IPT-123 KidSafe & Senior GPS Tracking System

User Manual

1. How It Works

IPT-123 is a GPS/GSM tracking device which reports real-time geographic information by sending an SMS to your mobile phone.

By making a phone call from a 3G phone, the IPT-123 will answer, then immediately will hang up, and send back GPS location information, as well as a Google Map link via an SMS (text message).

Step 1
Dial

Step 2
Receive SMS

Step 3
Click on
SMS Link To
View Map

For Privacy, the IPT-123 will only accept calls from pre-programmed numbers. Your phone must have Caller ID switched on otherwise the IPT-123 will not respond. (see Section 4 on programming)

By clicking on the Google Map link, your 3G phone will open Google Maps on the screen to display the location of the device.

2. Functionality of IPT-123

IPT-123 provides the following functions:

- Real-Time Location report via SMS by an authorized mobile phone call.
- Emergency SOS Alert to a maximum of three authorized phone numbers via SMS.
- Movement report to a maximum of three authorized phone numbers via SMS.
- Low Battery Level report to a pre-set phone number.

3. How to set up and program IPT-123

1. Unscrew the rear battery cover of the IPT123, remove the battery and insert a prepaid sim card (without sim pin lock). Then re-insert the battery and replace the cover and screw

2. Turn on the IPT-123 , via the small on off switch on the side of the device.

3. The IPT-123 is programmed by sending an SMS message from your mobile phone to the IPT-123. The SMS message format for the set up is as follows: (make sure there are no spaces in the SMS)

   #Current_Password*CFG*New_Password*Phone_Number1*
   Phone_Number2*Phone_Number3* Low_Battery_Setting*Time_ Zone Setting*Device_Name#

   Parameter definition:

   Current_Password:

   The password is set to 0000 from factory. If this password is incorrect then IPT-123 will not accept the settings and no error message will be returned to the sender's phone number via an SMS. If you change your password from 0000 please remember it, otherwise you will need to return the device to Intellitrac for resetting.

   CFG:

   This parameter is programming the IPT-123 to enable the tracking/reporting function, it can not be changed.

New_Password:

Numeric characters only. Minimum length is 4 digits and maximum is 10 digits. **Please do not forget your password.**

Phone_Number1: (The IPT-123 will accept incoming calls from this number)

Maximum length is 16 characters including the character '+' if needed.

Example: +61 418 123 456 or 0418 123 456

Note:

Phone_Number1 is necessary in the SMS message to enable the use of the IPT-123 .

Phone_Number2: (The IPT-123 will also accept incoming calls from this number)

Maximum length is 16 characters including the character '+' if needed.

Example: +61 418 123 457 or 0418 123 457

Note:

If you are not programming any telephone number in **Phone_Number2:** Fill in 'C' to clear the existing Phone_Number2.

Phone_Number3:

Maximum length is 16 characters including the character '+' if needed.

Example: +61 418 123 458 or 0418 123 458

Note:

If you are not programming any telephone number in **Phone_Number2:** Fill in 'C' to clear the existing Phone_Number2.

Low _Battery_Setting:

This parameter is to enable the Low Battery Level Report to send an SMS to your phone.

0: Disabled, means no SMS report will be sent to the pre-set Phone_Number1

1: Enabled, means a "Low Batt" report will be sent to the pre-set Phone_Number1 via SMS.

Time_Zone_Setting:

Set up the local time for IPT-123 . The format is "±HHMM". The original setting in IPT-123 is the GMT time (England time).

Example:

+1000 (set up the local time for Melbourne, Sydney, Brisbane)

+0930 (set up the local time for Adelaide)

+0800 (set up the local time for Perth)

Device_Name:

You can use this parameter to assign a preferred name for IPT-123 and it will appear on each SMS report. The maximum length is 10 characters, which can be a mix of numbers and the English alphabet.

Example:- Mum's GPS

If the SMS message setting is successful, the sender will receive an SMS confirmation on their mobile phone from IPT-123 as below:

$OK:CFG*New_Password*Phone_Number1*Phone_Number2*Phone_Number3*Low_Battery_Setting* Time_Zone_Setting*Device_Name#

Example 1:

SMS set up message:

#0000*CFG*1234*0418123456*0418123457*0418123458*1*+1000*Mums GPS#

SMS confirmation message:

$OK:CFG*1234*0418123456*0418123457*0418123458*1*+1000*Mums GPS#

Note:

If there is only one phone number to be set in IPT-123 , a sample SMS message would be

#0000*CFG*1234*0418123456*1*+1000*Mums GPS#**

If there is only two phone numbers to be set in IPT-123 , a sample SMS message would be

#0000*CFG*1234*0418123456*04181234571*+1000*Mums GPS#**

If any parameter or format is incorrect, IPT-123 will return the error message with all of the original settings as the following format:

$ERR:CFG*New_Password*Phone_Number1*Phone_Number2*Phone_Number3*Low_Battery_Setting*Time_Zone_Setting*Device_Name#

Note:

If the SMS set up message contains an incorrect password, IPT-123 will ignore this SMS set up message and not respond with any error message back to the sender.

4. How to query the setting of IPT-123

The current settings in IPT-123 can be queried by sending the following SMS message to the IPT-123 :

#Current_Password*CFG*?

The IPT-123 will respond with the following SMS message back to the sender:

$OK:CFG*New_Password*Phone_Number1*Phone_Number2*Phone_Number3*Low_Battery_Setting*Time_Zone_Setting*Device_Name#

Example:

1) If the original setting is:

   0000*0418123456*1*+1000*Mums GPS**

2) And a query is sent via SMS to IPT-123 :

   #0000*CFG*?

3) Sender will receive the following SMS from IPT-123 :

   $OK:CFG*0000*0418123456*1*+1000*Mums GPS#**

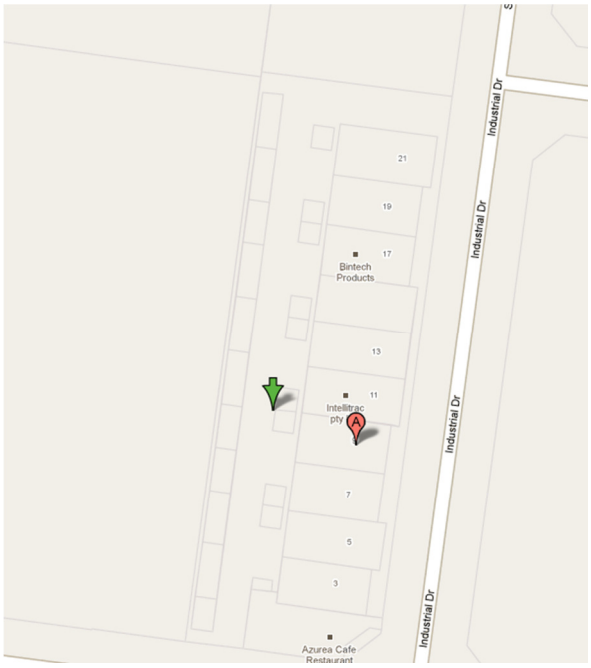
5. How Track The IPT-123

1) Make a phone call from your mobile phone to IPT-123 .
2) IPT-123 will hang up the phone call automatically after one ring tone.
3) IPT-123 will send an SMS message back to the caller's 3G phone with the following message:

Example:

Location
Mums GPS
2010/04/16 13:11:22
Lat:-37.68506
Lon:145.07221
Spd:0Km/h
Sat: 8
http://maps.google.com/maps?q=-37.68506,145.07221

4) Enable the web link (Google Map link), as above, to show the location map on the 3G phone.



6. How to enable the Emergency SOS SMS for IPT-123

1) Press and hold the IPT123 SOS button for 3 seconds.
2) The 3 LEDs of IPT-123 will blink simultaneously for 5 seconds which indicates that the Emergency SMS message is being sent to the pre-set phone number(s).
3) The 3G phone(s) with the authorized phone number(s) will receive the Emergency report via SMS.
   Example:

   Emergency
   Mums GPS
   2010/04/16 13:11:22
   Lat:-37.68506
   Lon:145.07221
   Spd:0Km/h
   Sat: 8
   http://maps.google.com/maps?q=-37.68506,145.07221

7. How to enable the Movement report on the IPT-123

1) Quickly press the SOS button 3 times within 2 seconds.
2) The power LED on the IPT-123 will blink twice every 5 seconds, and keep blinking in this manner. In the meantime, the GPS and GSM LEDs are OFF when in this mode.

The IPT-123 starts to detect the any movement 180 seconds after this mode is enabled.
No action will be taken within the 180 seconds even if movement is detected.
This delay of 180 seconds is designed to prevent any false alarms.

If movement is detected by the IPT-123, the 3 LEDs on the IPT-123 will blink simultaneously, 1 second ON and 1 second OFF, 30 times (for a total of 60 seconds).

After 60 seconds the IPT-123 will send out an SMS Alert

To Disarm the movement alert, quickly press the SOS button 3 times within 2 seconds.

The Moving Report SMS is as follows:

Example:

Moving
Mums GPS
2010/04/16 13:11:22
Lat:-37.68506
Lon:145.07221
Spd:0Km/h
Sat: 8
http://maps.google.com/maps?q=-37.68506,145.07221

8. How to enable the Low Battery Level report for IPT-123

1) Set the Low_Battery_Setting to “1” in the SMS configuration message.
2) Only Phone_Number1 will receive the “Low Batt” report if the Low Battery Level event occurs.
3) The “Low Batt” report sample is as follows:

Example:

Low Batt
Mums GPS
2010/04/16 13:11:22
Lat:-37.68506
Lon:145.07221
Spd:0Km/h
Sat: 8
http://maps.google.com/maps?q=-37.68506,145.07221

9. The Automatic Power Saving Function

IPT-123 will go to Power Saving mode when there is no movement detected for 5 minutes, in order to save power and extend operation time. The Automatic Power Saving function is enabled when IPT-123 configuration setting is completed. In the Power Saving mode, the last location information will be stored in the unit.

Any phone call or movement will wake IPT-123 up immediately and restore its normal operation.

10. The LED Indication Status

GPS LED:

1) Quick blinking (2 blinks every 1 second): No GPS Signal. –Take the device outdoors
2) Slow blinking (1 blink every 3 seconds): GPS OK
3) OFF: Power off or in Moving Detection mode or in Power Saving mode.

PWR LED:

- Quick blinking (2 blinks every 1 second): System is initializing or system error has occurred.
- Slow single blinking-1 (1 blink every 2 seconds): IPT-123 is charging.
- Slow single blinking-2 (1 blink every 3 seconds): System is ready.
- Very slow single blinking (1 blink every 6 seconds): In Power Saving mode.
- Slow double blinking (2 blinks every 5 seconds): Moving Detection mode is enabled.
- OFF: Power off.
- Solid ON: IPT-123 is fully charged.

GSM LED:

1) Quick blinking (2 blinks every 1 second): Searching for GSM Mobile Phone network.
2) Slow blinking (1 blink every 3 seconds): GSM is ready and connected to the network.
3) OFF: Power Off or in Moving Detection mode or in Power Saving mode.