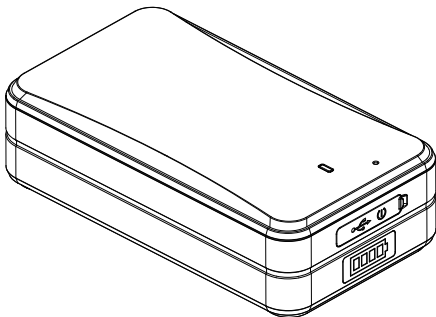




GTRAKAST

3G ASSET TRACKING SYSTEM

Startup Guide



GATORTRACKING.COM.AU

To ensure quickly and correctly use, please read this manual carefully before using. Any changes to the product appearance, color or accessories are without notice.

1 Inclusions

- Main device
- Mount bracket
- USB charging cable

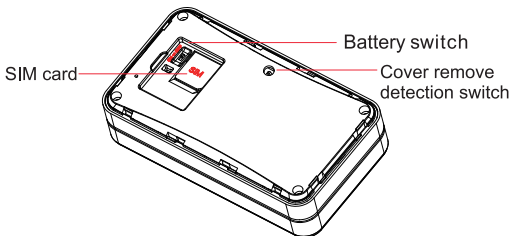
1.1 Main functions

- 3G (Quad Band)
- Intelligent power saving
- IPX5 waterproof
- Tamper alert
- Strong magnetic performance
- Fast charging
- 10000mAh battery
- Voice monitoring

1.2 Specifications

Frequency	850/900/1900/2100MHz
Location accuracy	<10 meters
Monitoring range	≤5 meters
Battery	10000mAh/3.7V industrial grade lithium polymer battery
Standby	Up to 2 years (GSM off, one position per day) Up to 50 days (Cellular always connected, GPS sleep); Up to 120 hours (GPS always on)
LED	1 red LED for GSM; 4 blue LEDs for battery
Operating temperature	-20℃ — +70℃
Dimension	108(L) x 61(W) x 30(H) mm
Weight	285g

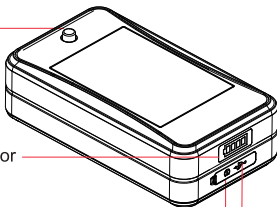
2. Appearance



Anti-tamper button

Push and loosen the button will trigger tamper alert

Battery indicator



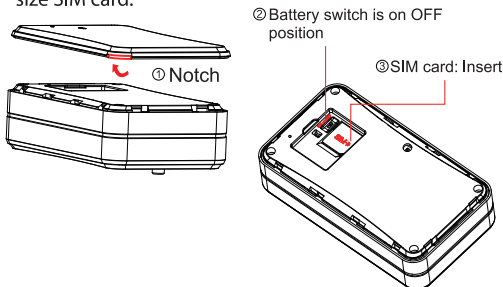
2.1 GSM Cellular Indicator

Status	Meaning
Flicker quickly (every 0.3 seconds)	GSM initialization/ No GSM signal/ No SIM card
Flicker slowly (0.1s on; 2s off)	Login platform
Always ON	Calling

The GSM/Cellular indicator turns off after the device operates for more than 3 minutes. To check the status whilst on (after the light has gone off), short press the power button to activate the indicator. The indicator will automatically turn off in 60 seconds

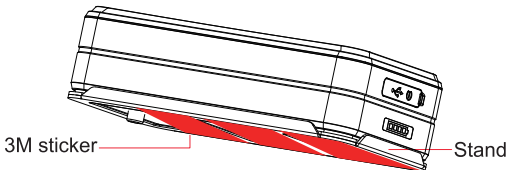
3. SIM card

The SIM card should have access to GPRS and SMS. Remove the cover, switch to OFF and insert the full size SIM card.



4. Installation

With it's strong magnet, the device is easy to install onto any Ferris metal surface. For non metallic (non ferris) surfaces a magnetic mounting base is supplied attached with 3M foam tape.



5. Operation

5.1 Power ON/OFF

Power on: Press the power button for 3 seconds (with battery switch in the ON position)

Power off: Press power button for 3 seconds (or turn the battery switch to off)

5.2 SOS Number

(Used only for direct SMS alerts). Not used on Gator subscriber SIM cards as it is server driven).

Set The SOS number via SMS (SMS functionality is only valid in tracking mode.)

1. SMS command to add SOS number:

SOS,A, number 1, number 2, number 3#

E.g. SOS,A,1351234xxxx, 1371234xxxx,1301234xxxx#

2. SMS command to delete SOS number:

SOS,D,number sequence 1, number sequence 2, number sequence 3#

E.g. SOS,D,1,2,3#

3. Query current SOS number: **SOS#**

5.3 SOS Number

Long standby mode (0)

SMS command: **MODE,0# (standby mode)**

If you send this command to the device SIM card, The device's GPS and data connection is turned off to save power, SMS is still active (to re enable it to Mode 1 when needed.)

Tracking mode (1) (default): GSM is always ON and location data is uploaded at the mode 2 set time intervals T1,T2. The time interval can be set on the designated platform or via SMS.

SMS command format: **MODE,1,T1,T2#**

1 means tracking mode

T1: (Object is moving)upload interval of GPS data in moving status, unit: second, 5-86400s; default: 10s

T2: Upload interval of GPS data when the object is static unit: second, 5-86400s; Default: 0s, no data uploaded. The more frequent the data interval the more battery power it uses.

86400 Seconds = 1Day (24Hrs)

Ultra-long standby mode: The device wakes up and uploads location data in a fixed time.

Notice: In this mode, all commands will NOT be executed until the device wakes up at the preset time interval. If you want to compel the device to wake up and receive a command (when in this mode), you can a) trigger the tamper alert button or b) Reboot the device: Press and hold the power button for 3 seconds. SMS command format: **MODE,2,T1,T2#**

"2" means ultra-standby mode.

"T1" means the start time of sleeping period. Format: HH:MM.

"T2" means the sleep time interval, range 1-72(hours). Default: 24 hours.

Note: SMS commands take effect after the device wakes up. E.g. MODE,2,12:00,8# (Meaning: The device starts to fall asleep at 12:00, and wakes up every 8 hours).

5.4 Tamper Alert

The anti-tamper button (when popped out)

In standby mode, an alert message will be uploaded and tracking mode will be activated for 20 minutes if device is tampered with. After 20 minutes, the device enters into ultra-long standby mode. The tamper alert can be turned off by command: **cancel#**

5.5 Cover Removal Alert

Cover detection sensor alert when device cover is opened. In standby mode, an alert message will be uploaded and tracking mode will be activated for 20 minutes. After 20 minutes, the device enters into

ultra-long standby mode. Dis-assembly cover removal alert can be turned off by command: **cancel#**

5.6 Low Battery Alert

When the battery is low, the device will activate its low battery alarm.

5.7 Vibration alarm

The vibration alarm only works in mode 1 (tracking mode). To activate this function, Please send SMS **111** to the device by SOS number and the device will be in arming status. To turn on the vibration alarm, please send command **SENALM, ON#**

SMS command for device disarming: **000**

5.8 Geo-fence alarm

The geo-fence alarm only works in mode 1 (tracking mode). When the vehicle enter/exit the preset geo-fence area, the device will send alarm to the SOS numbers when the geo-fence function is ON.

5.9 Voice monitoring

Use preset SOS number to send command **MONITOR#** to the device. Device would automatically call you back in a second. Pick up and monitor the voice inside the vehicle.

5.10 Power on alarm

Alarm will be sent when the device starts. SMS

command: **BOOTALM,A,M#**

A=ON/OFF; default: ON

M=0~1; alarming way, 0: GPRS, 1: SMS+GPRS;
default: 0;

BOOTALM,A,OFF#

Turn off the power on alarm

5.11 Power off alarm

Alarm will be sent when the device power off. SMS

command: **PWROFFALM,X,M#**

X=ON/OFF; default: ON

M=0~1; alarming way, 0: GPRS, 1: SMS+GPRS;
default: 0;

5.12 Power off restriction

When power off restriction command is sent by SOS numbers, the device can't power off by pressing the power button.

PWRLIMIT,X#

X=ON/OFF; ON: means power off forbidden, OFF:
means allow to power off;

PWRLIMIT#

Check ON/OFF status.

6. Warning

Battery specified by manufacturer is recommended. Maintenance or service arising from any other accessories is not guaranteed. Manufacturer assumes no responsibility for any damage caused by non-original accessories.

Do not bend or open the battery.

Do not immerse or burn the battery.

Device dis-assembly is strongly forbidden.

Non-professionals' operation may cause device damage.

7. Troubleshooting

If you are having trouble with your device, try these trouble shooting procedures before contacting a service professional.

Problems	Causes	Solutions
Poor signal	The signal waves are unable to transmit or receive using GPS or Cellular signals	Test this using the device away from objects in the open. If OK in the open but not on the object, try find a better location.
Unable to boot	Power switch is off	Switch to ON
	Battery low	Charge
	Non active SIM	Insert SIM valid card
Unable to connect to the network	SIM card inserted incorrectly	Check SIM card
	Dirty pins on the SIM card	Clean SIM card
	Invalid SIM card	Contact network supplier
	Not in GSM service area	Move to service area
	Poor signal	Move to area with strong signal

8. IMEI/SIM number safeguard

Copy the **IMEI/I.D.** number (10-digit bar code of the device), and the **SIM** card number and place here for safe keeping before installing the device.

NOTE: DO NOT LEAVE THIS INFORMATION INSIDE THE VEHICLE (for security reasons)

IMEI number

— — — — —

SIM number

Retailer

Date of purchase

9. Technical assistance

If you need assistance setting up or using your Gator product now or in the future, call Gator Support Australia.

TEL: 03 – 8587 8898

FAX: 03 – 8587 8866

Mon-Fri 9am – 5pm AEST



Please retain this user guide for future reference.

If you would like to download a digital copy of this manual, or other Gator manuals/software, please visit the website gatortracking.com.au.

This manual is considered correct at time of printing but is subject to change. For latest manuals and updates refer to the website.

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