

## Personal Tracker

### Product Honorary Certificate:

**Patent**

**Patent No: ZL201020117407.X**

**Patent**

**Patent No: ZL03114241.9**



### Feature

- Mini size and portable
- GPS tracker and GSM mobile phone
- Preset 5 quick dial numbers
- GPS/LBS dual tracking
- Mobile phone tracking
- Web-based tracking
- Three GPS work mode settings

### Application

- Child/Senior care monitoring
- Vehicle/assets/pet tracking



**Specification:**

GSM frequency: 900/1800GHz (1900GHz optional)

Work temperature: -20°C ~ +65°C

Relative humidity: 5% ~ 95%

Power consumption: at standby ≤ 55mA

Backup battery: Li battery, 3.7V 1000mA

Dimension: 101 × 53 × 16.5mm

Weight: 0.25kg

**GPS work mode**

There are three GPS work modes.

GPS work mode	Description	Working hour
GPS auto ON	GPS starts tracking only when GSM tower changes.	12-16hours
GPS ON	GPS is working all the time.	5-6hours
GPS manual ON	GPS is off unless user sends *1234*W# to enable GPS tracking.	25-30hours

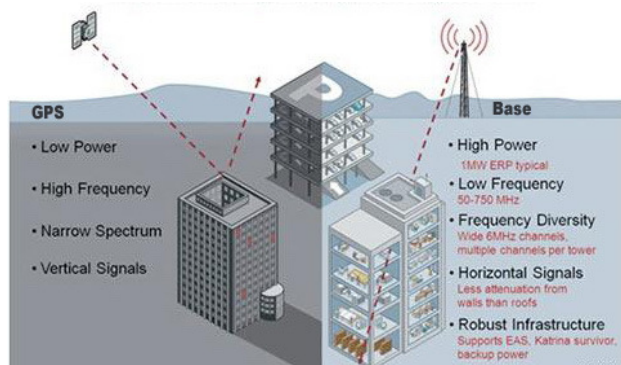
GPS start: warm start: 30~40s cold start: 60~120s

**Dual Tracking**

GPS: The personal tracker is embedded with GPS chipset. We have already programmed Google link into the personal tracker. You may use your mobile phone to send GPS query command to the personal tracker. Upon getting GPS data, you may click

the Google link to see the location of the personal tracker on your mobile phone. It is also enables with web-based tracking.

LBS (Location based service): In case there is no GPS signal, it uses triangle GSM towers to locate your car. Since there is no GPS power consumption, it gives the tracker longer working hours with LBS.





### GPS and LBS comparison

Mode	Perimeters	Error
GPS	Longitude/Latitude	5-50meters
LBS	LAC/CID	100-200meters

Example:

LAC:10162CID:03912,\$GPRMC,075046.055,A,2231.1067,N,11354.1784,E,0.00,0.00,041110,,A*61#		
Pink <span style="background-color: pink; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> : GPS data      Green <span style="background-color: green; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> : LAC/CID		
Mode	Data	Red ball: Exact location Green ball: GPS or LBS location

GPS	2231.1067,N, 11354.1784,E	
LBS	LAC:10162CID:03912	

**How to use mobile phone tracking**

Send the SMS: \*1234\*W#

SMS reply:

[http://maps.google.com/maps?f=q&hl=en&q=\(-\)xx.xxxxxx.\(-\)xxx.xxxxxx&ie=UTF8&z=16&iwloc=addr&om=1](http://maps.google.com/maps?f=q&hl=en&q=(-)xx.xxxxxx.(-)xxx.xxxxxx&ie=UTF8&z=16&iwloc=addr&om=1)

Then you click the Google link to see your car/person in the Google map on your mobile phone.



**Hidden Monitoring**

You may set up your mobile phone number to monitor call-in and call-out from the GPS device user.

SMS command: \*1234\*MONI: x, y, xxxxxxxxxxxx#

X=0/1, 0---outgoing call; 1---Incoming call.

Y=0--99 minutes, monitoring time. 0---no limitation, terminate monitoring by hanging up.

xxxxxxxxxxxxx----monitor's mobile phone number



### SOS

Press and hold SOS button for 5 seconds. Then it sends out SOS alert to preset mobile phone numbers. Auto call follows until one recipient picks up the call.

