GPS Personal

Tracker

User Manual

V6.2

PT01

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1. Product Overview

Thank you for your purchase of PT01 personal GPS Tracker. The PT01 GPS/GSM Tracker 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.

Function List:

- Real time tracking via SMS or GPRS
- Track on demand
- Show location directly on mobile phone
- Track by time interval
- Listen in (Voice Monitoring)
- GSM blind area memory
- Inbuilt motion sensor for power saving
- SOS panic button
- Movement alarm
- Geo-fencing control
- Low battery alarm
- Over speed alarm
- Multiple Geo-fence alarm
- Two way voice communication
- Remote Update firmware by SMS



PT01 GPS/GSM personal tracker can be used for people, asset, and pet. The devices built in antenna, integrative machine and easy to assemble.

For your safety:

In order to realize the full functions of this product, please read this manual carefully before starting to use the product.

1.	This product can only be maintained and repaired by qualified professional service personnel. If you		
	detach this product for maintenance or repair, your warranty will be invalidated.		
2.	When connecting the other devices, read carefully their instruction manuals, so as to carry out correct		
	installation; do not connect incompatible device.		
3.	Please use genuine original parts and qualified batteries and peripheral equipments, so as to avoid		
	damage to this product.		
4.	As this product is a high-tech product, please read carefully this manual before starting to use the		
	product, so as to avoid inappropriate operation.		
5.	Drivers should not operate this product while driving a vehicle, thereby, affecting safe driving.		
6.	This product can work properly only when GSM communication is in good condition.		
7.	Please reduce electromagnetic wave interference to the product; and use it properly.		
8.	GPS communication is liable to be affected by environmental shielding; may fail to carry out		
	positioning during certain circumstances. It will resume the positioning function as soon as it leaves the		
	shielding environment. This is normal. Please do not worry when encountering such problem.		
9.	Each signal sent out from the system will be confirmed for successful transmission in the base station of		
	the mobile operator. However, if system stoppage occurs or if the mobile telephone is preset to a switch		
	off state by the customer, it cannot ensure successful transmission.		



For safety reason, do not tell the other people your PT01 mobile number, without taking precautions.
 Otherwise, your privacy may be compromised along with other safety problem.

2. Specification

GSM module	MTK6223D, GSM 900/1800/850/1900 dual-band or quad-band	
	Support the TCP protocol	
GPS Chipset	JRC chipset	
GPS sensitivity	-164dB	
C/A Code	1.023MHz chip rate	
Channels	210 channel all-in-view tracking	
GPS frequency	L1,1575.42MHz	
GPS Position Accuracy	10 meters, 2D RMS	
Velocity Accuracy	0.1m/s	
Time Accuracy	1 us synchronized to GPS time	
Datum	WGS-84	
Hot Start	1sec.,average	
Warm Start	38sec.,average	
Cold Start	42sec.,average	
Altitude Limit	18,000 meters (60,000feet) max.	
Velocity Limit	515 meters/second (1000knots) max.	
Acceleration Limit	Less than 4g	
Operating temperature	-20°C-70°C	
Humidity	5%To 95% Non-condensing	
Dimension	95mm×46mm×18mm	
Voltage	1280 mAh rechargeable battery(3.7V)	
Charger	DC5V	
LED	Green/ Blue/ Red LED showing GPS、GSM and power status	

3. Installation

3.1. Product Parts List



3.2. Precaution before Installation

1	Check if all the parts are included.
2	Prepare a SIM card for GSM communication. Use some other mobile phone to confirm that the PIN
	code has not been set and that it can dial out and receive telephone calls and SMS without problem.
3	Before install the SIM card; make sure to cut off power from the GPS Tracker unit. The correct
	installation method is to push the tray completely into the GPS Tracker unit, until you feel it is hooked
	by something.
4	Put the GPS Tracker outdoors
5	We don't provide the SIM card

3.3. INSTALLATION

3.3.1 Step 1: Install SIM Card



2	Make sure to turn off the power before install the SIM card.
3	Make sure to deactivate the PIN code, so that the SIM card can operate without PIN protection.
4	Before install the SIM card to the GPS Tracker, please use a mobile phone to make sure the SIM card
	can make & receive phone calls without problem.
5	Before install the SIM card to the GPS Tracker, please use a mobile phone to empty the SMS storage
	of the SIM card.

3.3.2 Functional Parts:



3.3.3 Button Function Description:

	Button	Meaning
	Power Switch	Press and hold 3-5seconds to turn on / turn off
	Tower Switch	Short press to hang up incoming calls
Y		Short press to answer the incoming call;
		press the key about 3 seconds, the PT01 will vibrate and send the
		location information SMS to the 3 authorized telephone
	SOS (button)	numbers(SMS Mode) Or upload the position to server via
		GPRS(GPRS Mode); at the same time, call the first authorized
		telephone number. If failed, call the second and third authorized
		phone number.

Please refer to user manual 4.SMS Command List "Authorization"
for setting authorized phone number.

3.3.4 Description of PT01 LED:

LED State Description

Green LED--- indicate the GPS signal state

State	Means
No Lighting	Working, but no location or GPS module has turn off.
Flashing	Working and has located

Blue LED--- indicate the GSM signal state

State	Means
flash slow(1 second on and 1 second off)	no SIM card or not GSM net
flashlight once interval 8s	GSM receiver work well and standby

Red LED---indicate charge sate

State	Means
constant Lighting	charging
Weak Lighting	charging was completed

Note: If the battery is too low, the red led may not be on at the beginning.

3.3.5 Charge battery:

The initial use of PT01, please turn off PT01 and charge PT01 battery for 12 hours.



The Red LED is constantly on: charging.

The Red LED weak Lighting: charge is finished

Attn: The DC jack can be used for charging only, please do not connect the DC jack with other equipments.

4. SMS Command List

Note: **** is GPS tracker user password and the default password is 0000. The tracker will only accept commands from a user with the correct password. Commands with wrong password will be ignored.

Description	SMS Command	Example
Authorization	*Authorized phone number* user	*008613900000000*0000*1**(To set the first authorized
	password (default 0000) *location	

	number (1 or 2 or 3) **	phone number)	
		*008613800000000*0000*2**(To set the second	
		authorized phone number)	
		*008613500000000*0000*3**(To set the third authorized	
		phone number)	
Remarks: To authorize phone numbers for n	receiving location reports or SMS alarms or	r phone calls.	
(1) Receiving SOS alert message: After pre	ss SOS button, PT01 will send sms alert ar	nd location coordinates to the first authorize phone number.	
(2) Receiving Geo fence alert message: wh	en the PT01 is in or out of the preset square	re, PT01 will send send sms alert and location coordinates to	
the first authorize phone number.			
Call Limit	170****	1700000	
	171****	1710000	
Remarks: (1)170 **** is the command to o	pen Call limit function, after sending this c	command successfully, the gps tracker only answer the phone	
call from the 3 phone number on "Authori	zation" .PT01 will hang up the other pho	one calls directly.	
(2)171**** is the command to cl	ose Call limit function, after sending this c	ommand successfully, the gps tracker will answer any phone	
call.			
(3)Default is Call Limit function	Open		
Example: 1700000			
1710000			
Set Time Zone (Default:E0)	896****DNN	8960000E08	
Remarks: This command is used for correct time into your local time			
D=E/W, E means East Longitude, ahead of	GTM time, W means West Longitude, beh	ind GMT time.	
NN is your time zone.			
For example, China is in East Longtitude, C	GTM+8 time zone. Then we send 89600001	E08	
Change GPS Tracker user Password	777+New Password+Old Password	77712340000	
Remarks: The password will be changed from	om 0000 to 1234		
Enable SMS mode (Default mode)	700****	7000000	
Remarks: This command is used for turn or	n sms mode		
Presetting by SMS for GPRS tracking (En	sure that your SIM card supports GPRS co.	nnection prior to setting)	
Enable GPRS mode	710****	7100000	
The command to switch to GPRS mode.			
Set APN (Default:cmnet)	Format 1:#803#***#APN##	#803#0000#CMNET##	
	Format 2:#803#****#APN#APN user	#803#0000# APN# APN user name#APN password ##	
	name#APN password##		
Remarks: (1)If no APN username and password are required, just input APN only.			
(2)Use format 2 if your APN requires APN user name and APN password.			
•	•	ntact your SIM card provider for APN name.	
Set IP and Port (Default:0.0.0.0,0000)	#804#***#IP#port##	#804#0000#58.64.205.22#8886##	
Remarks: IP is your server's IP and Port.			
Upload in preset interval (Default:0,0)	#805#***#T#N##	#805#0000#180#1##	
Remarks:(1) T= Record location by interva	ll, from 10 to 65535 in the unit of second.	1	
()			

(2)N= Upload Record Location Quantity Per Time, from 1-50.

(3)Upload location data interval=T*N

In this example: PT01 will send location every 180 seconds (3 minute), 1 location reports per time when person moving.

N=0, close upload data by preset interval, the gps tracker will reply "GPRS Timer Stop"

Upload Present Location Immediately

#806#**** ##

#806#0000##

Remarks:(1) The GPS Tracker will send confirmative sms "Start GPRS Upload" to the first phone number on Authorization

(2) The GPS Tracker will upload present location to server immediately, the status on the data will show "sms"

Set History Data Record Interval

#807#***#X##

#807#0000#30##

Note: This command is applicable in tracking by GPRS mode only.

Remarks:(1) X is the location sample interval to record history data

X=0-999,in the unit of seconds

- (2) X=0, close history data uploading function
- (3) PT01 can store 3000 waypoints, each waypoint is 100B(Byte). If more than 3000 waypoints, the new waypoint will override the old waypoint directly.
- (4) If PT01 is in power saving mode, and remain still. The history data uploading function will close automatically, until PT01 is activated by incoming sms/phone call.

In this example: The gps tracker will record waypoints every 30 seconds

Upload History Data (Default:0)

#808#***#X##

#808#0000#24##

Note: This command is applicable in tracking by GPRS mode only.

Remarks:(1) Upload all stored data: #808#***##

(2) Upload 24hours' data: #808#0000#24##

In this example: The gps tracker will upload the stored data to sever

Change GPRS Service User name on	#801#****#New GPRS Service User	#801#0000#newuser##
CDDS mode (Defoult-V500 0000)	Name##	

Remarks: The GPRS Service User name will be changed to newuser

Change GPRS Service Password on	#802#***#New GPRS	Service	#802#0000#1234#0000##
GPRS mode	Password#Old GPRS	Service	
	Password##		

Remarks: The password will be changed from 0000 to 1234

Track on Demand-Reply with	666****	6660000
longitude, latitude, speed and date		

Remarks: Get the current location of the tracker, send this SMS or make a telephone call directly to the tracker and it will report its longitude and latitude by SMS with format as follows:

Data format:

Lat: Latitude Direction (+/-) Latitude Value (Accuracy for 5 after the decimal point)

Long: Longitude Direction (+/-) Longitude Value (Accuracy for 5 after the decimal point)

Speed: Speed KM/H (Accuracy for 2 after the decimal point)

Direction: Direction (Accuracy for 2 after the decimal point)

Date: Date YYYY-MM-DD

Time: Time HH: MM: SS (GMT)

BS: Base Station information

Fix: Location state (A/V)

ID: IMEI		
STATE: Message state		
Effective data format:		
Lat: +22.50500		
Long: +114.01000		
Speed: 0.00KM/H		
Direction: 315.00		
Date: 2008-04-25		
Time: 16:39:45		
BS: 25ee0dff		
Fix: A		
ID: 353686009002030		
STATE: SMS		
Invalid data format:		
Lat: +22.50500)
Long: +114.01000		
Speed: 0.00KM/H		
Direction: 315.00		
Date: 2008-04-25		
Time: 16:39:45		
BS: 25ee0dff		
Fix: V		
ID: 353686009002030		
STATE: SMS		
Note: If in the cold start and GPS no positio	n, it will return to the void of information:	
eg: ERROR GPS GPRMC FRAME DATA	A	
BS: 27971054"		
ID: 353686009002030		
STATE: SMS		
Track on Demand	669****	6690000
-Google Link		

Remarks: Send this command to the tracker and then you receive an SMS with an http link. Click on the link then the location can be shown directly on Google Map on your mobile phone. For example:

 $\underline{http://maps.google.com/maps?f=q\&hl=en\&q=22.622448,114.034057\&ie=UTF8\&z=16\&iwloc=addr\&om=1Eaddr&left. A constraint of the action of the constraint of the$

Google Earth and Google Map

Download Google Earth from http://earth.google.com/.

Start Google Earth (For more information about Google Earth please refer to http://earth.google.com/) or go to http://maps.google.com in your Internet Explorer.

Input the latitude and longitude that you receive from the tracker by SMS and click the search button. Google Earth or Google Maps will display the location for you.

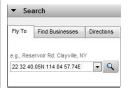
Example:

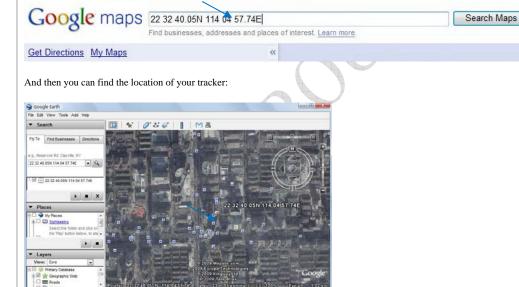
When you receive: Latitude = $22\ 32\ 40.05N$ Longitude = $114\ 04\ 57.74E$

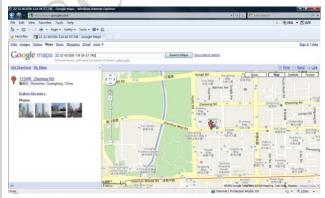
Web Images Videos Maps News Shopping Gmail more ▼

Type as the following picture shows:

(Note: you should input the latitude and longitude as: 22 32 40.05N 114 04 57.74E)







Or you can use local map software on PDA or car navigation device to input the coordinates.

Track by Interval on SMS mode (Default:0) 4XX**** 4300000

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Remarks: To set interval for automatic timed report.

XX is the interval in minute. If XX=00 to turn off tracking by time.

In this example, the tracker will send location data back to your mobile phone every 30 minutes.

Turn on/off Alarm Call (Default:ON)	150****	1500000
	151****	1510000

Remarks: (1) 150**** is the command to turn off alarm alert call. After sending this command, the gps tracker will not call to the preset phone number when sos button pressed/in or out of preset geo-fence area/over-speed alert

(2) 151**** is the command to turn on alarm alert call. After sending this command, the gps tracker will call to the preset phone number when sos button pressed/in or out of preset geo-fence area/over-speed alert

Over speed alarm (Default:0) #122#***#X## #122#0000#250##

Remarks: X is the speed KM/H, X=0-999

X=0, close over speed alert function

After sending this command, if speed more than 250, gps tracker will send present location and sms alert: Over speed

Low Power alarm function

Remarks: when PT01 working voltage less than preset default voltage values, the gps tracker will send sms alert to authorize phone number. Total sending 3 times, 1 minute intervals

Turn On GPS Module Power Down 100**** 1000000
mode (AUTO mode)

Remark: to set power down mode when the tracker is inactive or stationary for 5 minutes.

- 1. PT01 will reply "VIBRATION SENSOR ON OK". The PT01 will in power saving mode on both sms and gprs mode.
- 2. In Power Down mode, GPS module stops working until it is activated by message, incoming calls, and movement.
- 3. You can send 222**** (**** is the 0000 default password) to wake up the PT01.

Set GPS Module Special Power Saving
Mode

199****SxxxLyyHzz

1990000S030L01H03

Remark: S030 means the GPS module of PT01 will close for 30minutes first

L01 means the gps module of PT01 will open for 1 minute in this stage, if the PT01 can get location in 1 minute, then it will not go into the next stage; if the PT01 can not get location in 1 minute, then it will go into next stage.

H03 means the gps module of PT01 will open for 3 minutes total, and then the gps module of PT01 will open for 2 seconds in this stage.(H03 Minus L01=2 minutes)

Endless Loop

- (1) xxx=1-255, yy=1-98,zz=3-99
- (2) zz can not be less than yy
- (3) The setting will not change if you turn on/off/restart the PT01, or reset the PT01
- (4) If xxx=0, then the PT01 will close "gps module special power saving mode"

Open GPS Module Special Power 188****
Saving Mode

- Remark:(1) After set the parameters of GPS Special Power Saving Mode, then you can send 188**** to open GPS Special Power Saving Mode
- (2) During GPS Module closed period, the uploading locations by preset interval in GPRS mode will stop; if GPS Tracker can get location when the GPS module open, the uploading location by preset interval in gprs will work
- (3) During GPS Module closed period, any sms commands will activate the gps module of PT01, PT01 will go back into the GPS Power Saving Mode again after the next circle of GPS Special Power Saving Mode
 - (4) If you need real time tracking, please do not use GPS Special Power Saving Mode

GPS Tracker will reply "GPS AUTO MODE ON OK"

Listen in (Voice Monitoring) 00X**** 0010000

Remark: Authorizes a phone number to make a silence call to the tracker, the track answers the call automatically and allows the caller to listen to

what happens around the tracker. There is no voice indication that the call is in progress

Note: (1)X=1, voice monitoring status. After send successfully, the gps tracker will reply: SET PROFILE OK, CURRENT PROFILE: SILENT. PT01 will turn off it's receiver.

The authorized 3 phone numbers can make a silence call to PT01.

(2) X=0,normal status. After send successfully, the gps tracker will reply: SET PROFILE OK, CURRENT PROFILE: NORMAL. The PT01's receiver is on, the authorized 3 phone numbers can call in and call out.

Example:0010000

Set Single Geo-fence Alarm: The first	003****E/Wdddmm.mmmmN/Sdd.m	0030000E11406.0024N2233.4230R0.5	
method	mmmRzzz.z		

When the tracker moves out of a preset square scope, it will send an SMS alarm to the authorized phone number for SOS.

Remarks:(1) E represents East Longitude, W represents West Longitude; N Represents North Latitude, S Represents South Latitude.

Edddmm.mmmm is the Longitude in the unit of degree and minute (ddd is the degree, mm.mmmm is the minute) (Accuracy for 4 after the decimal point, the following zero cannot omit). Ndddmm.mmmm is the Latitude in the unit of degree and minute (ddd is the degree, mm.mmmm is the minute) (Accuracy for 4 after the decimal point, the following zero cannot omit).

- (2) zzz.z is the radius from 0.1KM to 999.9KM, If the decimal point of Rzzz.z is 0, you cannot omit the 0. For example, radius is 1KM, you need to send 0050000R1.0
- (3) After set successfully, the PT01 will reply: SET GEO-FENCE OK

Example: 0030000E11406.0024N2233.4230R0.5



Set Single Geo-fence Alarm: The	005****Rzzz.z	0050000R0.1
second method		

Remarks:(1) zzz.z is the radius from 0.1KM to 999.9KM

(2) After receiving this command, gps tracker will read the present location immediately,

If the Location is valid data:Fix:A(please refer to **4.2 Tracking** for details), the gps tracker will use the present location as center, and value of Rzzzz as radius; If gps tracker is in or out of this area, you will receive sms alert.

If the location is invalid during 50 seconds, the gps tracker will reply:ERROR GPS DATA, TRY AGAIN LATER

(3) If the decimal point of Rzzz.z is 0, you cannot omit the 0. For example, radius is 1KM, you need to send 0050000R1.0

Turn on/off Single geo-fence alarm	211****	2110000
(Default:OFF)	210****	2100000

Remarks: The default geo fence is Turn on

(1) 211****: Turn on single geo-fence alarm

When the GPS tracker is in/out of the preset square, PT01 will send sms alert and location coordinates to the first authorize phone number, Meanwhile, PT01 will call the first authorized phone number first; if failed, then call the second authorized phone number; if failed once again, then call the third authorized phone number.

(2) 210****: Turn off single geo-fence alarm

Set multiple geo-fence alarm	006****GX,Y,E/W+Longitude			0060000G1,IO,E114.10004N22.55705,E115.10006N23.5
	Left+N/S+Latitude	Upper,	E/W	5706

Longitude Right+N/S Latitude lower

Remarks:(1) X=1-16

X is the geo-fence number, you can set 16pcs geo-fence total.

(2) Y=I/O/IO, default is IO

I means geo-fence in alarm; O means geo-fence out alarm; IO means geo-fence in and geo-fence out alarm

- (3) E represents East Longitude, W represents West Longitude; N Represents North Latitude, S Represents South Latitude
- (4)The command is always valid if you restart, turn on/off the gps tracker
- (5) The command is not valid if you reset to factory
- (6) The GPS tracker will send sms to the first authorized phone number if it's in or out of the preset area

Turn on multiple geo-fence alarm	311****	3110000	
	311****GX	3110000G5	

Remarks:(1) 311****: the command to open all geo-fence alarm

(2) 311****GX, the command to open one of the geo-fence alarm

X=1-16

Turn off multiple geo-fence alarm	310****	3100000
	3100000GX	3100000G5

Remarks:(1) 310****: the command to close all geo-fence alarm

(2) 310****GX, the command to close one of the geo-fence alarm

X=1-16

Turn on/off GPS Module (Default:ON)	222****	2220000
	333****	3330000

Remarks: (1) 222****: Turn on GPS module

(2) 333****: Turn off GPS module

Request the current all number and	*GTAN#	*GTAN#
password		

Remarks: Received this command, GPS Tracker will via SMS return the current all number and password.

SMS format:U1:Number1

U2:Number2

U3:Number3

UP:0000 (GPS Tracker user Password)

SC:,0000 (SMS platform Number, Password)

Remarks: This is the command to read all the present parameters including sms/gprs mode,interval,ip,port.etc.

Information explain:

IMEI: (IMEI Number)

MOD: SMS P2P(SMS mode) /SMS SC(SMS platform mode)/GPRS(GPRS mode)

GPS: ON/OFF(GPS module Turn on/off)/AUTO(GPS module working on Power down mode)

HFR: ON/OFF(Hands-free)

MTPRF: SILENT(Voice Monitoring Turn on)/NORMAL(Voice Monitoring Turn off)

BS: 1(The number of returned base station)

 $GEO\text{-}FENCE=ON/OFF - 000.00000, Longitude \ directions. Longitude \ value) - 00.00000 (Latitude \ direction. Latitude \ value) - 00.000000 (Latitude \ direction. Latitude \ value) - 00.0000000 (Latitude \ direction. Latitude \ value) - 00.000000 (Latitude \ direction. Latitude \ value) - 00.0000000 (Latitude \ direction. Latitude \ value) - 00.000000 (Latitude \ direction. Latitude \ direction. Latitude \ value) - 00.000000 (Latitude \ direction. Latitude \ direction. L$

R0.0(radius)

GEO-FENCE STATE:RS(geo-fence in alarm)/OS(geo-fence out alarm)

DEFENCE: ON/OFF(Main Power Cut Alarm Turn on/off)

VOICE: ON/OFF(Alarm SMS Turn on/off)

POWER: OFF(Cut car engine)/ ON(Recover car engine)

RATE: 0(Overspeed alarm KM/H)

ST: 0(Track by Preset Interval on SMS mode)

TN: (Receiving SMS Track by Preset Interval on SMS mode mobile phone Number)

STLOW: 0,OFF

TNLOW:

DISTANCE: 0,

INVALID UPLOAD: ON/OFF(Invalid Location data Upload turn on/off)

UNLIMITED: OFF/ON (OFF: gps tracker only responds to authorized phone number; ON: gps tracker responds to any phone number)

MILEAGE: 0,OFF (Mileage,Mileage statistics Turn on/off)

MOVE: 0.0(Move alarm radius),ON/OFF(Move alarm turn on/off)

ACC PROMPT: ON/OFF(ACC Switch status prompt turn on/off)

APN: cmnet,,(Access points name)

GU: V500,0000(GPRS user name and GPRS services password)

SRV: 0.0.0.0,0000(Server's IP address and port)

SAMP: 0,0(Record location by interval, Upload Record Location Quantity Per Time, when moving)

SAMP2: 0,0(Record location by interval, Upload Record Location Quantity Per Time, when stop)

HISTORY: 0(GPRS Upload Interval of History Record)

TIME ZONE: E0(Time Zone)

U1: Number1 U2: Number2 U3: Number3

UP: 0000 (GPS Tracker user Password)

SC: ,0000 (SMS platform Number,Password)

Reset to default settings:	*RESET#***##	*RESET#0000##

Remarks: Return to the default settings after restart GPS tracker.

Restart GPS Tracker *RESTART#***## *RESTART#0000##

Remarks: Restart GPS Tracker

List of default state:

Parameter	Default State
Working Mode	SMS P2P
Pre-set phone numbers	Null
GPS Tracker user Password	0000
GPS	ON
ACC Switch status Prompt	ON

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Send regularly location information	OFF	
The number of returned base station	1	
Press SOS button to call out	ON	
Geo-fence	OFF	
GPRS services password	0000	
GPRS services user name	V500	
APN	cmnet	
Server's IP address and port	0.0.0.0 0000	
GPRS data upload	OFF	
Moving alarm	OFF	
Speed alarm	OFF	,
Main Power Cut Alarm	OFF	

5. Track by 900D web based tracking software

5.1. Enable GPRS

Send the SMS to the tracker as following format:

	Command	Remark
Command format:	710****	**** is the default password. Default:0000
For example:	7100000	710 : Command code
		0000: password, default 0000

5.2. Set APN

Send the SMS to the tracker as following format

	Command	Remark
Command format:	Format 1:#803#****#APN##	**** is the default password. Default:0000
		Use format 2 if your APN requires APN user name and
	Format 2:#803#****#APN# APN user name#APN	APN password.
	password ##	
For example:	#803#0000#CMNET##	803: Command code
		0000: password, default 0000
		CMNET: APN, is gateway to connect internet, Each
		country is different, please contact your SIM card provider
		for APN name.

5.3.Set IP and Port

Send the SMS to the tracker as following format:

Command	Remark

PT01 USER MANUAL

Command format:	#804#***#IP#port##	**** is the default password. Default:0000
For example:	#804#0000#58.64.205.22#8886##	804: Command code
		0000: password, default 0000
		58.64.205.22 800D Platform server IP
		8886 800D Platform server software Port

5.4.Upload data in preset time

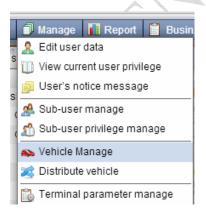
Send the SMS to the tracker as following format:

	Command	Remark
Command format: #805#***#T#N##		**** is the default password. Default:0000
		(1) T= Record location by interval, from 10 to 65535 in
		the unit of second.
		(2)N= Upload Record Location Quantity Per Time, from
		1-50.
		(3)Upload location data interval=T*N
		N=0, close upload data by preset interval, the gps tracker
		will reply "GPRS Timer Stop"
For example:	#805#0000#180#1##	805: Command code
		0000: password, default 0000
		In this example: PT01 will send location every 180
		seconds (3 minute), 1 location reports per time

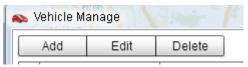
5.6. Please go to http://www1.igpstracking.net/

Enter the user name and password we provided.

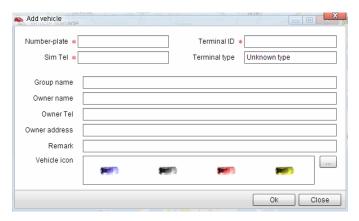
After log in, please go to "Manager- Vehicle Manager"



You will see the below window



Please click "Add" button, you will see the below window:



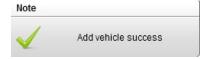
Number Plate: Define by yourself; you can enter A-Z number or Numeric

SIM card: the SIM card phone number you put in PT01

Terminal ID: On the packing box of PT01 you can find the a white label writes "Terminal ID". Terminal ID is cfce99c6fca898ef here.



Click "Submit", and then you add the car successfully on the software 900d



Wait few seconds, and you will see the GPS Tracker online icon on software



Put a check mark on the device, and right click, you will see the menu as below picture. Now you can track online.



Attention: For 900D GPS Software, "Monitor" and "Number Plate" must be checked till the font becomes blue, then the GPS tracker will update location automatically on map.Like below picture:







6.Troubleshooting

Problem: Unit will not turn on		
Possible Cause:	Resolution:	
Wiring was not connected properly	Check and make sure wiring connection is in order.	
Battery needs charging	Recharge battery	
Problem: Unit will not respond to SMS		
Possible Cause:	Resolution:	
GSM antenna was not installed properly	Make PT01 connected to GSM network.	
GSM Network is slow	Some GSM networks slow down during peak time or when they have equipment problems.	
Unit is sleeping	Cancel sleeping mode	
Wrong password in your SMS or wrong SMS format	Write correct password or SMS format	
The SIM in PT01 has run out of credit	Replace or top up the SIM card	
No SIM card	Insert a working SIM card. Check in phone that the SIM can send SMS message.	
SIM card has expired	Check in phone that the SIM can send SMS message. Replace SIM card if needed.	
SIM has PIN code set	Remove PIN code by inserting SIM in you phone and deleting the code.	
SIM is warped or damaged	Inspect SIM, clean the contacts. If re-inserting does not help try another to see if it will work.	
Roaming not enabled	If you are in a different country your SIM account must have roaming enabled.	
Error connecting GSM antenna	Make sure the GSM antenna is connected to the GSM interface.	
Problem: SMS received starts with 'Last'		
Possible Cause:	Resolution:	
Unit does not have clear view of the sky	Move the antenna of the unit to a location where the sky is visible.	
PT01 is in an inner place	Wait for the target to come out	
Battery is low	Recharge the unit and the GPS will start working.	
Error connecting GPS antenna	Make sure the GPS antenna is connected to the GPS interface.	
Problem: Unit Fails to Connect to Server via GPRS		
Possible Cause:	Resolution:	
SIM card in PT01 does not support GPRS function	Enable SIM card GPRS function.	
GPRS function of PT01 is turned off	Turn on GPRS function of PT01.	
Incorrect IP address or PORT	Get the right IP address and PORT and reset to PT01	
GSM signal is weak	Move the unit to a location with good GSM reception.	

Contacts

If you encounter any problems when using our products, and cannot solve them by yourself, please contact our technical support team by writing an E-Mail to us. We will be pleased to help you.