

# Personal Tracker

## USER MANUAL

# 1. INSTRUCTION

GP007 is a personal remote position device with build-in GPS and GSM/GPRS modules. It is a small size, high accuracy remote location tracking device. Based on GPS satellite, it provides accurate position information under dynamic conditions. Personal remote position device transmit the longitude and latitude coordinate to authorized cell phone.

You can use these features for protecting and searching children and old persons. Further, you can use it as a security purpose and other purpose which needs remote positioning such as asset protection and animal tracking

## 2. Feature:

- ◆ Build-in GPS personal locator
- ◆ GSM/SMS communication or GPRS TCP/UDP connection
- ◆ Works worldwide!  
Support 4-frequency GSM 850/900/1800/1900MHZ.(Optional)
- ◆ High sensitivity, New technology and latest GPS SIRF-Star III chipset!  
Excellent for fixing the position even at a weak signal status.  
Work well even in areas with limited sky view like urban canyons.
- ◆ Compact size, and smaller than one name card. Easy to hide
- ◆ Very Low power consumption
- ◆ Fast Signal location and continuous tracking
- ◆ Support single location and continuous tracking

- ◆ Support location triggered by tracker
- ◆ Support location triggered by authorized cell phone
- ◆ Support alarm and remote monitor
- ◆ Support quick dialing buttons for 2 preset phone numbers
- ◆ Support check location by SMS and internet
- ◆ Monitors can track the person without interfering him,  
LIVE! Real-Time tracking!
- ◆ Locate the locator holder by the mobile phone via SMS(short  
messaging system).
- ◆ SOS button send out exact location for immediate rescue/action.
- ◆ Geo-fencing to restrict movement to be paid to the call center
- ◆ No monthly service charges to be paid to the call center

## New feature:

- ★ optional magnetic mounted;
- ★ with optional external battery(extend to work for 10days);
- ★ some optional accessory for pet such as collar;
- ★ DIY Tracking! GP007 can automatically commutation with most  
navigation map or Google earth by SMS Decoder  
modem.(optional)

## 3. Specification

Hardware	
GPS module	(Optional)embedded GSM850/900/1800/1900Mhz or GPRS TCP/UDP

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GPS Chipset	Latest GPS SiRF-Star III chipset
GPS Sensitivity	-158Db
GPS Frequency	L1,1575.42MHZ
C/A Code	1.023MHz chip rate
Channels	20 channel all-in-view tracking
Position Accuracy	10 meters,2DRMS
Velocity Accuracy	0.1m/s
Time Accuracy	1 us synchronized to GPS time
Default datum	WGS-84
Reacquisition	0.1 sec.,average
Hot start	1 sec.,average
Warm start	38 sec.,average
Cold start	42sec.,average
Altitude Limit	18,000 meters(60,000 feet)max.
Velocity Limit	515 meters/second(1000 knots)max
Acceleration Limit	Less than 4g
Jerk Limit	20 m/sec
Operating temperature	-25°to 65°C
Humidity	5% to 95% Non-condensing
Dimension	76 mm×46 mm×20 mm
Voltage	Rechargeable and replaceable 1300mAh battery(3.7v),5v for charging input.
Charging connector	DC5V(USB port)
Standby time	Over 48 hours
LED	3LEDs showing Power, GPS and GSM

	status, And other operation status.
KEY	3Keys for SOS Emergency key, quick dial TEL1, quick dial TEL2



LED state description

Red LED—indicate power state:

State	Meaning
Dark	the power is low work

Light 0.1s dark 0.1s	The power is not enough
Light	Charging
Light 1s dark 2.9s	Working

BlueLED-indicate the GPS signal state:

State	Meaning
Light	One key be pressed
Light 0.1s dark 0.1s	Initial
Light 0.1s dark 2.9s	GPS receiver work well
Light 1s dark 2 s	Working

Green LED-indicate the GSM signal state:

State	Meaning
Light	One call is coming
Light 0.1s dark 0.1s	Initial
Light 0.1s dark 2.9s	GSM receiver work well
Light 1s dark 2s	No GSM signal

## 4. Operation

### 4.1. Charge battery

Before you can use the GP007, you must FULLY charge the battery by USB cable at least 2.5 hours under the power-off condition

Charger state indicate:

Red light is ON, it indicates that it is in charging

Red light is OFF, it indicates that it already completed to charge.

#### 4.2. Buy SIM card

Buy SIM card from local service provider

#### 4.3. Install SIM card

Install the SIM card



Press the POWER ON button, and waiting for about 30~50 seconds

#### 4.4. Apply for one position service

Edit a message as following format, then send it to GP007:

Format: A+Password,+000(init password is:000000)

For example:**A000000,000**

The GPS007 will reply by one SMS, including the position information

**Longitude E113.93923 Latitude N22.54079 08-10-20 17:38:30**

(Tip: Apply for one position service by another easier way:

(a) Dial up the GP007 number by your mobile phone

(b) After listening the ring of GP007, shut down the dialup

- (c) Then, after 10second,your mobile phone will receive the position SMS.)

#### 4.5. Modify the user's password

Edit a message as following format, then send it to GP007:

A+Password,+001,+XXXXXX

(Note:XXXXXX new password ,\*\*\*\*\* old password)

For example:**A000000,001,005678**

(its means is GP007's accepting new password is 005678)

The GP007 will reply by one SMS :Set Password OK!

#### 4.6. Set refresh rate of personal tracker

(it is say that GP007 will send one position message every time interval)

Edit a message as following format, then send it to GP007:

A+Password,+002,+XXX

(Note:XXX Unit:minutes,if XXX=000 it is STOP refresh position)

For example:**A000000,002,005**

(its means is GP007 will send position Data each 5 minute.)

The GP007 will reply by one SMS: set Time Interval(005)OK !

The target phone will receive the Position Data each 005 minute.

**Longitude E113.93923 Latitude N22.54079 08-10-20 17:38:30**

(Note:if SMS show:Longitude=00.00000 Latitude=00.00000 It means that GPS signal is too weak to work well)



#### 4.7. Set SOS function or CALL A/ CALL B preset phone number.

For example

A+Password,003,F,P,Telnumber

F=0 OFF

F=1 Press key, only send SMS

F=2 Press key, only dial mobile phone

F=3 Press key, send SMS, and dial mobile phone

P=1 Set SOS key function

P=2 Set CALL A key function

P=3 Set CALL B key function

For example:**A000000,003,3,1, 13628888444**

Meaning: when the SOS button be pressed for 4s, the GP007 will send one Alarm SMS to “13628888444,”and then dial up “13628888444”

NOTE:(a)After SOS button be pressed, you can call and talk with another people by ear microphone

(b)Press the Dial CALL A, you can hang up the call or cancel the SOS call

(C)After press the SOS key,GP007 do not go into normal state until you press Dial key A to cancel the SOS call

#### 4.8. Set Alarm for overspeed

Edit a message as following format, then send it to GP007:

A+Password,+005,+XX

(Note:[00<XX<20] (unit:10km ,if is 00, means OFF)

For example:**A000000,005,05**

(its means is GP007 will send SMS to SOS phone number , when

speed >50km/h )

The GP007 will reply by one SMS:Set Overspeed (XX\*10) KM OK!

#### 4.9. Set Alarm for going out one rectangle scope

Edit a message as following format, then send it to GP007:

A+Password,+006,+XX

(Note:[XX\*100m, 00<XX<50] ,if XX is 00, means OFF)

For example:**A000000,006,05**

(its means is GP007 will send SMS to SOS phone number , when distance >500m )

The GP007 will reply by one SMS:Set Distance (XX\*100)M OK!

#### 4.10. Receive one incoming call

When one call coming, the green light will light, you can press SOS key once to receive the calling, then talk with another people by ear microphone, Press the Dial CALL A, you can hang up the call or cancel the SOS call

#### 4.11. Displaying location on map

(1)download google earth software from <http://maps.google.com/>

(2)Start the Google Earth software.(For more information about Google Earth software,please refer to <http://maps.google.com/>)As following picture shows:

(Note:pay attention to change the position Data Format)

Or you can start the Internet Explorer and type

<http://maps.google.com/> to connect to Google Map website for displaying the location map.

Google map as follow:



- (3) Or you can use local map software on PDA or Car Navigation Device, input the position Data.  
(Note: pay attention to change the position Data Format)