXX. +1 refers to the country code. XXXXXXXXXXXX is the cellphone number. Please make sure country code is included, and digit 0 is not needed before cell phone number)

Device Response: "Notice: Cell Phone # xxxxxxxxxx is set to master controller, the password is 123456." (The device has a default password of "123456" to initially program in your PDA/Phone.

NOTE: The device will ONLY listen and respond to instructions from this number unless

you choose to turn on the multi controller function and open the device to any cell phone number

4.3 Changing the Password:

SMS: *password*654321* (654321 refers to new password)

You will receive the following text: "Notice: The password change is successful for +1XXXXXXXXXX. The new password is 654321."

Note: Changing password command has to be sent from master controller number.

5. Motion Detected Alert

the Master Controller will receive an Call/SMS alert once the device detects vibration indicating possible motion.

5.1 Set vibration sensitivity

There are 5 levels of the motion sensitivity. 1 being the most sensitive, 5 the least, default setting is 1.

SMS: *sensitive*1-5*

5.2 Set SMS Alert

There will be a SMS alert send to master number when any motion is detected, after 3 minutes of non-movement. **The system default setting is alert off, and can be turned on by command.**

SMS: *smsalert*

To enable motion sms alert function.

SMS: *alertoff*

To turn off motion alert function.

6. Tracking via SMS

6.1 SMS: *locateaddress*

Master number will receive the Cell tower address of the device via SMS.

6.2 SMS: *locatemap*

Master number will receive a Google map link. Click the link to view the map via cellphone browser. Device will reply the map link cell tower location.

And this function is suitable for smart phone user only.

7. Status query

SMS: **status**

System Health and status check. Returns text message indicating various system diagnostics

8. Multi Controller

This allows any SMS enabled cell device to query the unit for location, status, etc.

SMS: **multiquery**

“Notice: Multi query feature enabled.”

SMS: **multiqueryoff**

The unit will now only respond to the Master controller.

Device Response: to the Master Controller: “ Notice: Multi query feature disabled.”

9. Reboot

SMS: *88888888*

Reboot system, previous settings will not be cleared.

10. Master query

SMS: *999999*

To check registered master number, password and device's serial number.

11. Default

SMS: *default*

To operate factory default, previous settings will be cleared.

12. Low battery Alert

There will be a low battery SMS alert sent to master number when battery drops to 20% of it's capacity, and the routetrack function will be turned off for power saving. And it will resume working when battery is charged. The alert number can be appointed to any other cellphone number if needed.

Appoint low battery alert number

SMS: ***lowbat*alert cellphone number*** **Note:** Please make sure country code is included in the cellphone number.

Example

lowbat+319876543210*

13. Device Information

SMS: ***about***

You will receive a text message include software edition information and device's serial number.

14. Command Setting List

Function	Command	Description
APN Setting	*apn*XXXX*BXXX*CXXX*	This command sets the telecom Access Point Name . BXXX refers to user name, CXXX refers to password.
Master Setting	*master*123456*+1XXXXXXXXXX XX*	+1 refers to the country code. XXXXXXXXXXXXX is the cellphone number. Please make sure country code is included, and 0 is not needed before cell phone number
Password Changing	*password*654321*	Original password is default as 123456. 654321 refers to new password.
Vibration Sensitivity Setting	*sensitive*1-5*	1 being the most sensitive, 5 the least. Default setting is 1.
SMS Alert	*smsalert*	SMS notification will sent to master number when motion is detected after 3 minutes non-movement.
	alertoff	End SMS alert
Address Query	*locateaddress*	Cell tower address information of current location.
Google Map Search	*locatemap*	Google Map link with current cell tower location.

Function	Command	Description
Status query	*status*	Check system status
Multi Controller	*multiquery*	Enable multi controller function
	multiqueryoff	End multi controller function
Device Information	*about*	Software edition information and device's serial number.
Reboot	88888888	Reboot the system, previous settings will NOT be cleared.
Master Query	999999	Registered master number information, password and device's serial number.
Low Battery Alert Number	*lowbat*country code (plus) cellphone number*	To set low battery alert number.
Factory Default	default	Default system, previous settings will be cleared.

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Federal Communications Commission (FCC) Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: 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.

Warning: Changes or modifications made to this device not expressly approved by Alperton Ltd. may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF exposure statement:

The transmitter must not be colocated or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.