



**3G QUAD BAND**  
**PERSONAL GPS TRACKER**

**Model PT880**

**USER GUIDE**



Included;

- 1 x GPS tracker
- 1 x 240v~5V wall charger and USB to micro USB lead
- Free to download mobile APP - **mongoosegps** ( Android and IOS)
- Free access to an international 24/7 website – **www.mongoosegps.com**

This product requires a 3G mobile SIM card (not included)

4G and/or data only SIM cards are not compatible



**IMPORTANT**

**Record your IMEI (id) number here  
(Shown on the tracker's label & carton)**

**Mongoose Australia PTY Limited**

[www.mongoose.com.au](http://www.mongoose.com.au)

**Mongoose (New Zealand) Limited**

[www.mongoose.co.nz](http://www.mongoose.co.nz)

## PT880 GPS TRACKER

Thank you for purchasing this Mongoose GPS tracker.

To ensure correct operation please read this manual and follow these simple steps;

1. Charge the tracker before using
2. Insert a 3G SIM card – see page 3
3. Pair your phone to the tracker – see page 4
4. Download the mobile APP – see page 4
5. Open the APP and logon – see page 5
6. You are now tracking !

### Charging the tracker

FOR SAFETY, DO NOT LEAVE BATTERY CHARGING UNATTENDED

Before use, please fully charge the battery – approximately 8 hours.

When fully charged, the battery should last approximately 5~7 days in sleep mode (On but not reporting).

In normal outdoor use, say 6 hours per day, with location reporting every few minutes, battery life is approximately 2~3 days. The tracker will 'sleep' when not moving.

Low battery alert: The tracker will send a text alert to your phone when battery power drops below 40%.

#### TURNING ON - *outdoors or very near a window*

- Press and hold the green button until LED's light, about 3 seconds.
- Within a few minutes the tracker will lock onto the mobile and GPS signals and start to flash.

**Red LED — Charger**

Unlit – Charged

Lit - Charging

**Green LED — Mobile reception**

Unlit - Mobile off or in sleep mode  
Flashing once every 3 sec's - Connected

Lit - Searching

**Blue LED – GPS reception**

Unlit - GPS off or in sleep mode  
Flashing once every 3 sec's - Connected

Lit - Searching

To help preserve battery life, the green and blue LED's will turn off after a while (sleep mode)

TURNING OFF – Press the green button for 3 seconds to turn off. LEDs turn off.



## SIM CARD INSTALLATION

**The trackers 3G mobile SIM card must be capable of voice, text and data.**

***Data only, or 4G, SIM cards are not compatible***

The SIM card must be activated by its provider (turned on) before it is inserted into the GPS tracker. Test the SIM card in a mobile phone.

Can it send/receive texts, phone calls and get onto the internet ?

Has it sufficient credit if PrePay type?

- With the screwdriver provided, remove the back cover.
- Insert the SIM card correctly, as shown. Press green power button to turn on.
- Fully replace the cover – ensure screws have their sealing washers.
- PT880 is water resistant to IP65 – do not purposely submerge



Lift up dip – place SIM card

Lower dip & slide forward to lock

### NOTES ON USE

For this product to operate correctly, it requires good reception of both mobile phone coverage and GPS satellite signals.

The tracker is designed to operate correctly outdoors.

GPS signals cannot usually be received indoors as buildings and other materials block reception.

When the tracker cannot receive either signal, it will constantly search for them. This will cause the battery to drain faster.

When not being used, always connect the charger to it is always at 100% ready for use.

Due the water resistance and the rubber membrane inside this product, the LED's may be difficult to see in brightly areas. Please shield to observe them.

SEND THESE 4 TEXT MESSAGES TO THE TRACKER  
FROM YOUR PHONE TO THE TRACKERS SIM CARD PHONE NUMBER.

1

**Pair your mobile phone number to the tracker**

**admin123456 xxxxxxxxxxx**



there is a space here

**123456** is default password    **xxxxxxxxxx** is your own mobile phone number

Tracker replies: **admin okay**

2

**Set the correct time**

**timezone123456 10**    (= 10 hours ahead of GMT for Sydney)



there is a space here

Australia range:-    10 no daylight saving    11 for daylight saving

New Zealand range:-    12 no daylight saving    13 for daylight saving

3

**Set how often To Report & Record Location**

**upload123456 30** (every 30 seconds when moving)



there is a space here

Tracker replies: **upload ok**

4

**Start sending location data**

**gprs123456**

Tracker replies: **gprs ok** (Blue LED flashes)

**Download & Logon to the Mobile APP**

The mobile APP can be downloaded to any number of phones and users.

Download the APP - Go to App Store for Apple - Go to Play Store for Android

Search for :- **MONGOOSEGPS**



SINGLE TRACKER USER
Log in by 'IMEI'
<b>IMEI</b> (ID printed on the tracker & carton)
<b>Password = 123456</b>

MULTIPLE TRACKER USER
Log in by 'username'
<b>Username</b> (your choice – call Mongoose to set-up)
<b>Password</b> (your choice – call Mongoose to set-up)

## LOGON TO THE MOBILE APP

Select either

**IMEI / ID** (Single tracker users)

or

**Username** (Multiple tracker users – see page 7)

Enter the '**IMEI**' number which is printed on tracker

**or**

Enter '**Username**' for multiple tracker users

Enter password '**123456**'

(Can be changed later)

Select '**remember me**'

(Saves typing again)



## DEVICE INFO' - IMPORTANT

Logon to the mobile APP.

Select '**device info**'.

1. Edit the device name to one of your choice
2. Enter the phone number of the trackers SIM card
3. Enter the paired mobile phone number – 'contact number'

### **Important;**

Item 5 is required.

The tracker needs to know who to send alerts to.

If no number is entered, no alerts can be sent as the tracker doesn't know who to send them to !

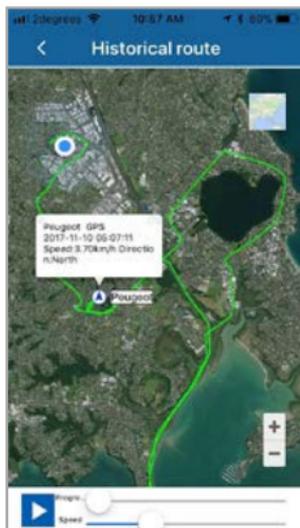


## START TRACKING

Tracking is simple as pressing a few buttons.

Open the APP and logon as detailed on page 5.

- The top bar shows the trackers status and battery state the last time it reported
- **'real time'** - shows the current or last reported location  
The blue dot is your mobile phone – the green triangle is the tracker
- **'historical'** to show where the tracker has been and can play the route taken
- **'Geofence'** sets a permitted radius of travel
- **'Commands'** allows you to control the tracker
- **'Alarms'** sets which alerts you wish to receive
- **'Messages'** a record of alerts sent
- **'Device info'** – details of the tracker – please complete or tracker may not operate correctly
- **'User info'** - details of the owner/driver



## MULTIPLE TRACKER USERS

This allows you to monitor and track all your trackers, on your mobile smart phone with just one logon 'username'.

The trackers can be any model(s) from our range. By selecting 'monitoring', you can see where all your vehicles are. Select 'list' and then choose which vehicle you wish to see more details about.

If you have a large fleet of vehicles, we can create sub-accounts so selected staff only see those vehicles you wish them to see.

If you have more than one tracker, contact Mongoose who will create your online account. You can choose your own username and password to logon.



## ONLINE WEBSITE

Go to: [www.mongoosegps.com](http://www.mongoosegps.com)

Logon to the website with the same details as the mobile APP.

The tracker sends all its location data to the website where it is stored for a continuing 6 month period.

The mobile APP reads the information from the website. Travel is more detailed and more easily seen. Reports can be saved and printed.



## THE MOBILE 'APN' NUMBER

If you have followed the previous pages, the tracker should now be reporting locations and be visible on the APP.

If there is a message at the top of the menu screen saying '**not enabled**', this means that the website has not yet received any data/information from the tracker.

One reason may be the mobile providers APN needs to be set.

The APN (Access Point Name) is the address of the SIM card provider's data channel.

Some SIM card suppliers already record their APN on the SIM cards, so the following instruction may not be necessary.

This will also be necessary if you use your current SIM card and phone number but change providers.

Here are some Australian examples. Contact your SIM card provider to verify the correct APN.

Telstra	<b>telstra.internet or telstra.wap</b>
Vodafone	<b>live.vodafone.com</b>
Optus	<b>connect or yesinternet or connectme</b>
Aldi	<b>mdata.net.au</b>

Here are the New Zealand examples;

Vodafone	<b>vodafone.net.nz</b>
2 Degrees	<b>internet</b>
Spark	<b>internet</b>

To set the APN, send this text message:- **apn123456 xxxxxxxxxxx**



there is a space here

xxxxxxxx = your trackers SIM card APN

Example: **apn123456 telstra.internet**

You should get the reply: **apn ok**

After sending the SMS, wait a few minutes then open the mobile APP and check to see if it is now reporting by selecting 'real time'

## FINDING LOCATION BY A TEXT MESSAGE

If you have difficulty logging on to the APP or website or the tracker is in sleep mode, you can find a trackers location by simply texting the tracker to request location:-

Send:- **123**

You will receive a text reply (fig.1).

Tap the reply to load a preview (fig.2)

Tap again to see location on phones map (fig.3).

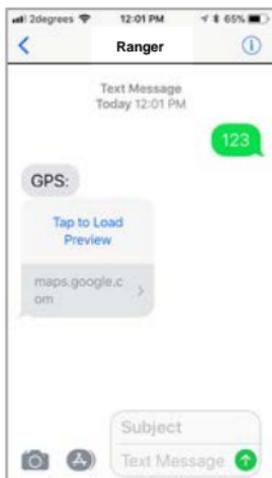


fig 1

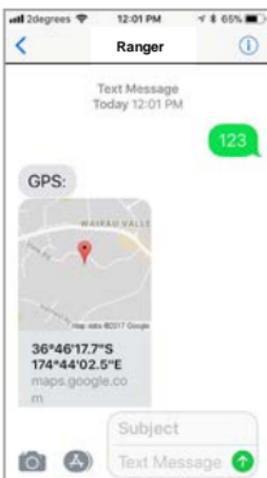


fig 2

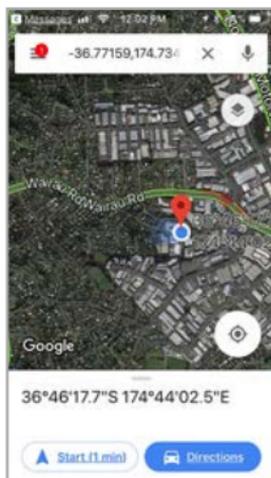
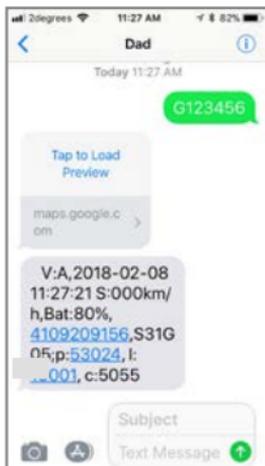


fig 3

If you require a status update as well as the link, send this text:-  
**G123456#**

- **v:A** = GPS signal ok. **v:V** = no GPS signal
- **2018-02-21 11:27:21**: the last reported date and time
- **Spd:000km/h**: the speed of tracker.
- **Bat:80%**: state of battery back-up charge
- **ID:4109209156**: Unique IMEI code of the tracker
- **S19G04 ; plmn46001** Mobile operator data
- **Lac:9516, cellid:23596** LBS data

Tap the message to see the location on the phones own maps



## GEO-FENCE

A geo-fence is an electronic area with a programmable boundary. The boundary has a minimum radius of 100m to a maximum of 5000m. 200m is the recommended minimum to avoid false alerts.

The area is easily set from the APP or website.

If the tracker moves outside this area it will send an alert to the paired mobile phone.

You will also receive an alert when it re-enters the area.

Multiple geo-fences can be set, for instance, around your home, your place of work, usual parking places, shopping centres, friend's houses, etc.

*Delete a geo-fence if you do not wish to receive alerts.*

11:07 AM

Add geofence

Name

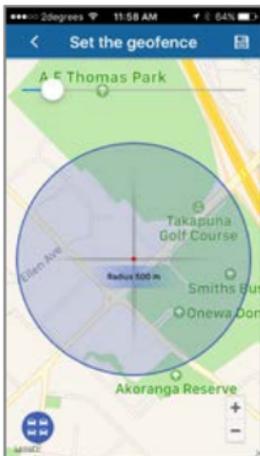
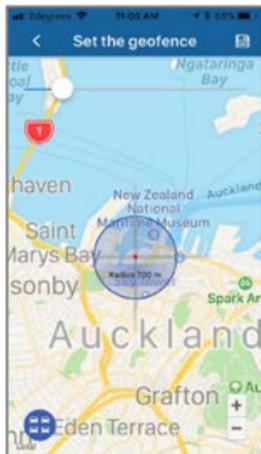
Longitude

Latitude

Radius

Enter a name for your geo-fence. Then tap 'longitude'

The map on the right opens. Move the map so the cross-hairs are over where you want the centre of your geo-fence to be.



Use the slider bar to increase or decrease the size of the geo-fenced area.

The text in the centre of the 'cross-hairs' shows the radius chosen (distance from centre to perimeter).

Min' 100m Max' 5000m

Press the save icon top right.

11:59 AM

Add geofence

Name

Longitude

Latitude

Radius

“Office” Officers Officer

q w e r t y u i o p

a s d f g h j k l

z x c v b n m

123 globe arrow space return

## **CONTROLLABLE FEATURES**

The tracker can be controlled by either text messages from your mobile phone - see chart on the next page, or some from the mobile APP's 'Commands'.

### **PASSWORD FOR COMMANDS – does not affect your logon password.**

The default password is 123456. This may be changed to any 6~8 digit numbers (not letters).

**Note: If changing the password, please make careful note of the new number.** There is no factory or user reset unless this new number is known.

### **SHOCK ALERT TYPES**

On page 13 is a command chart of text messages that can be sent to the tracker.

You can choose the type of alert you wish to receive when the tracker gets a shock;

- Phone call only
- Text alert only
- Receive both phone call and text
- None

### **SLEEP MODE**

When the tracker is stationary for a period, it will go to sleep to help preserve battery life. You can force it to sleep – force it to wake up – or even wake it up when it gets a shock. See command chart.

It will wake up automatically when it detects movement.

### **SPEED ALERT**

A speed limit can be set between 50~300kph.

Speed over the set limit will send an alert to your mobile phone.

### **MOVE ALERT**

This is similar to geo-fence but is not at a fixed location – the location is where your tracker is when you activate 'move'.

When stationary for more than 3 minutes, a 'move' command can be sent and sets a permitted radius of travel of your choice (100m~5000m) from the parked location.

200m is the recommended minimum to avoid false alerts which can be caused by poor satellite reception. (heavy weather, inside or close to buildings/garages can cause false alerts).

Movement outside this radius will send a text alert to your mobile phone.

This feature should be turned on or off as and when needed.

*If move alert is on, then geo-fence is automatically off.*

### **FREQUENCY OF LOCATION REPORTING – default 30 seconds**

Set how often the tracker reports when it's moving.

Typically, 30 seconds is used when moving in a vehicle and 60 seconds when walking as this gives a good map plot when history is viewed. Set your own times to suit your requirements.

## SOS 'Help Me'

Press and hold the red button for a minimum of 5 seconds – the tracker sends a text alert to SOS numbers

## SOS NUMBERS

The main 'paired' user must be added as SOS1.

A 2<sup>nd</sup> person can also get SOS text alerts – this is set as SOS2.

<b>SMS (TEXT) COMMANDS</b>		
Most of the tracker functions can be controlled from within the APP under 'command'. The tracker is also controlled by text messages as shown below;		
<b>Instruction</b>	<b>Text to send to tracker</b>	<b>Reply / Comment</b>
Cell phone pairing (master user #1)	<b>admin123456</b> <b>XXXXXXXXXX</b> <i>(xxxxxxxx = your mobile number)</i>	admin ok
Cancel pairing	<b>noadmin123456</b> <b>XXXXXXXXXX</b>	noadmin ok
SOS numbers (Max' 2) <u>1<sup>st</sup> number shld be main user</u> Cancel SOS Check SOS numbers	<b>SOS, XXXXXXXX</b> <b>SOS, XXXXXXXX</b> <b>SOS,,</b> <b>SOS</b>	SOS! S1:XXXXXXXX SOS! S2:XXXXXXXX
Set time zone	<b>timezone123456 XX</b> <i>(XX = hours ahead of GMT)</i>	time ok
Request location & status	<b>g123456#</b>	Google http link + status
Google map request	<b>123</b>	GPS: http link
GPRS mode – on GPRS mode - off	<b>gprs123456</b> <b>nogprs123456</b>	gprs ok / Send data nogprs ok / Stop data
Change password	<b>pwd123456,XXXXXX</b> <i>Must be 6 digit</i>	OK ! New password: 123456 Keep safe !
Reporting interval	<b>upload123456 30</b>	OK! GPRS Reptime: 30s
Speed alert Cancel speed	<b>spdX</b> <i>(where X = 50~300km/h)</i> <b>spd0</b>	OK! Over speed alarm: X km/h OK! Over speed alarm: off
Move alert Cancel move	<b>moveXXXX</b> <i>(where xxxx = 100~5000m)</i> <b>move0</b>	OK! Move alarm on OK! Move alarm off

Shock alert Cancel shock alert	<b>shock123456</b> <b>noshock123456</b>	shock ok noshock ok
Shock alert type & sensitivity 1st digit is alert type 0 = off, 1=SMS, 2 = call, 3 = both 2nd digit is 1 to 9 (high~low)	<b>vib0,3</b>	Off – no alerts
	<b>vib1,3</b>	SMS,3
	<b>vib2,5</b>	Call,5
	<b>vib3,5</b>	SMS & Call,5
Sleep mode (saves battery) Cancel sleep mode	<b>sleep123456</b> <b>nosleep123456</b>	sleep on ok sleep off ok
Wake up by shock Cancel	<b>sleep123456 shock 5</b> <b>nosleep123456</b>	sleep shock ok sleep off ok
Language	<b>LAG1</b> (English) <b>LAG2</b> (Chinese)	Switched to XXX
Check tracker	<b>status</b>	Shows current status
Check IP address, APN and IMEI number	<b>(S42,1234)</b>	Shows date/time/IMEI/IP/APN
Reset (only from master user)	<b>format</b>	Re-sets all settings to default
Re-boot	<b>RST</b>	Re-starts the tracker

#### NOTES:

The APP and website are owned & operated by a 3<sup>rd</sup> party.

Purchasers of Mongoose GPS trackers have free usage under current access terms.

Mongoose is not liable or responsible if access terms change or the facilities become unavailable.

Use of this product or features may infringe the rights or invade the privacy of others.

We are not responsible for the non-operation of this product should the mobile service providers of the GPS, GSM or GPRS signals become unavailable for whatever reason.

#### FAQ's

There can be many reasons why things work and sometimes when they don't !

Many common questions are answered on our website.

Go to the Mongoose main website, not the GPS tracking site, click on 'Products' – 'GPS tracking' – and then on the left side – 'FAQ's'.

### Specification

GSM module	3G Quad Band 850/900/1900/2100
Network	GSM/WCDMA/GPRS/LBS
GPS sensitivity	-159dB
GPS chipset	UBLOX-7 or SIMTK6260
GPS Position Accuracy	5m (outdoors)
Time Accuracy	Synchronized to GPS time & GMT
Cold start	35~80 sec
Hot / warm start	1 sec., /35 sec., average
Charger	240v~5v DC – USB/mini USB – Magnetic attachment
Charging voltage	5v DC
Operating temperature	-20°C to 55° C
Dimensions	50x50x20mm 40g
Humidity	5% to 95% Non-condensing
Dust / Water resistance	IP67
Battery	3.7v 1000mAh Li-ion - Standby 160 hrs max ' Normal use : eg 6 hours per day = 48~72 hours

### TERMINOLOGY

**GPRS** – This stands for Global Packet Radio System. It is the method of sending data over the mobile phone network.

**LBS** – This stands for Location Based Service. It is a method of locating a tracker to the closest mobile transmission tower. Normally used for search and rescue. There is no actual location accuracy, just the location within the radius of the mobile tower – narrows any possible search area.

Sometimes when replaying history, you may see straight lines from some distance away. This is caused by a lack of GPS signal and the tracker ‘pings’ off the nearest mobile tower. Uncheck ‘LBS’ on the date selection screen to prevent this occurring.

Cautions:

1. Keep the unit dry to extend product life.
2. Clean with dry cloth. Do not clean with chemicals or detergent, etc.
3. Do not paint the unit or apply metal foil stickers.
4. Do not disassemble, tamper or attempt any repair.
5. Tampering, abuse and misuse with the unit will void any warranties.

## PRODUCT WARRANTY CONDITIONS

Mongoose warrants for the period of 2 YEARS (24 months) that it will make good without charge, at Mongoose's discretion, by way of repair or replacement with the same or with a reasonable equivalent.

It is the product owner's responsibility to return the GPS tracker for service, repair or replacement at their own cost.

Any claim made to Mongoose under this warranty must comply with the following:

- (a) any defect has been notified to the supplying Mongoose dealer as soon as the defect was noticed.
- (b) a copy of your retail 'proof of purchase' stating where and when it was purchased and (if applicable) who carried out the installation.
- (c) the product was manufactured within 12 months prior to the commencement of this warranty period.
- (d) the product was purchased from Mongoose or one of its authorised dealers/resellers.
- (e) the product has not been disassembled or the manufacturers security seals have not been broken or tampered with.
- (f) that the Mongoose dealer has determined that the reported defect is a genuine product defect and not caused by;
  1. incorrect operation, incorrect use or any other consequential damage caused by other equipment not part of this product (eg: chargers).
  2. operation of the product after it is known to be defective
  3. tampered with, alteration or modification by any person
  4. the fitment and/or connection of additional parts or accessories not supplied by or approved of by Mongoose
  5. water damage, misuse, accident, deliberate act or abuse, misdirected electrical current, insufficient or excess voltage, ingress of any fluid or fire
  6. excessive heat

### **Items not covered by this warranty;**

- (1) mobile 'onsite' service
- (2) water, heat or physical damage
- (3) normal wear and tear
- (4) the mobile APP or website
- (5) the equipment that uses the mobile APP or website
- (6) any consequential loss incurred by the failure of this product or SIM card failure
- (7) product purchased from internet trading sites which is not supplied by an authorised dealer
- (6) Mobile SIM cards
- (7) The download and use of the mobile APP and website

**THIS WARRANTY IS NOT TRANSFERABLE**



### **Mongoose Australia**

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