

MY **PET TRACKER**

GPS Pet Finder

User Manual



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Preface

Congratulations on your purchase of My Pet Tracker! This manual will give you instructions on how to use the device correctly. We recommend that you read this entire manual before using the device for the best possible results.

Please be aware that the specification information for the device and all other information herein are subject to change without prior notice. If there are changes, they will be integrated into the latest release of this manual.

The manufacturer assumes no responsibility for any errors or omissions in this document.

Note: In this document, you will find SMS message instructions formatted with [brackets]. This means that you are to replace the information within the brackets with your own password or whatever information is called for. Do not include the brackets themselves in the SMS. When brackets are used to describe a message that the tracker will send to you, the content within them will be replaced with whatever data applies. Spacing in the SMS commands described should be replicated in the actual SMS messages sent to the device.

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1 Summary

This product can locate and monitor targets via GSM/GPRS and GPS satellites using SMS or GPRS.

2 Applications

My Pet Tracker is designed to allow you to monitor your pet or to locate your pet if it is lost.

3 Description of Hardware

3.1 Front Face



3.2 Rear Face



3.3 Side View



From Right to Left:

On/Off: Turns the device on or off.

SOS: Press this button for 3 seconds for an emergency

Indicator Light: Indicates signal strength.

MiniUSB Port: Used to charge battery and update software

3.4 Bottom Face



Note the microphone hole in the figure above.

3.5 Interior of Device



The Interior of My Pet Tracker. The SIM card goes into the slot labeled.



The above figure shows the interior of the device with correct battery installation.

4 Technical Specifications

Dim.	51mm x 46mm x 17mm
Weight	40g
Network	GSM/GPRS
Band	850/900/1800/1900Mhz
GPS chip	SIRF3 chip
GSM/GPRS module	Simcom900
GPS sensitivity	-159dBm
GPS accuracy	5m
Time To First Fix	Cold status 45s Warm status 35s Hot status 1s
Car charger	12—24V input 5V output
Battery	3.7V 850mAh Li-ion
Standby	48hours

Storage Temp.	-40°C to +85°C
Operation Temp.	-20°C to +55°C
Humidity	5%--95% non-condensing

5 Using the Device

5.1 Installing the SIM Card

It is recommended to buy a SIM card on a 365 day plan and the minimum credit available to purchase as it will not be used very often to use up your credit, you are able to top up your credit later when you need it.

For best reception coverage a Telstra SIM card is recommended especially in country areas or low reception areas.

Before installing the SIM card, be sure that there is no call transfer, call display on, voicemail on and make sure that the PIN code is off. SMS messages must be sent in text format, not PDU format.

Open the cover of the device.

Push down and slide the metal SIM card slot and lift up.



Slide the SIM card into the holder, and place the SIM card holder down and click it down into place.



5.2 Battery and Charger

The battery must be charged for 8 to 12 hours before first using the device. There is a battery and USB cable provided for this. Please use these with the product. The unit uses a built in Li-ion battery. This battery will function for approximately 48 hours per charge. The battery can be recharged in 3-5 hours following the initial charging period.

Caution!

- Li-ion batteries contain harmful chemicals and can burst. Do not expose the battery to fire or excessive heat. Do not puncture the battery. Avoid dropping or otherwise exposing the battery to shock.
- Remember to change the battery if it stops functioning normally.

5.3 Starting the Device

- Place the SIM card in the device according to the instructions above.
- The unit will turn on automatically once the battery and SIM card are inserted.
- For the first use, initialize the unit and restore its default settings: Instructions are given in 5.4.
- Wait 10-40 seconds. The device will start to acquire the GSM and GPS signals. When the signals have been established, the indicator will flash every 4 seconds. If no signals are received, the indicator will stay lit continuously.
- Once the GPS signals are established, you may start using the device. Follow the remaining steps to do so.

5.4 Initializing the Device

The default password will be used to initialize the device.

Send SMS to the unit: begin123456

The tracker will reply: begin ok!

5.5 Changing the Password

Send an SMS to the device with the following text. Do not include the brackets and type in the new 6 digits, not the word 'new password'. The tracker will reply: password ok!

password123456 [new password]

eg.password123456 987654

Make sure the new password is 6 digits, or else the tracker cannot recognize the password. Write this password down somewhere where you won't lose it. You'll have to upload the software to restore the default password if you lose your new password.

5.6 Authorization

You may authorize five mobile numbers with the device. To authorize a mobile number, call the device 10 times. This will cause the device to automatically authorize that number.

Setup: Send an SMS with the following to set up an authorized number, after setting the first authorized number using the method described above, do not include the brackets:

admin[password] [cell number you want authorized]

eg.admin123456 0411228200

The tracker will reply admin ok! in an SMS when the new number is authorized.

Remove a Number: Send an SMS with the following:

noadmin[password] [cell number you want removed]

eg. noadmin123456 0411228200

You have to add your country code ahead of your cell number if you're roaming. As example, to set 13322221111 as an authorized number, you would send the following SMS:

admin123456 008613322221111

5.7 Switch to Link/Text Format

The device will send you the coordinates of the location by text if you do not change to link format.

Switch to Link Format - To receive an SMS from your tracker with the location of your pet through a link to Google Maps.

Setup: Send SMS to your device with the following. Use your numerical password do not type the word password.

smslinkpassword

eg. smslink123456

Switch to Text Format – To receive an SMS with the coordinates from your tracker with your pet's location. You will then have to enter these coordinates into Google Maps yourself to get the location on the map shown.

Setup: Send SMS to your device with the following, using your own password, do not type the word password.

smstextpassword

eg. smstext123456

5.8 Real Time Polling

If you haven't set up an authorized number, the unit will send geo information to any mobile that dials it. If you have set up an authorized number, the device will not reply to any numbers except those authorized.

When you dial the unit with an authorized number, it will hang up and then report geo information to the authorized number.

5.9 Auto Tracking

You can set the unit up to report geo information automatically at 30-second intervals. It will send this information to the authorized number 5 times.

Setup:

Send SMS: **t030s005n[password]**

Eg. t030s005n123456

This will set up the 5 reports at 30-second intervals described above. The format is:

t: interval of reports.

s: number of seconds. You may also use m for minutes and h for hours.

These settings must be 3 digits long. The maximum value allowed is 255. **Intervals may not be shorter than 30 seconds.**

Turn Off:

Send an SMS: **notn[password]**

Eg. notn123456

This will turn autotracking off.

5.10 Audio Surveillance

Send an SMS: **monitor[password]**

Eg. monitor123456

The device will reply monitor ok. You can now dial the tracker and hear whatever is around it.

5.11 Switching Between Tracker and Monitor

The device defaults to the tracker mode. You can switch to monitor mode by sending the SMS message: **monitor[password]**. The unit will reply "monitor ok!"

You can switch back to tracker mode by sending the SMS: **tracker[password]**. The unit will reply tracker ok! to verify that it is in tracker mode.

5.12 Geo-Fence

Geo-Fence function sends you an alert if it goes beyond the limits of a predefined area.

When using Geo-Fence the tracker must be always outside and for the best use set with the auto track or overspeed alert. The signal also needs to be strong in that location.

Setup: Get the coordinates by calling your MPT device and take those coordinates or from Google Maps.

See the following table to setup:

When you first get your coordinates from tracker they are as follows:

lat: 50.633220N long:003.020886E speed: 000.0 25/03/13 09:41 bat:F signal:F imei:353451045992813

0	5	0	.	6	3	3	2	2	0	
0	0	3	.	0	2	0	8	8	6	
				10000M	1000M	100M	10M	1M	0.1M	metres

if we set 10000 metres geo-fence :

stockade123456 2.920886E,50.533220N;3.120886E,50.733220N

0	5	0	.	5(6-1)	3	3	2	2	0	
0	0	2	.	9(0-1)	2	0	8	8	6	
				10KM	1KM	100M	10M	1M	0.1M	metres

0	5	0	.	7(6+1)	3	3	2	2	0	
0	0	3	.	1(0+1)	2	0	8	8	6	
				10KM	1KM	100M	10M	1M	0.1M	metres

if we set 1KM geo-fence

stockade123456 3.010886E,50.623220N;3.030886E,50.643220N

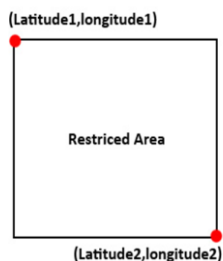
0	5	0	.	6	2(3-1)	3	2	2	0	
0	0	3	.	0	1(2-1)	0	8	8	6	
				10KM	1KM	100M	10M	1M	0.1M	metres

0	5	0	.	6	4(3+1)	3	2	2	0	
0	0	3	.	0	3(2-1)	0	8	8	6	
				10KM	1KM	100M	10M	1M	0.1M	metres

Please note : you just need to remember after the "." it's 10KM.

We suggest to set the geo-fence about 3KM .

The following picture will show you how it works; the restricted area is defined by the two coordinates you set.



Example below of what the tracker sends you:

lat: 50.633220N long:003.020886E speed: 000.0 25/04/13 09:41 bat:F signal:F
imei:353451045992813

The example below is how to convert for 1km, follow from the example in the previous table. Put the longitude first then latitude.

3.010886E,50.623220N;3.030886E,50.643220N

After the unit has been immobile for 3-10 minutes, send an SMS with the following:
stockade[password] longitudeE/W,latitudeN/S;longitudeE/W,latitudeN/S

Eg. stockade123456 3.010886E,50.623220N;3.030886E,50.643220N

This will set the restricted area's boundaries. If the tracker goes beyond those boundaries, it will send an SMS message reading: stockade! and the location. This message will be sent to authorized numbers.

Latitude and Longitude Settings: The first latitude and longitude coordinates correspond to the top left corner of the geo-fence. The second set of coordinates—after the ";" in your setup message—correspond to the bottom right corner.

Turn Off: Send an SMS: **nostockade[password]**

Eg. nostockade123456

This will turn off the alert function if the device moves outside of the predefined area.

5.13 Movement Alert

To set up movement alert, the device must be immobile for 3-10 minutes.

To activate the movement alert, send an SMS to the unit: **move123456**

To turn off the movement alert, send an SMS to the unit: **nomove123456**

This alert will be sent to authorized numbers if the tracker moves from its original position. It will send geo-information along with the alert.

5.14 Over speed Alert

The overspeed alert will send an SMS to authorized numbers when the speed of the device exceeds a predefined limit.

Set up this feature by sending an SMS to the device: **speed123456 080**. This will set the device to alert you if the speed exceeds 80 km/h. It will send one alarm.

To turn this feature off, send an SMS to the device: **nospeed123456**

Note: This function works best if the device is set with a minimum speed of 50 km/h. It may not function properly at lower speeds.

5.15 IMEI Checking

Send an SMS: **imei[password]**

This will return the IMEI number of the device.

5.16 SOS Button

To activate the SOS feature, press the SOS button for 3 seconds. It will send a message: help me ! [geo information] to the first authorized number only. It will send this message one time.

5.17 Low Battery Alert

When the device battery drops below 3.7V, it will send the following message: low battery [geo info].

5.18 Hidden Number Tracking

If a hidden authorized number calls the device, the device will reply with an SMS with the hidden number and geo information to all authorized number.

To set up the hidden number, send an SMS: **hide number**

To turn off the hidden number: **nohide number**

5.19 GPRS Function

Contact My Pet Tracker if you would like to use this function as help will be given to set this up along with a link to an online mapping system to see reports on where your tracker has been.

To use the GPRS function, you have to set up an IP, port and access point name (APN) using your cell phone or our PC software.

Some countries and regions will set APNs.

5.19.1 Setting Up an IP Address and Port

Send an SMS: **adminip[password] [address space port]**

The tracker will respond "adminip ok!" when the setup is successful.

Cancel the IP: Send an SMS: **noadminip[password]**.

5.19.2 Set APN

Send an SMS: **apn[password] [apn content]**.

The tracker will reply "APN ok"

Cancel: Setting up a new APN will cancel the old setting.

5.19.3 Set APN's Username

Send an SMS: **apnuser[password] [SIM card username]**.

The device will reply "apnuser ok"

Cancel: the username will be changed if a new username is set.

5.19.4 Set APN's Password

Setup: Send an SMS: **apnpasswd[password] [SIM card password]**.

The tracker will reply "apnpsassword ok"

Cancel: Setting a new APN password will automatically invalidate the old one.

5.19.5 GPRS Transport Protocols

The user can make a call or send an SMS to the tracker as soon as the IP, port and APN are set up. The tracker will hang up and report the geo information to the IP address specified.

The message will come in the following format:

**[Serial Number] [Authorized Number] [GPRMC] [GPS Signal Indicator]
[Command] [IMEI Number] [CRC16 Checksum]**

Note:

The GPRS supports both TCP and UDP protocols

The SIM card must have the GPRS function

The following SMS will set up GMT time in the SMS as the tracker time:

zone[password] [Your GMT time]

6 Cautions

1. To properly care for the device, please adhere to the following instructions
2. Keep the unit dry. Wipe off any liquids that might damage the circuitry.
3. Do not use or store the device in excessively dusty places.
4. Keep the unit out of areas with extreme temperatures.
5. Do not violently shake or vibrate the unit.
6. Clean the unit with a dry cloth; do not use detergents or chemicals.
7. Do not paint the unit.
8. Do not disassemble or refit the unit.
9. Please use the battery and cable provided by the manufacturer. Others may damage the unit.
10. Do not dismount the antenna or use other antennas. This may increase radiation and interfere with the transmissions.

7 Troubleshooting

Problem	Solution
Unit fails to start	Check the battery and make sure that it is fully charged and correctly installed
Unit fails to hang up	Please initialize the unit and reset up the authorized number. This is usually an issue with unauthorized numbers
Monitor failure	Check to see if the authorized number is setup and that the unit is in signal coverage area
Location report gives zeros	Place the unit outdoors, particularly when starting up. Use only in areas with signal coverage