



APT-15
GPS/GSM VEHICLE & PERSONAL TRACKER
USER MANUAL

Please read this user guide carefully before installation and operation!

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INTRODUCTION, USES AND LIMITATIONS

We all have people we want to protect, they could be our children, elderly relatives, lone workers or we will have treasured possessions such as vehicles and shipments we have to secure. This is an ultra compact, affordable and easy to use solution. The Alaska Go Everywhere APT-15 is the latest real-time personal tracking and security device using cutting edge GPS/GSM technology and mapping from Google Earth.

Tracks locations without subscription costs or contract, using a standard UK network SIM card of your choice. The APT-15 uses GPS (global positioning system) technology to calculate its location/speed, and uses the mobile phone SMS network to send that location to you. The co-ordinates can then be input via Google Earth on a PC, PDA, internet phone or a SATNAV to show the real time location. A brand new feature will send a map link to your smartphone enabling you to go directly to a free mapping page on the internet! The built in geo fencing facility allows the user to identify an imaginary boundary (0-2000m) around a specific area. Features text alerts to warn of: exceeded speed limit, outside geo fence and low power. In addition, SOS function with two way emergency call buttons and call/receive is possible via the built in speaker and microphone. Uses a rechargeable and replaceable Nokia standard BM-6P Li battery. A fixed wire optional accessory (AH-W14P) is available for fixed in car applications.

The APT-15 is a fantastic personal safety solution for lone worker protection, those suffering from dementia and Alzheimer's, extreme sports enthusiasts, hikers, mountain climbers and children. In fact anyone who cares about their valued possessions or loved ones!

Important

This product is **not** to be used for covert surveillance. In all cases, consent should be obtained from any person that is given this tracking device to carry with them. For example, the unit should only be used by those suffering from early-stage Alzheimer's when they are still well enough to give consent.

Customer support: support@alaskauk.com

UK website: www.alaskauk.com

Head Office website: www.alaska.dk

Demo Video: www.youtube.com/alaskauk

Our free latitude and longitude located website: <http://www.followmegps.com>

Our free link located map website: <http://www.followmegps.mobi>



PACKING LIST

- GPS tracker, car charger, home AC charger, manual.



GPS tracker



Car charger



USB wire

BEFORE USE

You will need a GSM phone SIM card which has SMS and incoming caller ID service capability. Install this SIM card in the tracker.

Please note the SIM card phone number which is your gateway to the many functions and features such location request, add & delete preset number, changing password, enable over speed alarm, enable move alarm etc.

1. Power ON / OFF

- ❖ When the power is OFF, press the “ON/OFF” button until the LED is ON, then release the button. The tracker is powered ON, when the LED flashes. This confirms that the tracker is working well.
- ❖ When the power is ON, press the “ON/OFF” button till the LED turns off, then release the button, the tracker is then OFF.
- ❖ When the power is OFF, if you recharge the tracker, the tracker will power on automatically when the DC connection is made.
- ❖ When the battery voltage in the tracker is too low, the tracker will power off automatically

2. Install SIM card: Pull out the battery cover and remove the battery, you can see the SIM card holder under the battery, move the metal cover to the other side, and you can then lift one side of the metal cover. Then put the SIM card into the holder (**metal pin face down**), and fasten the cover.

Note: Before installing or uninstalling the SIM card, please turn off the tracker.

3. LED flash indicator

Green Power LED Flash once	: Working well
Green Power LED Flashes twice	: GSM working well but the GPS signal is weak
Green Power LED Flashes three times	: GSM and GPS working well but the battery is low
Green Power LED Flashes four times	: GSM is working well, but the battery is low and GPS signal weak
Green Power LED ON continuously	: Searching network
Green Power LED OFF continuously	: Power off
Blue GPS LED ON	: GPS module is ON
Red GSM LED Flashes fast	: incoming or making a call or receiving a SMS

4. Recharging the tracker

- Please check and confirm that the adapter model is suitable for this tracker, we recommend using only the USB charger supplied.
- Warning: this tracker uses 5V DC voltage to recharge, so too high a voltage or AC current may damage the tracker or even cause accidents.
- Use the supplied car adapter to recharge the tracker. Insert the USB connector into the tracker and car adapter. If the LED on the adapter is RED, it means it is recharging, if the LED on the adapter is GREEN, this means the recharging has completed. This will take around 2-4 hours.
- Use the home AC adapter to recharge the tracker. As above, insert the USB connector into the tracker and AC adapter, If the LED on the adapter is RED, it means it is recharging, if the LED on the adapter is GREEN, it means the recharging is finished. This will take around 2-4 hours.
- When recharging, you can use the tracker as normal, however it will take about 3-4 hours to finish charging and for the adapter LED will turn to GREEN.
- When the battery is low, the LED will flash three times, and send battery low information to the first preset number. When the battery voltage is very low, the tracker will power off automatically, but when you recharge the tracker, it will power on automatically.
- Theoretically the battery will last about 5 – 7 days, however the standby time can be shorter in real life situations. For example, GPS in continuous operation and/or weak GSM signals can reduce the standby time to 1-2 days.

5. Reverting to default settings

Pull out the battery cover and remove the battery, press the “ON/OFF” button and hold down, insert the battery into the tracker, the unit will power on, after the LED flashes 10 times and the LED turns on continuously, release the button. The tracker is now back to its default factory setting, all preset phone numbers and password are deleted and the password is changed to default: 123456.

6. ANTENNA

- The antenna for both GSM and GPS modules are built in the tracker.
- Please keep the tracker away from large metal objects which reduce the GSM and GPS signal.

Temperature range

The working temperature is -20 °C to 60 °C, below or above this range the performance of the tracker may be affected. The acceptable storage temperature range is -40 °C to 80 °C.

Function Description

Add/delete/check preset number:

Preset Phone Number: the user can preset 3 phone numbers, these numbers are used for sending SOS help, low battery alarm information and change/check tracker password and trigger the location by calling, only preset phone numbers can do all operations.

1. To add a preset phone number by SMS

Send SMS text as follows: "ADDPHONE*123456*A*number" (not including the quotation marks " "). Number means the telephone number you want to preset, "ADDPHONE" is a command; "123456" is your password; "A" is preset number location select either A , B or C, so you can preset 3 phone numbers. If the operation is successful, the tracker will send back the information "ADDPHONE OK", if the command or password is incorrect, the tracker will send back information "ADDPHONE FAIL".

2. To delete a preset phone number by SMS

Send SMS "DELETEPHONE*123456*A" to the tracker, (not including the quotation marks " "). "DELETEPHONE" is a command; "123456" is your password; "A" is preset phone number location select either A, B or C; if the delete operation is successful, the tracker will send back the information "DELETEPHONE OK", if the command or password is incorrect, the operation fault, the tracker will send back information "DELETEPHONE FAIL".

3. To check the preset phone number by SMS

Send SMS "CHECKPHONE*123456" to the tracker, "CHECKPHONE" is a command; "123456" is your password; if the operation is successful, the tracker will send back the information "CHECKPHONE A, B and C.

Change/check password (pin code)

To change the 6 digit tracker password/pin code (recommended)

Send SMS "CHANGEPASSWORD*123456*-----" to tracker, "CHANGEPASSWORD" is a command; "123456" is old password; "-----" is the new password of your choice. If the operation is successful, the tracker will send the information " New Password : -----" to every preset phone number, if the operation fails, the tracker will send back information "CHANGEPASSWORD FAIL".

Note: Only a preset phone can change the password.

To check the tracker password

Send SMS "CHECKPASSWORD" to the tracker, "CHECKPASSWORD" is a command, if the operation is success, the tracker will send back the information "Password: -----".

Note: Only a preset phone can check the password.

Set the language

Send SMS "ENGLISH*PASSWORD" to the tracker. If the operation is successful, the tracker will send back the information "Set Language to English". If the command or password is incorrect, the tracker will send back information "Bad Command" or "Wrong Password". After setting the language to English, all the SMS information is changed to English.

To set SMS location mode from a call

1. Send SMS "SMSMODE*PASSWORD" to the tracker. If the operation is successful, the tracker will send back the information "Set Report Mode to SMS", if the command or password is incorrect, the operation is aborted and the tracker will send back information "Bad Command" or "Wrong Password".

Please note that this SMS is just a mode setting command, it will not trigger the tracker location finder. Call the tracker or send SMSLOCATE, for an immediate location text.

2. In this mode, using a preset phone, call the tracker and after ringing 3 times the tracker will hang up the call automatically and after about 30 seconds will send back the SMS location information (latitude, longitude, speed battery time etc) of the current location to the caller. If the tracker has no preset number, any phone call can trigger the tracker to send back location information, if the tracker has preset number, then only the preset phone call can trigger the tracker to send location information immediately.
3. Basic Location information includes Latitude, Longitude, Speed, Direction, Date & Time, Battery Status etc. Example SMS below:

Latitude: 22.680206N
Longitude: 114.146998E
Speed (km/h): 45.0
Direction (Degrees): 303.30
GMT: 2008/04/25 08:29:06.000
Battery: 91%

The first line is the latitude of the tracker.

The second line is the longitude of the tracker.

The third line is the speed of the tracker (the speed may not be zero even if the object is stationery due GPS tolerance).

The fourth line is the direction of the tracker (is the direction that the tracker is moving to, from the north it is 0, and the east is 90, and the south is 180, and the west is 270, full circle is 360).

The fifth line is the GMT time and date, (0 degree longitude line time). Your local time may be plus or minus a fixed number of hours.

The sixth line is the tracker battery capacity, if the battery is lower than 10%, tracker will send battery low information to the preset phone number.

4. If the tracker cannot receive the GPS signal, it cannot locate current location, therefore it will send the last locating information to caller, and add a warning message “GPS signal weak, Last located”.
5. You can visit our website www.followmegps.com to input the latitude & longitude to locate tracker on the flat map or earth map, or you can use free Google Earth application to locate the tracker.

You can also send an SMS “SMSLOCATE*123456” to the tracker, “SMSLOCATE” is the command, “123456” is password; the tracker will send back the latitude, longitude, speed, battery, time etc of current location to the caller. If the command or password is incorrect, the operation will be aborted, and the tracker will send back the message “Bad Command” or “Wrong Password.

1. Send SMS "LINKMODE*123456" to the tracker, "LINKMODE" is a command, "123456" is password; if the operation is successful, the tracker will send back the information "Set Report Mode to Map Link", if the command or password is incorrect, the operation aborted, and the tracker will send back the message "Bad Command" or "Wrong Password".

2. In this report mode, using the preset phone number, call the tracker, after 3 rings, the tracker will hang up automatically and initiate a location request, after about 30 seconds, the tracker will send back the SMS location information (map website link) of current location to the caller. You can then use a smart phone with internet access to click on the website link, visit the website and the location will be shown as a map on your phone. If the tracker does not have a preset number, any phone call can trigger the tracker to send the location, if the tracker has a preset number, then only the preset phone can trigger the tracker.

<http://www.followmegps.mobi/map.aspx?lat=22.679926&lng=114.147263&l=cn> (China map)

- Using a smartphone, click on the internet link, visit the map website and the location will display on your map. You can click + and – to enlarge or reduce the map. The following is an example.



To send an SMS website link location request

Send SMS "LINKLOCATE*123456" to the tracker, "LINKLOCATE" is a command, "123456" is password; the tracker will send back location information (as an internet link) of current location to the caller. Using your smart phone with internet access, click the website link and the map location will be displayed. If the command or password is incorrect, the operation is aborted, and the tracker will send back information "Bad Command" or "Wrong Password".

To set an object move alert (can be used as a car alarm)

Send SMS "SETMOVE*123456" to tracker, "SETMOVE" is a command, "123456" is password, the tracker will send back the information "SETMOVE OK" or "SETMOVE FAIL" to indicate the operation is successful or failed. After setting this function, the system will monitor the object continuously, if the object is moves, the tracker will send an alert and location information by SMS to whoever enabled the alert, and then every 5 minutes the tracker will send alert information via text until the tracker stops moving.

The object move alert SMS looks like this:

ObjectMove

Latitude: 22.680206N

Longitude: 114.146998E

Speed (km/h):45.0

Direction (Degrees):303.30

GMT: 2008/04/25 08:29:06.000

Battery: 78%

To set an over area alert

As an example only, send "SETAREA*123456*A22.670000N114.140000E*B22.680000N114.140000E" SMS to the tracker, "SETAREA" is a command, "123456" is password, "A22.670000N114.140000E" is the longitude example and latitude example of the first point (Point A) location, "B22.680000N114.140000E" is the longitude and latitude of the second point (Point B) location.

Note: the over area function needs 2 points of reference A and B. Point A must be on the left bottom of the point B, the format of latitude and longitude of every point is as follow: Latitude format is YY.YYYYYYN (8 digits) plus N or S, (north latitude or south latitude), if there are not 8 digits please add zero to the end of 8 digits, Longitude format is XXX.XXXXXXE (9 digits) plus E or W (east longitude or west longitude), if there are not 9 digits please add zero, if the command and password is incorrect, the tracker will send back the information "AREASET OK" or "AREASET FAIL" to indicate the operation is successful or a failure.

After setting the over area alert, the system will track the location every 5 minutes and check to see if the object is in the preset area or not, if the object is go out the area, then the tracker will send SMS to the phone who enabled the alert.

The over area SMS alert looks like this:

OverArea**Latitude: 22.680206N****Longitude: 114.146998E****Speed (km/h):45.0****Direction (Degrees):303.30****GMT: 2008/04/25 08:29:06.000****Battery: 89%**

To set speed alert

Send SMS "SETSPEED*123456*040" to tracker, "SETSPEED" is a command, "123456" is password, "040" is the preset report speed, the speed must be 3 digits , from 000 to 999, the unit of measurement is Km/hour. The tracker will send back the information "SETSPEED OK" or "SETSPEED FAIL" to indicate the operation is successful or not.

After setting this alert, the system will track every 5 minutes and check the speed of the tracker. If higher than the preset speed, the tracker will send an SMS to the phone who enable the alarm.

The over speed alert SMS looks like this:

OverSpeed**Latitude: 22.680206N****Longitude: 114.146998E****Speed (km/h): 45.0****Direction (degrees): 303.30****GMT: 2008/04/25 08:29:06.000****Battery: 78%**

To set real time tracking mode

Send SMS "SETTRACKING *123456*15M030T" to the tracker, "SETTRACKING" is a command, "123456" is password, "15" is track interval time, "M" means the time unit is minutes, interval time is from 00 to 99, must be 2 digits, "030" is the preset total tracking times, "T" means times, the tracking time is from 000 to 255, must be 3 digits, "15M030T" means every 15 minutes locate one time, total 30 times.

After setting the real tracking mode, the tracker will locate the object once every preset interval time and send SMS to the preset phone with the location information. When it reaches the maximum number of tracks "T" it will cancel the tracking mode

automatically.

To cancel the real tracking mode: Send SMS "CANCELTRACKING*123456" to tracker, "CANCELTRACKING" is a command, "123456" is password, the tracker will send back the information "TRACK CANCEL" or "TRACK NOT SET" to indicate that the operation is successful or not.

Note: If you set the over area report and over speed report and tracking mode at the same time, then the information SMS will only be sent to the last preset phone.

Cancel all alert settings

Send SMS "CANCEALARM*123456" to tracker, "CANCELALARM" is a command, "123456" is password, the tracker will send back information "All Alarm Cancel", and cancel all the alarm setting in the tracker, including shock alarm, over area alarm, over speed alarm, real tracking mode etc. If the command or password is incorrect, the tracker will send back information "Bad Command" or "Wrong Password".

Low battery alert

When the tracker battery voltage is low, the GREEN LED on tracker will flash 3 or 4 times, and the tracker will then automatically send low battery information to the first preset phone number.

To monitor & listen to sound around tracker

Send SMS "MONITOR*123456" to tracker, "MONITOR" is a command, "123456" is password, the tracker will call the user who sent this SMS, after which the phone is then connected and the user can listen to the sound around the tracker within a radius of about 3-10 meters.

Talking to preset phone

Press button "B" or "C" on the tracker, the tracker will call the preset phone number B or C that you have set, after which the phone is connected so that you can talk to the preset phone. Note the tracker speaker should be closer to your ear so that you can hear clearly.

Set power saving mode (sets GPS on/off interval)

Send SMS "SETPOWER*123456*10" to the tracker, "SETPOWER" is a command; "123456" is password; "10" is the interval time. This means that every 10 minutes the GPS will turn on and receive the location. The interval digit must be a two digit number, from 00 to 99, where the unit is a minute. If the time is longer, then the power saving is greater, 00 = GPS always ON, and 99 = GPS always OFF, (the factory default is 99, which means GPS is always OFF, except when a call or text automatically turns GPS on. If

the real tracking mode is set, the GPS is always on.

“SOS”

Press the “SOS” button for 6 seconds. The LED will flash fast, then the LED will turn OFF, release the button, and the tracker will send help information to all three preset phone numbers. The SOS alert looks like this:

HELP !

Latitude: 22.680206N

Longitude: 114.146998E

Speed (km/h): 45.0

Direction (Degrees): 303.30

GMT: 2008/04/25 08:29:06.000

Battery: 68%

If the user receives the HELP alert they must follow up and if necessary contact the relevant emergency service.

Installation guide

The antenna for GSM and GPS is built into the tracker. Please note that the install location will affect its ability to receive the signal. Normally the back seat pockets, arm rest compartment or under the back window are good places. Operation within metal enclosed areas will yield disappointing results or complete failure. The tracker has a built in high capacity Li-ion battery, one recharge lasts about 5-7 days. Also, you can connect and recharge the tracker to a 12V car battery or mains using the supplied adaptors. There is also an optional accessory fixed wire 12v/24v adaptor (AHW-14P) available for permanent connection.

Notes

- The tracker has built in GSM and GPS modules, so please power off the tracker in areas that restrict using mobile phones, such as on the plane, hospital, petrol station etc.
- The GPS module needs 10-200 seconds to locate the position. When the GSM signal is weak or the network is very busy, the SMS maybe delayed by the GSM network, this is normal.
- Large metal areas or enclosures can seriously reduce the signal of GPS and GSM and please also keep the unit away from the magnetic components.

Trouble Shooting

1. The tracker turns off automatically

Please confirm the tracker battery can be used, try to recharge it; and the SIM card has been installed properly.

2. Tracker can not send back information by SMS

Please confirm the SIM card has caller ID display and SMS capability, and the SIM card PIN code is disabled.

3. No response

Please confirm that the tracker has been turned on and the SIM card has enough credit, and that a mobile phone can work well in the same place using the same network.

4. No response

“*” is used throughout this user manual to indicate information that must be added and should not be used on any command.

Instruction List

Function	SMS Information	Note	Reply	Note
Add phone number	ADDPHONE*123456*A *13322990998	Any mobile phone can set	ADDPHONE OK	Reply to the operation phone
Delete phone number	DELETEPHONE*123456*A	Any mobile phone can delete	DELETEPHONE OK	Reply to the operation phone
Check phone number	CHECKPHONE*123456	Any mobile phone can check	CHECKPHONE A : 13322990998 ; B : 13322990033 ; C : 13316868198;	Reply to the operation phone
Change password	CHANGEPASSWORD* 123456*888888	Only preset phone can change	New Password: 888888	Reply to operation phone that been preset
Check password	CHECKPASSWORD	Only preset phone can check	The Password: 888888	Reply to operation phone that been preset
Set language to English	ENGLISH*123456	Any mobile phone can set	Set langue to English	Reply to operation phone
Set language to Chinese	设置中文*123456	Any mobile phone can set	设置中文成功	Reply to operation phone
To set SMS location mode from a call	SMSMODE*123456	Any mobile phone can set	Set Report Mode to SMS	Reply to operation phone
To send an SMS location request	SMSLOCATE*123456	Any mobile phone can set	latitude & longitude speed direction time battery	Reply to operation phone
Set website map link location mode from a call	LINKMODE*123456	Any mobile phone can set	Set Report Mode to Map Website Link	Reply to operation phone
To send an SMS Website link location request	LINKLOCATE*123456	Any mobile phone can set	Current location map website link	Reply to operation phone

To set an object move alert	SETMOVE*123456	Any mobile phone can set	SETMOVE OK The alarm will be: ObjectMove + location information	Reply to operation phone
To set an over area alert	SETAREA*123456*A22 .670000N114.140000E* B22.680000N114.1400 00E	Any mobile phone can set	SET AREA OK The alarm will be: OverArea + location information	Point A must be at the east bottom of point B
To set speed alert	SETSPEED*123456*08 0	Any mobile phone can set	SETSPEED OK The alarm will be: OverSpeed + location information	Reply to operation phone
Set real time tracking mode	SETTRACKING*12345 6*xxMyyyT	Any mobile phone can set	SETTRACKING OK	xx is 0 to 99, unit is minutes, yyy is 001 to 255, every xx minutes locate once, total yyy times.
Cancel all alert settings	CANCELALARM*12345 6	Any mobile phone can set	ALARM CANCEL or ALARM NOT SET	Reply to operation phone
To monitor & listen to sound around tracker	MONITOR*123456	Any mobile phone can set	Call the user and monitor sound around the tracker	Reply to operation phone
Talking to Preset Phone	Press Button B or C		Call and talk to the preset phone B or C	Call the preset phone
Set power saving mode	SETPOWER*123456*x x	Any mobile phone can set	Set Power Saving OK	xx is 00 to 99, unit is minutes, 00 is normally ON, 99 is normally OFF (Default is 99)
SOS	Press SOS button until the LED TURN OFF		Send HELP information to all preset phone by SMS	Send information to preset phone

Notes

- ① Please add preset phone before changing the password.
- ② The default password is 123456. We recommend that you change this to a number to a memorable six digit number.
- ③ Every tracker can set 3 preset phone numbers.
- ④ All the SMS information is in English word, so for example “#” is the hash key, “” is not included in the SMS information, it is just used to indicate the information.

Specifications

GSM Frequency	850/900/1800/1900 MHz	GPS channel	32 ↑
GSM / GPS Antenna	Built in	Standby Current	2-5 mA
Locate precision	10-20 Meters	Recharging Current	5V/300mA
GPS working Current	<50mA	GPS Cold Start Time	36 seconds
Working Temperature	-20 °C to +55 °C	GPS Hot Start Time	1 second
Storage Temperature	-40 °C to +80 °C	Absolute Temperature	-35 °C to +70 °C
Battery	Li-ion 800mAh (BP-6M)		

Note: We are not liable in any way for any losses arising from the use or misuse of this product.

Customer name			
Address			
Date of purchase	year	month	day
Model	APT-15	Serial Number	
Distributor/retailer			

IB. March 2011

Customer support: support@alaskauk.com

www.alaskauk.com

www.alaska.dk

www.youtube.com/alaskauk