

Buddy button. Press for 3 seconds to send SOS SMS and call stored numbers

Microphone

Micro USB used for charging

LED indicators



Press once to accept Incoming call



ON/OFF button. To turn on/off press for 3 seconds

Insert Micro SIM into SIM slot



SIM slot

CALL button. To call stored Number press for 3 seconds

- For the first time use, please fully charge the battery for around 8 hours, using the USB charger.
- When charging, the RED Power LED will be on (solid). After fully charged, the power LED will be off.
- Insert an activated Micro SIM card and turn on the unit by pressing the on/off button for 3 seconds.
- To get an initial location, use outdoors or near a window so the device may fix onto the satellites.

Quick Start Guide

GSM LED - GREEN	
Connected to GSM network	Fast flash every 3 seconds
Connected to GPRS network	Two fast flashes every 3 seconds
No GSM connection	Slow flash every 3 seconds
No SIM card	Always on
GPS LED - BLUE	
Has GPS location	Fast flash
Has GSM location	1 second flash
Has no location	Slow flash
GPS chip sleeping	Always off
Power LED - RED	
Battery charging	Always on
Not charged or fully charged	Always off
Device on the move	Flashing randomly
Battery low	Flashing regularly

Set authorised number (and back-up number)

Commands: A1 & B1 - send SMS with text “**A1**” from primary authorised mobile, And if needed send an SMS with text “**B1**” from a secondary authorised mobile.

Device will reply with the message: “*Set mobile number OK!*”

✳ To delete a number from memory, send an SMS with text “**A0**” or “**B0**”.

Status request

Command: status (send SMS with the text “**status**” from an authorised mobile)

Device will reply E.g. A+447924373737 B447624373737 C447430373737; Spd: 0,100km/h; Geo:0,0,0; VB:1,10S; MV:1,100; LBS:1; LED:0; RCV:0; TZ:2.0; LI: 1; PS:1; DS:0; FL:1; Bat: 95. *Whereby the number “0” implies that the function is turned off; whilst “1” indicates that the function is turned on.*

Location request

Command: loc (send SMS with text “**loc**” from an authorised mobile) Device will reply “GPS Info! Time: dd/mm/yy HH:mm:ss; Lat: 51.123456; Lon: l

1.234567; Spd: 0 Altitude:10.1 Bt: 19

maps.google.com/maps?q=loc:51.123456,-1.234567

GEO-Fence Alarm

Set GEO-FENCE Alarm

Command: Gn, Y, Z, xxxM/KM – (send SMS with the text e.g. “**G1,1,1,100M**” from an authorised mobile)

Whereby:

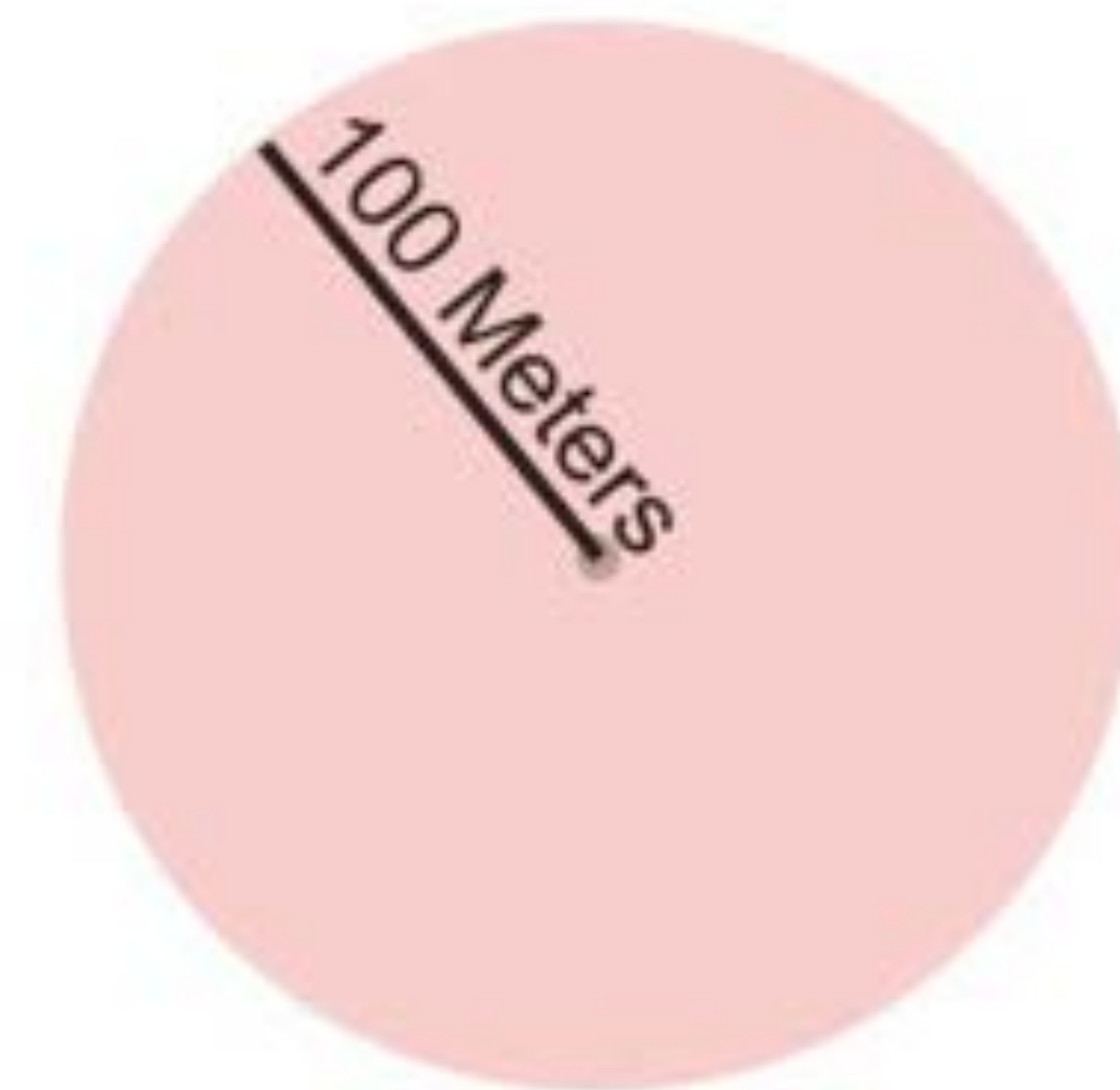
n=Geo fence number (from 1 to 3). The user can set up to 3 Geo fences.

Y=0 means to turn off the function. Y=1 means to turn on the function.

Z=1 means to set alarm when the device enters the pre set area.

Z=0 means to set alarm when the device leaves the pre set area.

*xxxM/KM is the radius distance from the devices current location,
must be 3 digitals. M means meters, KM means kilometres.*



The device will send, to authorized numbers, the message “Geo fence alarm!+GPS info” when it enter the set area.

NB: User must set this function when the device already has a fixed GPS signal.

※ To turn off this function, please send “**G1,0**” or “**G2,0**” or “**G3,0**”.

Over-Speed and Movement alerts

Set Movement alert

Command: M1, xxxM/KM (send SMS with the text e.g. “**m1,100m**” from an authorised mobile)

Whereby: xxx is the distance from the devices current location (specified as 3 digitals).

M means meters, KM means kilometres

When the device exceeds the defined distance, it will send an SMS alarm to the authorised numbers and Then automatically turn off the function.

※ To turn off this function, please send “**M0**” to the device.

Set Over-Speed alert

Command: speed1,s (send SMS with the text e.g. “**speed1,100**” from an authorised mobile)

Whereby s in km/h must defined in 2 or 3 digitals e.g. (01~255km/h).

If the over speed alert is set to 100km/h, when the devices speed exceeds 100km/h, it will send, to the authorized numbers, the message “Over speed! +GPS Info”.

※ To turn off this function, please send “**speed0**” to the device

Vibration and Fall detection alarms

Set Vibration alarm

Command: V1, xxS/M/H – (send SMS with the text e.g. “**V1,05M**” from an authorised mobile)

Whereby xx defines the time and must be two digital, S means second, M means minute, H means hour.

If activated the device will send an SMS alarm to all registered phone numbers every for example 5 minutes if motion is detected.

※ To turn off this function, please send “**V0**”.

Set Fall detection

Command: FL1,f – (send SMS with the text e.g. “**FL1,5**” from an authorised mobile)

Whereby f defines the sensitivity between 1 and 9.

1 - is for very fast accelerated speed.

9 - is for a slow accelerated speed.

The device will reply “fall detection on” and will send an alarm to all authorised numbers if a fall is detected.

※ To turn off this function, please send “**FLO**”

Additional Location Functions

Set Cell Locate

Command: CL1 – (send SMS with the text e.g. “**CL1**” from an authorised mobile). The device will reply “Cell locate on!”. The device can be tracked by GSM base station tower, If GPS signal is not available.

※ To turn off this function, please send “**CLO**”.

Set GPS signal lost and recovery alert

Command: GR1 – (send SMS with the text e.g. “**GR1**” from an authorised mobile). The device will automatically send the latest available GPS information to the authorised numbers when it enters into the area without GPS signal. The device will then send GPS information to authorised numbers as soon as the GPS signal is detected.

※ To turn off this function, please send “**GR0**”.

Set AGPS

Command: AGPS1 – (send SMS with the text e.g. “**AGPS1,50.996524,-1.519584**” from an authorised mobile)
AI GPS is for accelerated positioning and helping position a device when GPS signals are weak or not available. AGPS will also help to fast fix the GPS signal when you turn on the device.

※ To turn off this function, please send “**AGPS0**”

Power Saving

Set Smart Power saving mode

Command: PS1 – (send SMS with the text “**PS1**” from an authorised mobile)

The device has a built-in motion sensor. With this mode activated, the GSM chip is always on but the GPS chip is only activated by motion or an incoming call or SMS.

※ To turn off this function, please send “**PS0**”.

Set Deep Sleeping Mode

Command: DS1 – (send SMS with the text “**DS1**” from an authorised mobile)

Both the GSM and GPS chip will be off to save power, they can be only activated by motion. Once it activated they will run for 15 minutes and sleep again if no further motion is detected.

※ To turn off this function, please send “**DS0**”.

Note: When the devices battery is lower than 20%, it will send an SMS alarm “BAT: LOW! + GPS INFO” to all authorised numbers.

Hardware Specification:

Content	Specs.
Mainframe Dimension	61mm*44mm*16mm
Weight	35g
GSM Frequencies	900/1800mhz or 850/1900Mhz
GPS chip	U-blox 7 (Support AGPS)
GPS sensitivity	Cold start: -148dBm Hot start: -162dBm
GPS accuracy	<2.5m
Time to First Fix	Cold start 32s, Warm start 11s, Hot start 1s
Charging Voltage	5V DC
Battery	Chargeable 3.7V 900mAh
Standby Current	≤2mAh
Storage Temperature	-40°C to +85°C
Operation Temperature	-20°C to +80°C
Humidity	5%-95% non-condensing



Cautions

Please comply with the instructions to extend the unit life:

1. Keep the unit dry. Any liquid may destroy or damage the inside circuitry.
2. Don't use & store the unit in dusty places.
3. Don't put the unit in overheated or overcooled places.
4. Clean the unit with a piece of dry cloth. Don't clean with chemicals or detergent.
5. Don't disassemble or refit the unit.
6. Using other batteries will cause damage.