agis

User's Manual

NAVFONE

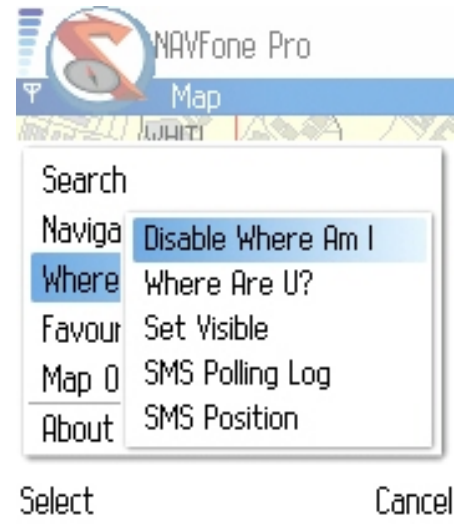
Nokia Series 60 Version 2, Version3
(Symbian OS)
Version 1.6225

January 2007

What's Exciting?

Comprehensive Map

Fun Features



GSM Location Engine

Powerful Navigation Tools

Quick Reference

Main Menu commands

Search

Search	Smart word search to find landmark, point-of-interest, street names and more
What's Nearby?	Search for landmark, point-of-interest, street names and etc. nearby the selected location.

Favourites

New	Create your favourite hot spots or hang out at the selected location.
Delete	Delete waypoints which you will not be using
Go To Fav	View your favourite hot spots or hang out at the selected location.

Map Options

Load Map	Load different country maps
Set As Default	Customise default map
Home View	Zoom out to country view

Where is …

Where am I?	Find out your present location, especially in a foreign area
Where are U?	Find out where your loved ones are
Set Visible	Let your friends locate you, especially when meeting up with them
SMS Polling Log	View polling history
SMS Position	Send your locations to your friend

Navigation (**PRO** ver.)

Start	Set selected location as route start point
Destination	Set selected location as route end point
Auto Reroute / Disable Reroute	Enable/ Disable auto reroute when detoured from original route
Connect GPS	Connect to an external GPS device via Bluetooth
Play Route	Play back of planned route

Help

About	Software versioning
FAQ	Links to website FAQ

Exit

-	Exit program

Tap and hold on the selected location on the map to initiate the pop-up menu

Pop Up

Show WP note	Show additional waypoint info/notes
Send Pos To…	Send a position and message(optional) to another phone
Toggle	Toggle between WP viewer and Map viewer. If routing available, can toggle between the List and Directional view.

About NAVFone

NAVFone is a digitized street directory that allows you to view maps on Symbian phones and much more.

The main user interface for **NAVFone** is the map view window. All the features can be access via the menu. The application provides zooming and panning capabilities to facilitate map navigation.

For easy and fast access to specific positions of interest, waypoints, with friendly names and textual descriptions, can be created and mark in the map. The icon type and priority of each waypoint can also be customized to enable easy identification on the map.

The software also allows users to perform various types of search in the database to suit different needs. Matching results can then be selected and viewed in detail.

Asia GIS' GPRX^{tm} technology with GPS-like feature, allows you to determine your location in an instance. This feature also allows you to find the location of your friends. Connect it to a Bluetooth GPS device and turn your mobile phone into a Navigation device!

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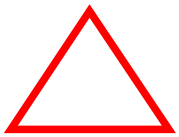

Caution set out in this manner indicates that failure to follow instructions might result in damage to equipment, loss of data or malfunction of the system.

Abbreviations:

SMS – Short Message Service
WP – Way Point

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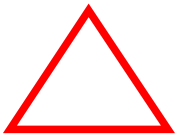
Safety Information

Warning!

For safety, user should not operate this system while driving or in motion. User shall be responsible for his/her own safety and adhere to all traffic rules and regulations at all times. Map data are updated periodically and user shall exercise good judgment when using the system for map guidance.

agis Private Limited shall not be liable for any loss or damage caused by the usage of the system.

Important Information



NAVFone license is specific to your mobile phone and it is not transferable.

In the event of an **upgrade of mobile phone** (within 3 months), user can bring in their old and new mobile phones. We will enable the transfer of NAVFone to the new mobile phone. **Administrative charges will apply**.

The serial number provided with the NAVFone is for installation on a **single mobile phone only**. Please keep it at a safe location. agis will not be liable for misplace or misuse of the serial number.

When NAVFone program is lost due to **loss, damage or repair of mobile phone**, agis will not be liable for a replacement. However, with supporting documents such as a police report or a repair invoice, replacement can be obtained on a case to case basis. **Administrative charges may apply**.

As map data is always changing, **updates can be purchased** from our website www.asiagis.com.sg.

NAVFone has been fully tested on a limited range of mobile phones in a given time frame. As mobile phone specification varies among models and/or batches, agis will not be liable for any **incompatibility issue**.

1. Getting Started

The NAVFone Pro is an advanced and intelligent information system that harnesses the cutting edge technology of GPRX (cell-based location engine) and Geographical Information System (GIS) to provide detailed street level map information and LBS (Location Based Services). When connected to a GPS receiver via Bluetooth, Navfone Pro is able to provide street level turn-by-turn voice-guided navigation.

NAVFone Pro is developed for Symbian Platform.

> The map data can be purchased at www.asiagis.com.sg

In this section, you will learn about:

- What are the system requirements?
- Installing the NAVFone Pro

1.1 System requirements

Before you begin with the installation, make sure that the following requirements are met:

A mobile phone:

- Using Symbian OS Nokia Series 60 Version 2, Version 3.
- Free memory space of 6 MB (system memory) to store the installation file. An additional 6 MB / 10 MB (for PRO version) of system memory or external storage card for the actual installation. The 6 MB installation file can be deleted after installation is complete.
- Connector cable, IrDA, Bluetooth or other forms of communication with the PC

Please contact us to have an updated list of compatible mobile phones.

Desktop or laptop:

- Pentium-class PC with Microsoft Windows
- Version 98, 98SE, 2000, ME or XP Operating System
- 6 MB / 10 MB (for PRO version) of free disk space
- Connector cable port, IrDA, Bluetooth or other forms of communication port with your mobile phone
- Your mobile phone PC suite (See your mobile phone's user manual for installation procedures.)(Optional)

Internet connection at the PC is required for online registration & software activation

1.2 Installation preparations:

Note: If any of the above requirements is not met, you will not be able to complete the installation.

To install **NAVFone** on your mobile phone, right click on the downloaded file on your desktop. Select “Send To" and choose your mobile device. After file transfer is completed, go to Inbox and click on the received .sis installation file. Installation should begin.

(Refer to **Appendix A** for a step-by-step sequence of the installation process)

2. Using NAVFone

Now that you have installed NAVFone Pro on your mobile device, you are ready to go.

2.1 Launching the application

After you have successfully completed the installation, you will see the **NAVFone** icon in the application launcher screen.

To launch the application

1. Go into menu
2. Move the cursor to the Installations folder and Open.
3. Move the cursor to the Icon
4. Press **Options** and select **Open**. Alternatively, press the centre of navigation key. (Skip procedure 5-14 after you activated the software)
5. Move the cursor and select “Activate Software” under the Select option and click OK
6. Type in the 16 Alphanumerical Registration Code provided into the Registration Code. (Take note it is case sensitive)

7. Scroll down to the Activation code
8. Type in the Activation Code provided into the Activation Code. (Take note it is case sensitive)
9. Click OK
10. Scroll down and read the Disclaimer
11. After reading the Disclaimer, click OK
12. Scroll down and read the Agreement
13. After reading the Agreement, click OK
14. Once the NAVFone Pro and a map appears, the NAVFone is ready to be used.

2.2 The Map View window

The Map View window shows the main screen.

All maps shown are always orientated to the North. The red cross + can be used to call up the Map menu or select an object by moving the cursor button over the object and clicking on it. The name of the item selected is shown at the top of the map. The scale on the bottom left changes according to the zoom level and provides a rough estimate of distances between places and objects.

Just as the phone cursor is used to move the red map cursor +, the numeric * and # of the keypad is used to zoom in and out of the map.
See 3.0 Basic Map Function.

2.3 Accessing the Menus

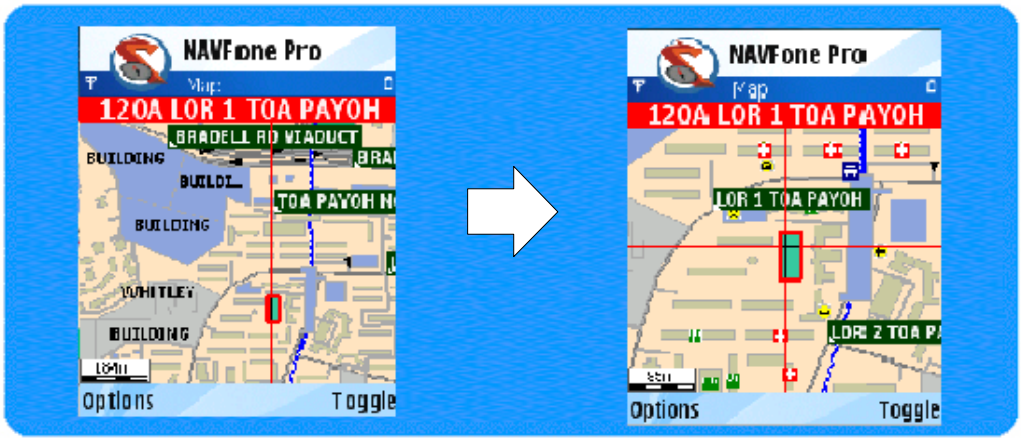
There are two menus in the Map view window.

Main menu	Press **Options**.
Toggle	Allow toggling between various navigational map view and favourites.

Note: The two menus stated above are available only in the Map view window. The list of commands available varies with different windows.

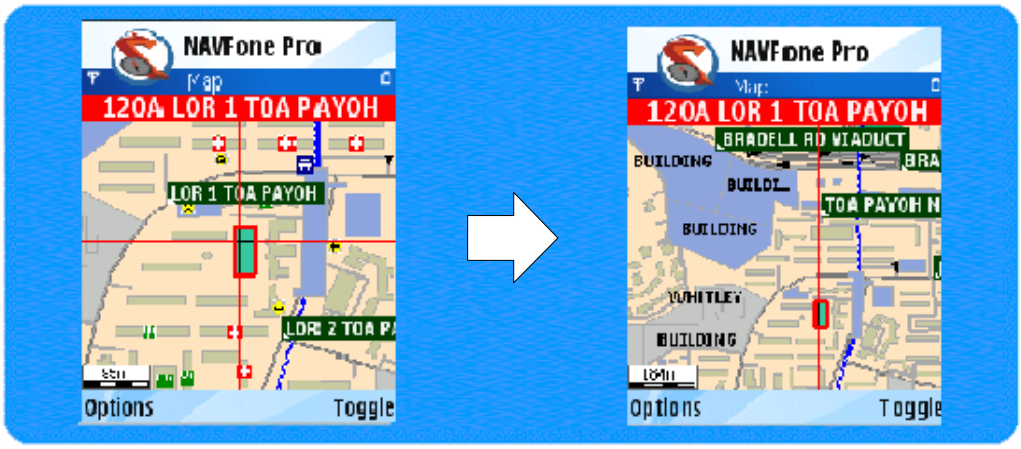
3.0 Basic Map Function

3.1 Zoom In



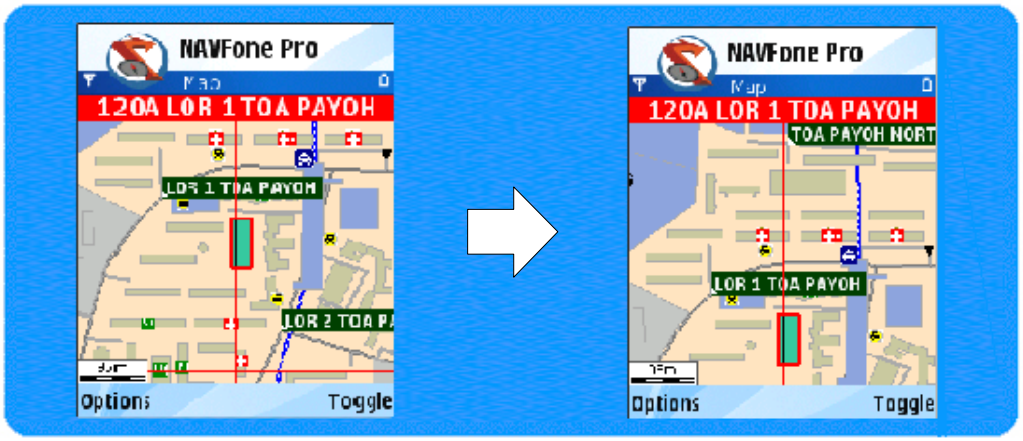
Pressing key # on the keypad of the mobile device to zooms in onto the cursor position.

3.2 Zoom Out



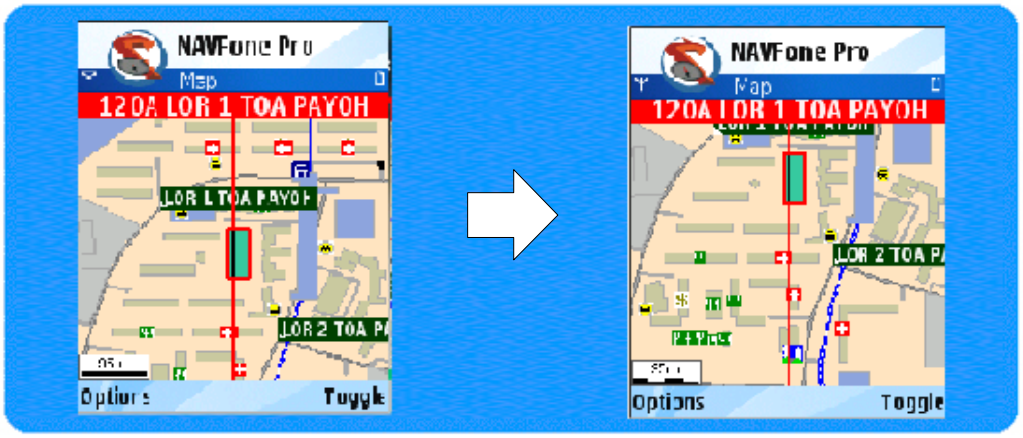
Pressing key ***** on the keypad of the mobile device to zooms out of map.

3.3 Pan Up



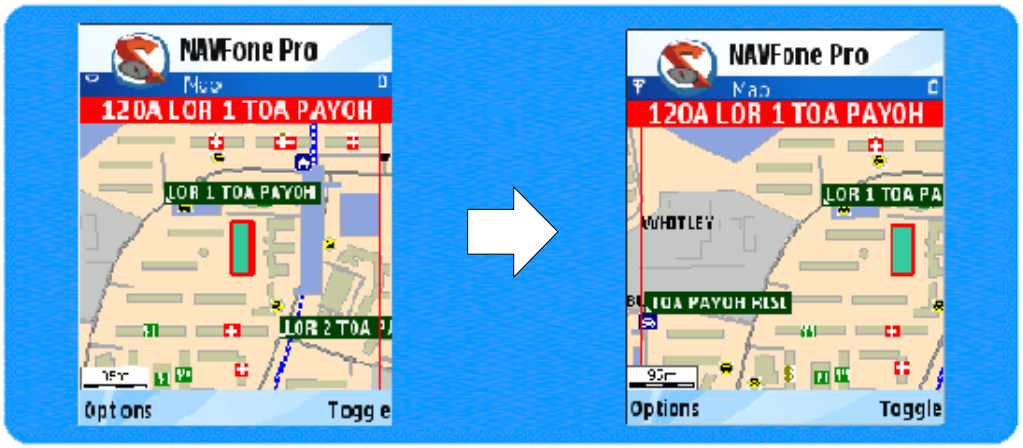
Moving the 5-ways navigation key of the mobile device upwards will display more map details to the top of the current view.

3.4 Pan Down



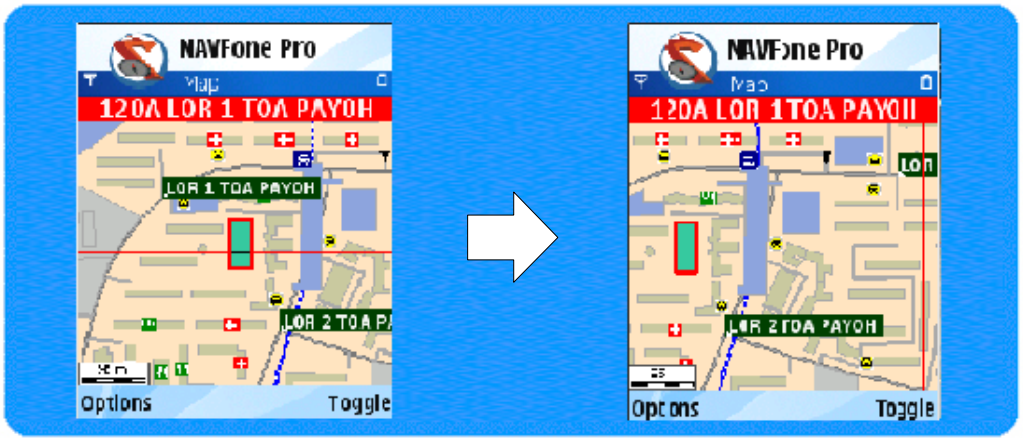
Moving the 5-ways navigation key of the mobile device downwards will display more map details to the bottom of the current view.

3.5 Pan Left



Moving the 5-ways navigation key of the mobile device to the left will display more map details to the left of the current view.

3.6 Pan Right



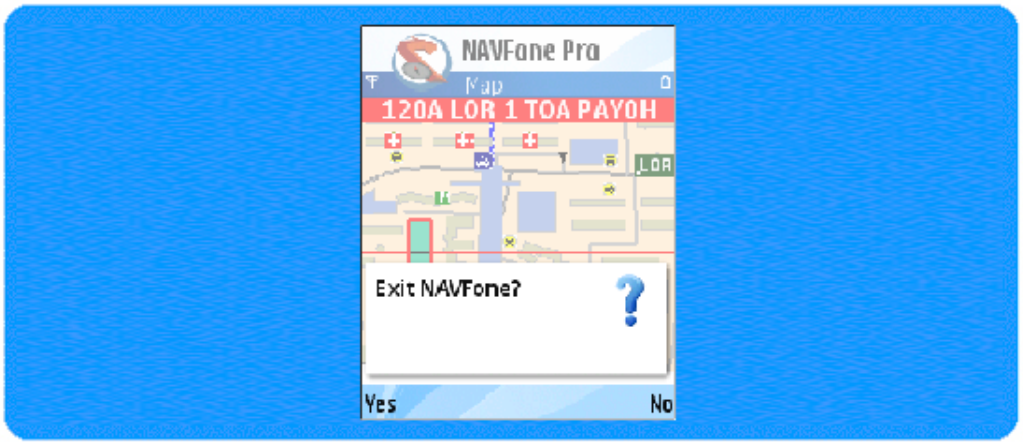
Moving the 5-ways navigation key of the mobile device to the right will display more map details to the right of the current view.

3.7 Cursor movement

Use the 5-ways navigation key on the mobile device to move the red cross + in the Map view window.

Push down the center of 5-ways navigation key on the mobile device to highlight and show the name of the location the cursor is at.

3.8 Exit



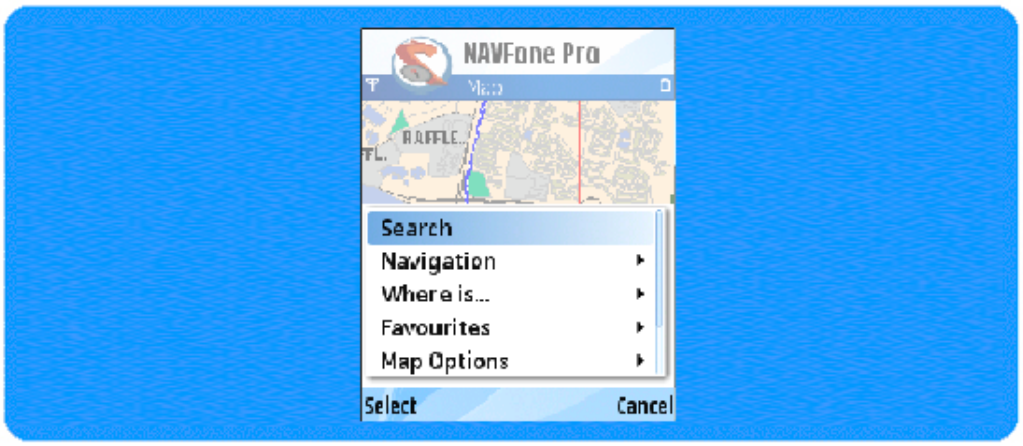
This command quits the application.

To quit NAVFone

1. Click on Options
2. Scroll down to the **Exit** option
3. Press **Yes** to quit or **No** to continue using the application.

4.0 Search

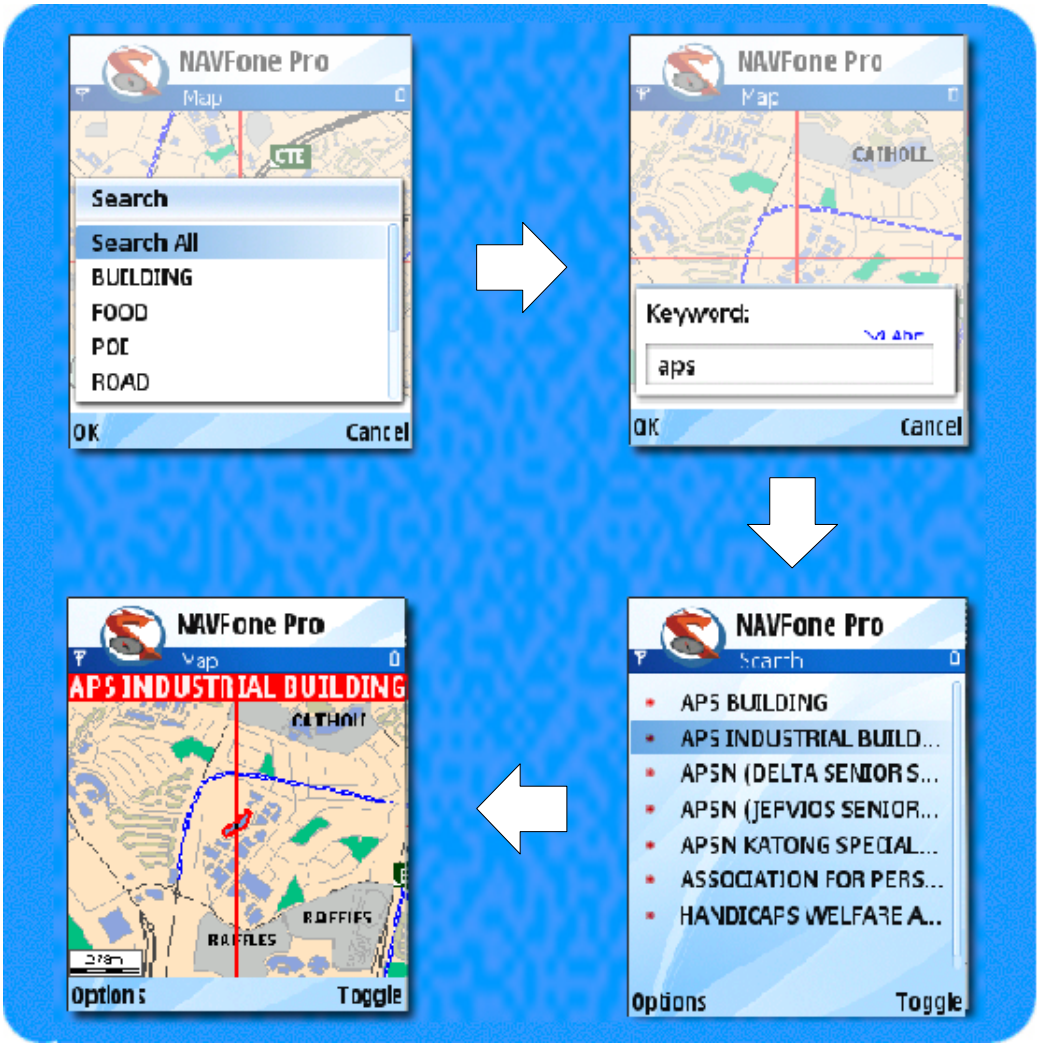
There are 2 types of search available in this application.



The first type search command performs a search for locations or map features in the map, based on a keyword or phrase and list them in alphabetical order. Search can be conducted for all layers or a single layer.

The other search command conducts a search for locations or map features in the vicinity of the current cursor position on the map. No keyword is required for this search, and results are listed with respect to the distance from the cursor. Search can be conducted for all layers or a single layer.

4.1 Search Keyword



This command allows the user to perform a search in the map by layers and using a keyword or phrase.

To perform a 'Search' search

1. Press **Option** and select **Search**.
2. Using the up or down navigation key, move the cursor to select a layer* (e.g **BUILDING, FOOD**, etc) or **Search all** to search all layers.
3. Press **Ok** to confirm selection. Alternatively, press the center of navigation key.
4. Input keyword(s) using the keypad.
5. Press **Ok** to confirm selection. Alternatively, press the center of navigation key.
6. Maximum number of results is limited to 200.
7. The search result window will open. See 4.3 Search result window.

* All map features in the map are classified into many groups called layers. Select all map features (Search all) or one that you are interested to continue your search.

4.2 What's Nearby?

This command conducts a search for locations or map features in the map with respect to a reference point. This reference point is the cursor position on the map in the Map view window. The result is listed out according to their distance away from the reference point. No keyword is required for this search command.

To perform a '**What's Nearby**' search

1. Press **Option** and select **Search**.
2. Using the up or down navigation key, move the cursor to select a **layer** * (e.g. **BUILDING, FOOD**, etc) or do **Search all** to search all layers.
3. Keyword dialog box will appear with the default "(What's Nearby?)" wording.
4. Press **Ok**. Alternatively, press the center of navigation key.
5. The search result window will open. See 4.3 Search result window.

* All map features in the map are classified into many groups called layers. Select all map features (Search all) or one that you are interested to continue your search.

4.3 Search result window

Both search result window are similar. A list of search results is formed. If 'What's Nearby?' search is used, the result will be listed according to their distance away from the cursor. If no result is found, it will automatically return the Map view window.

To view location on the map

1. Using the phone cursor buttons, scroll to the wanted object then press the center of navigation key.

To do a new search

1. Press **Option** and select **Clear Search**. Then repeat the search function shown on section 3.1 and 3.2.

To create a new WP at the object

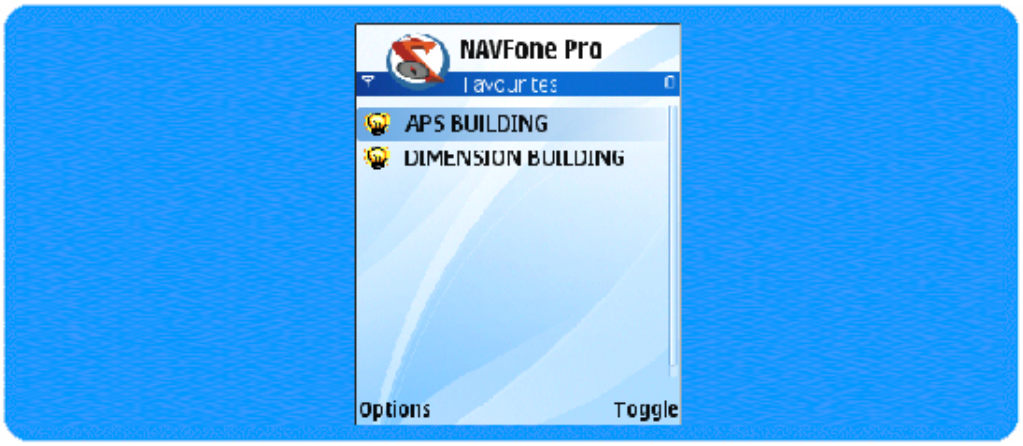
1. Press **Menu** and select **Clear Search** then press **Menu**, **Favourites**, **New**. After which, type in a name you will want to call theplace and click OK. A waypoint will subsequently be created at the object's location.

You can also create your WP using the main menu and in WP viewer window.
See 5.1.2 Create a New WP.

5.0 Favourites Management

Favourites (also known as waypoints) are points that can be created and displayed in the map as an icon with a label attached to it. All waypoint can be saved for later use and easy reference. Each waypoint's label, icon type and size can be set to differentiate one from another. A short note can also add to it.

5.1 WP viewer window



This command allows the user to create new waypoints. Pressing the **Toggle** button allows you to enter the WP viewer window quickly.

The WP viewer lets you create, edit and view your waypoints.
Press **Options** to display and select actions available.
Press **Toggle** to return to Map view window.

5.1.1 Jump to WP

This option shows the user the location of the WP.

To show a WP in the map

1. Using the up or down navigation key, move the cursor to the WP you want to show in the map.
2. Press **Select**, **Favourites** and select **Go To Fav**.

5.1.2 Create a New WP

This option creates a WP at where the cursor is in the map and opens the WP settings window.

To create a new WP from Map view window

1. Press **Options, Favorites** and select **New**.
2. The WP settings window will open up. See 5.2 WP settings window.

To create a new WP from WP viewer window

1. Press **Options**, **Favourites** and select **New**.
2. The WP settings window will open up. See 5.2 WP settings window.

You can also create your WP in the Map view window and search result window. See 3.3 Search result window

5.1.3 View/Edit WP

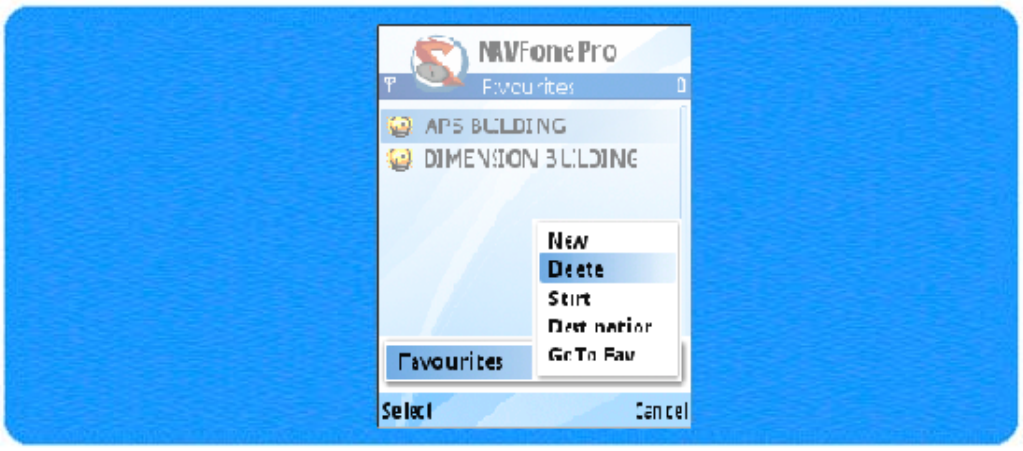
This option opens the WP settings window for user to view or edit existing WP.

To view or edit existing WP

1. Using the up or down navigation key, move the cursor to select the WP you want to view or edit.
2. Press the center of navigation key to enter the WP settings window.
3. The WP settings window will open up.

See 5.2 WP settings window.

5.1.4 Delete WP



This option deletes an existing WP in the WP viewer.

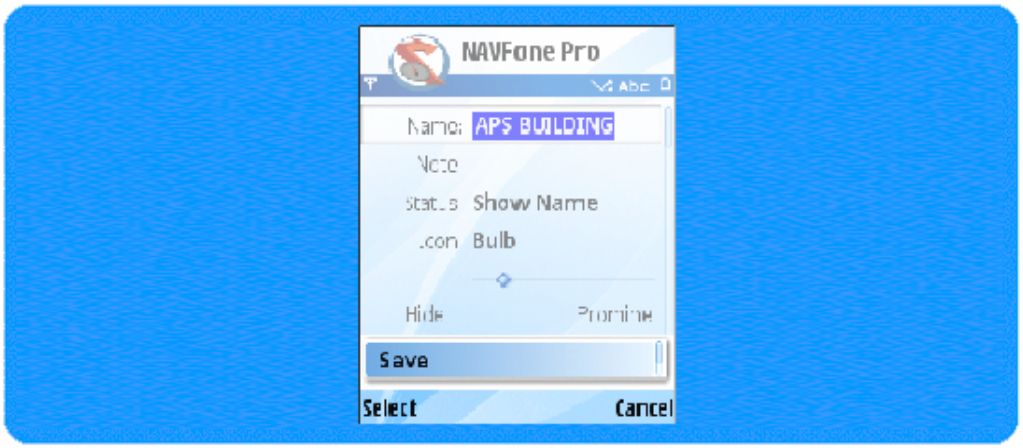
To delete an existing WP

1. Move the cursor to select the WP you want to view or edit using the up or down navigation key.
2. Press **Options**, **Favourites** and select **Delete**.
3. The software will not double prompt if you wish to delete the selected WP so please delete with caution.

5.2 WP settings window

The WP settings window allows you to set your waypoint properties.
Press **Options** to display and select actions available.
Press **Cancel** to return to WP viewer window.

5.2.1 Save

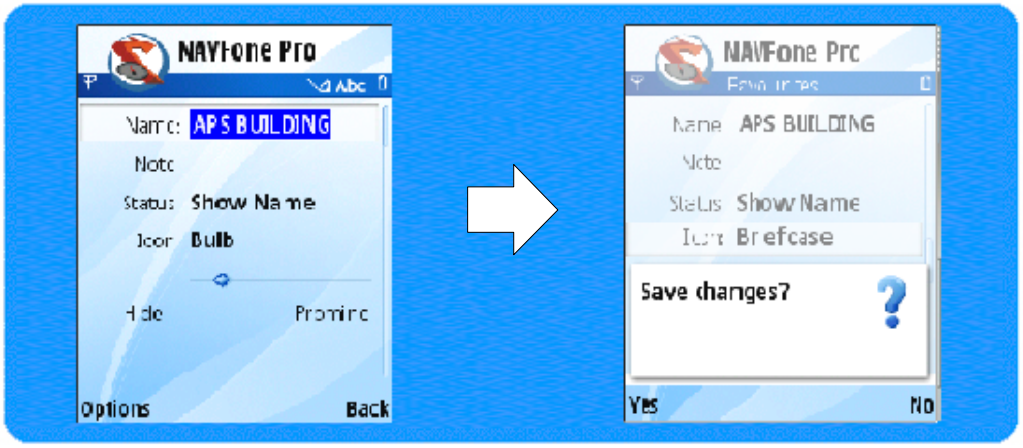


This option saves the settings of the current WP and returns to the WP viewer window. Newly created/edited WP must be saved for the changes to take effect.

To save the settings of the current WP

1. Press **Options** and select **Save.**

5.2.2 Cancel



This option returns to the WP viewer window without saving the settings of the current WP.

To return to the WP viewer window

1. Press **Back** and select **No** when prompt if you wish to “Save changes?”**.**

5.3 List of WP properties

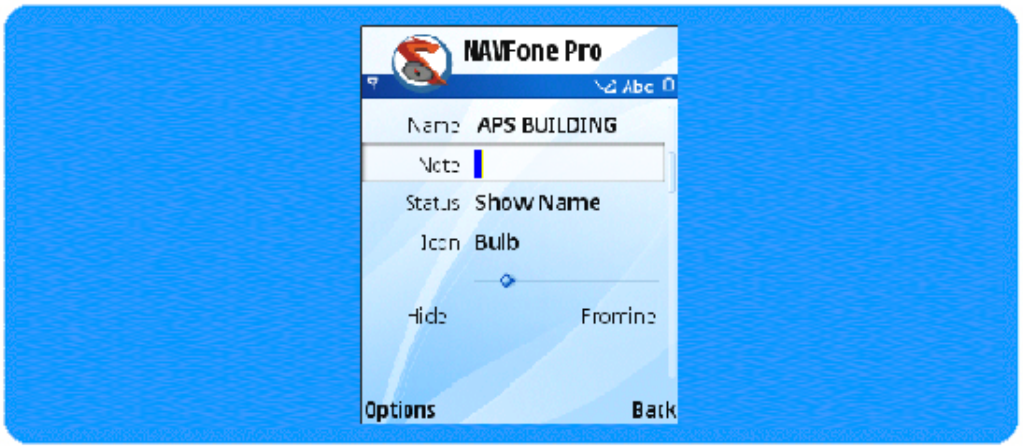
5.3.1 Name

User can label the WP for easy reference. The software will try to capture the street name, building etc if it is available, otherwise a default name, eg. WP#1, is given to a WP upon creation.

To change your WP name

1. Move the cursor to **Name** using the up or down navigation key.
2. Press the center of navigation key to select.
3. Start writing the WP name using the keypad.
4. Press the up / down of the navigation key to exit the field.

5.3.2 Note



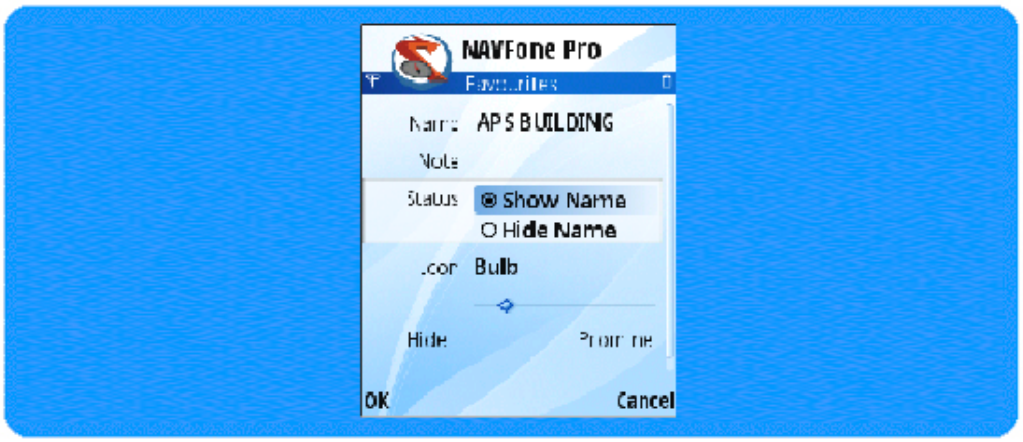
User can add additional notes about the WP.

To add or edit WP note

1. Move the cursor to **Note** using the up or down navigation key.
2. Press the center of navigation key to select.
3. Start writing or editing the WP note using the keypad.
4. Press the up / down of the navigation key to exit the field.

You can also view your WP note in the Map window. See 5.3.2 Note.

5.3.3 Status



To allow the Name to show / stay hidden on the map

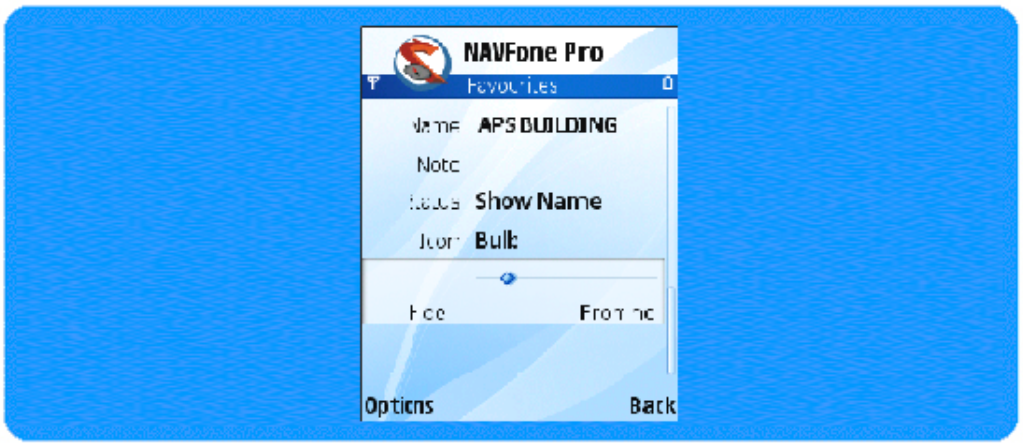
1. Move the cursor to **Status** using the up or down navigation key.
2. Press the center of navigation key to select.
3. Mover the cursor to show or hide the name field on the map.
4. Press the up / down of the navigation key to exit the field.

5.3.4 Icon

To change the WP icon type

1. Move the cursor to **Icon** using the up or down navigation key.
2. Press the center of navigation key to select.
3. Select the icon type using the left or right navigation key.
4. Press the up / down of the navigation key to exit the field.

5.3.4 Visibility



The Visibility denotes the visibility of the waypoints at different zoom scales. A newly created waypoint has its Icon Priority automatically pegged to the current zoom scale that it is created. It only becomes visible from that zoom onwards, and invisible when zoomed out. User can override the Icon Priority defaults by adjusting the priority levels.

To change your icon priority

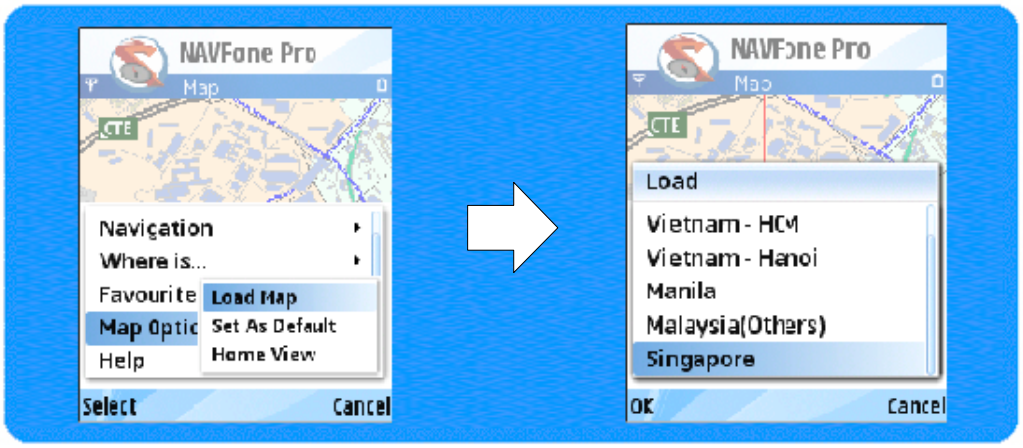
1. Move the cursor to **Visibility** using the up or down navigation key.
2. Press the center of navigation key to select.
3. Select the icon priority using the left or right navigation key.
4. Press the up / down of the navigation key to exit the field.

Note: Your settings MUST be saved them to take effect. To save settings, Press Options and select Save.

6.0 Map Options

Only NAVFone Pro allows you to navigation and connects to GPS. The non-pro version does not have the Navigation functionalities.

6.1 Load Map

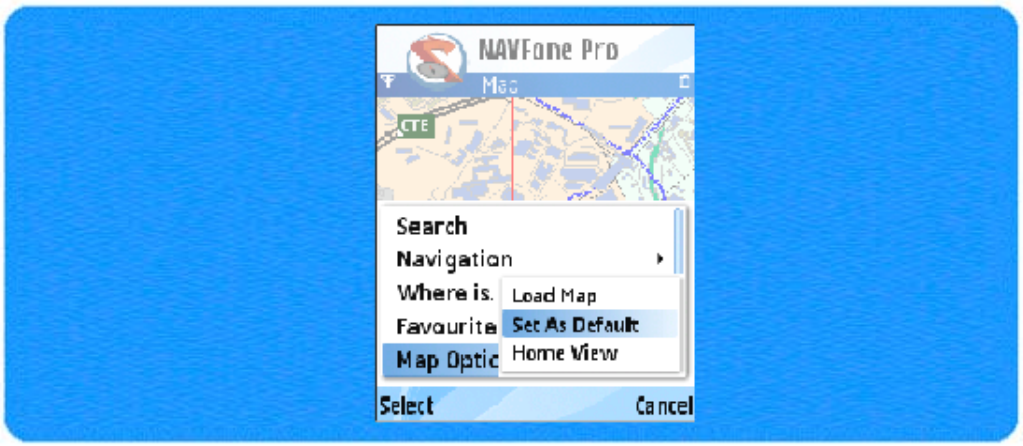


This function allows the user to load the various maps layers of different country that you may have purchased.

To Load Map

1. Click on Options and Scroll to the Map Option.
2. Navigate one step to the right
3. Select the option Load Map
4. Select the chosen map and click OK

6.2 Set As Default

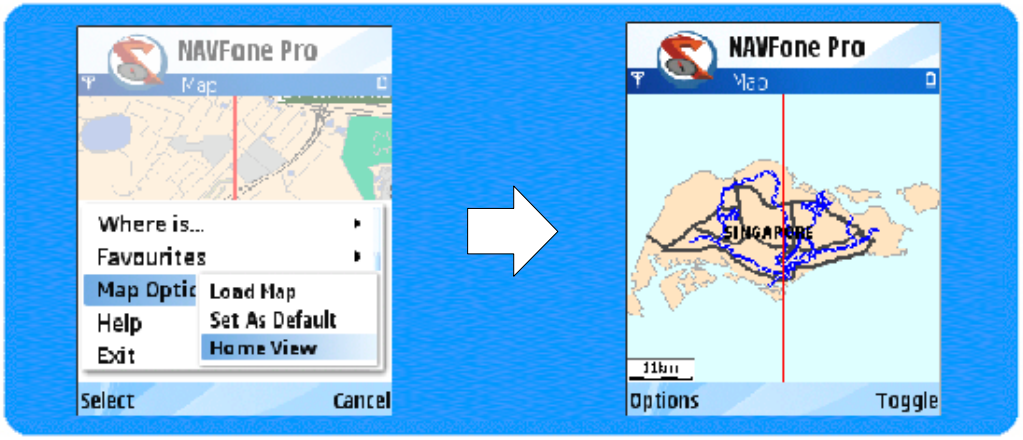


Your settings MUST be saved so that the next time you launch NAVFone, the last save map will be loaded on the application.

To Set the current map as your default

1. Click on Options and Scroll to the Map Option.
2. Navigate one step to the right
3. Select the option Set as Default
4. Click slelct

6.3 Home View



The Home View returns the user to the overview of the selected country.

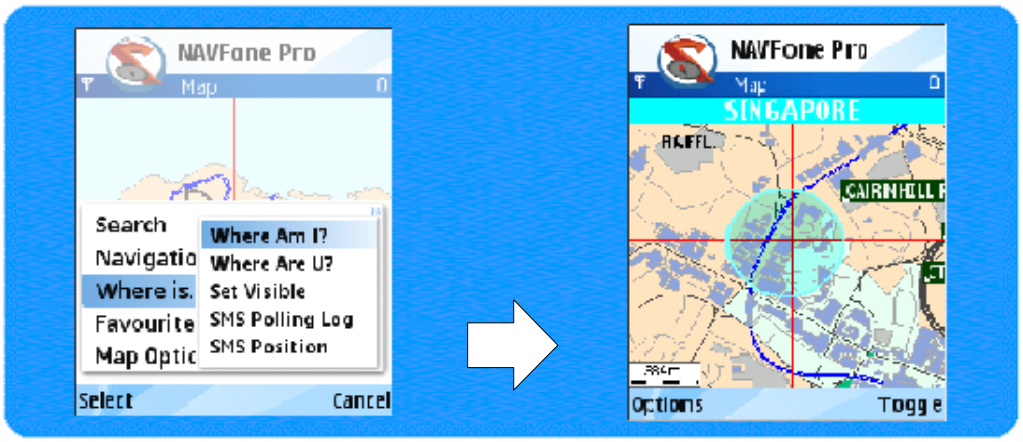
To Set the current map as your default

1. Click on Options and Scroll to the Map Option.
3. Navigate one step to the right
4. Select the option Home View
5. Click slelct

7.0 Where is

The Where is function uses agis' Gprx[tm] GPS-like technology to find your location and also your friend's location.

7.1 Where Am 1?



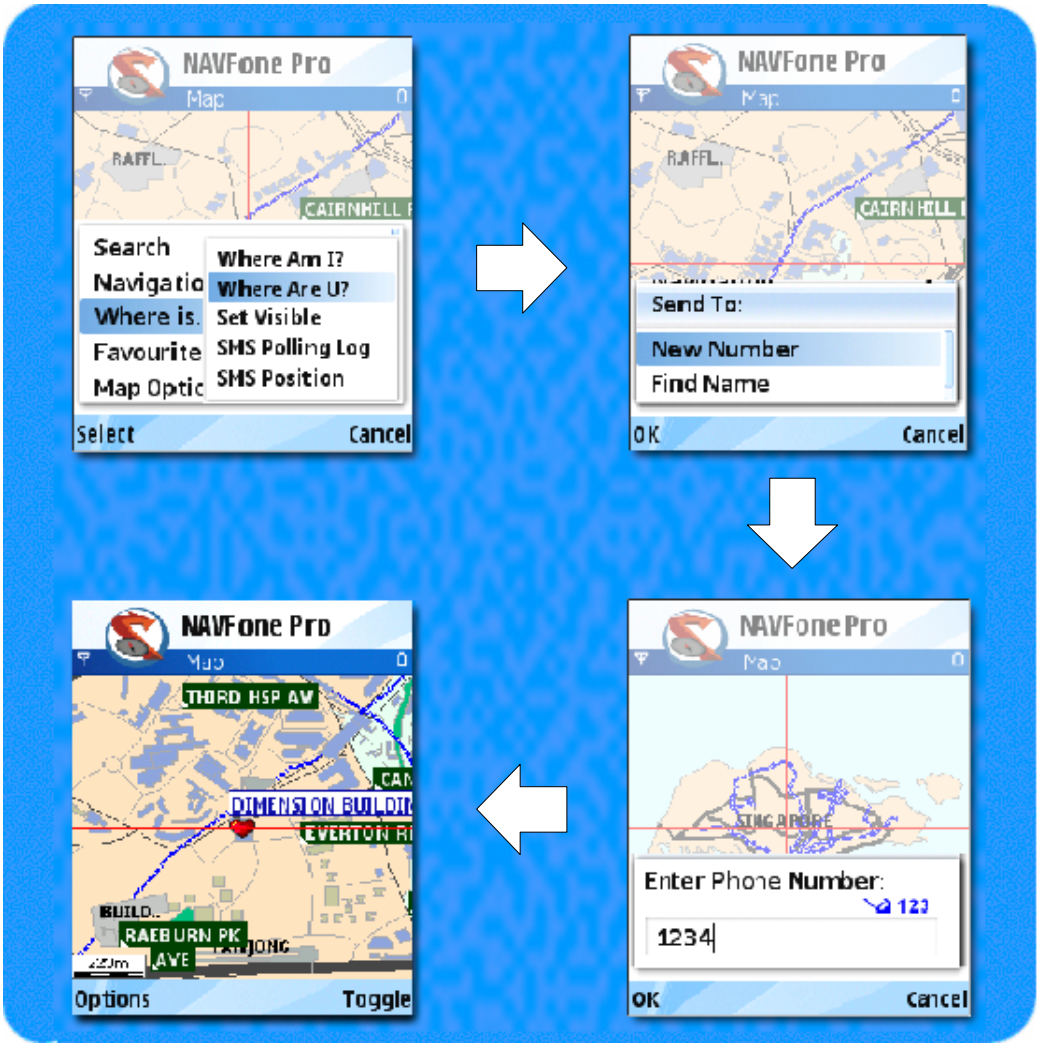
This command shows you the current location you are in.

To show your current location

1. Press **Option->Where is...->Where am I?**
2. To refocus on circle after user pans/zooms or does a search press **Option->Where is...->Center Where Am I** . Auto focus on circle is automatically disabled whenever user pans map, zooms in/out of map, or selects and item from search result list.

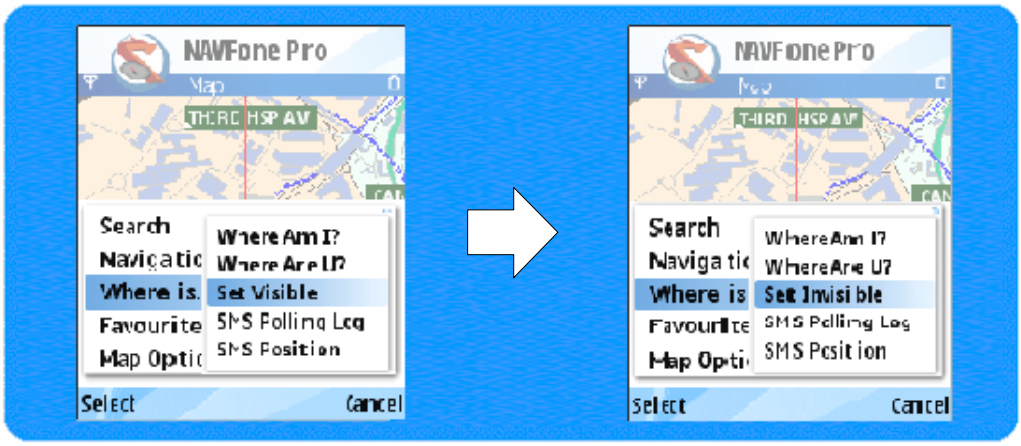
Your current location will be indicated with a green circle .
Also see 7.4 Send Pos To…

7.2 Where Are U?

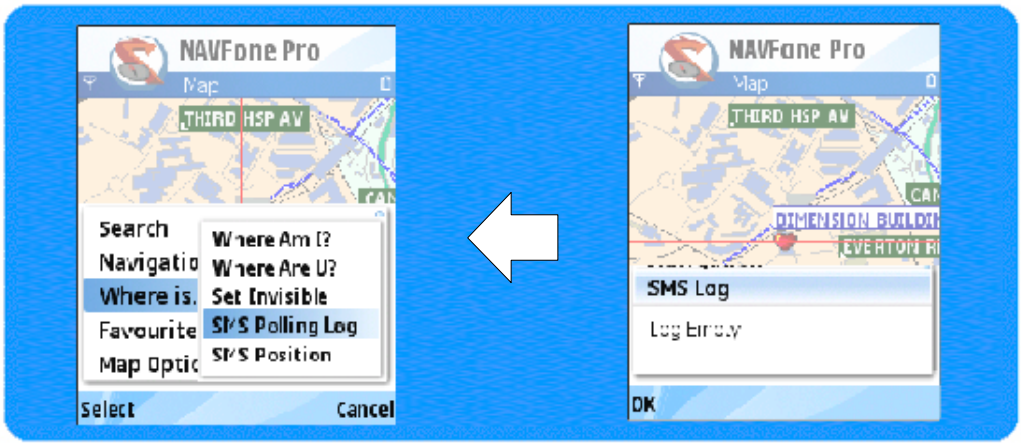


This command allows you to request the location of another user of NAVFone.

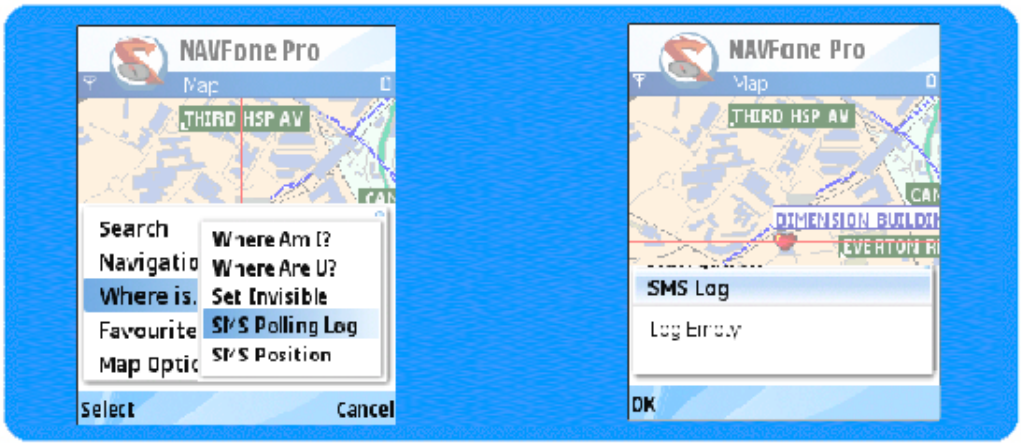
7.3 Set Visible/ Invisible



This command allows you to be or not to be located when a user of NAVFone try to request for your location.



7.4 SMS Polling Log



When the being-polled user is set to invisible mode, this command shows the sms log of who has been requesting for the location of the polled user. The message indicates the poller's handset number and the date and time of this message.

To check the sms polling log

1. Press **Menu** and select **SMS Poolling Log** from **Where is…**.

7.5 SMS Position

This command sends the position of location, where the cursor is in map, to another phone via SMS. The message indicates the position of location and the date and time of this message sent.

To send position

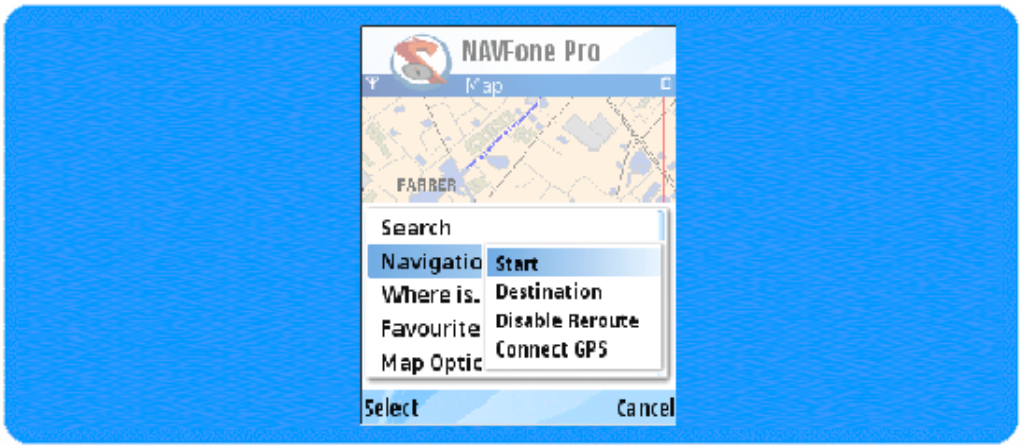
2. Press **Menu** and select **SMS Position** from **Where is…**.
3. You may type in a short message at the Attach Message dialog box.
4. Enter the recipient's mobile number using keys 0-9 or press **Options** and select **Add recipient** to add an existing number from phone number list.
5. Press **Ok** and to SMS your position to another NAVFone user.

If the recipient has NAVFone, a WP is created automatically with your mobile number and can be viewed on the map.

If the receiving party is also running the NAVFone, the message would be intercepted and appear as a waypoint zoomed in on the location. Normal sms would not be intercepted by the program.

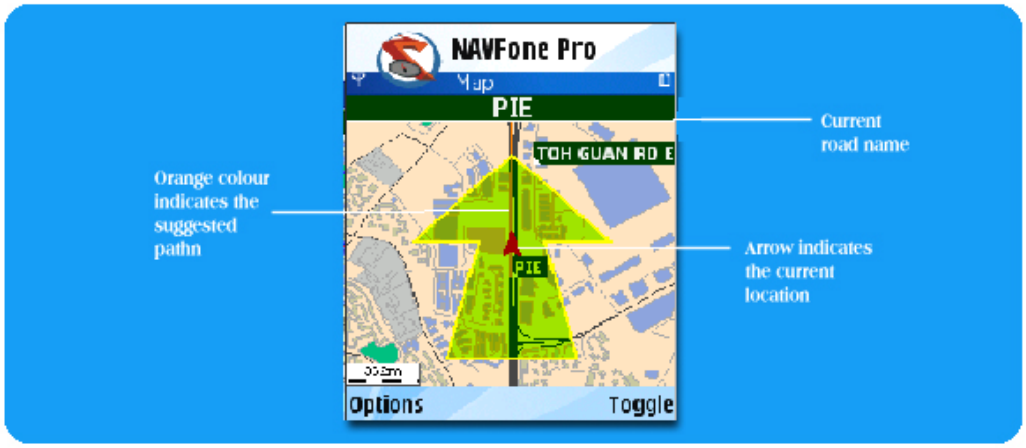
8.0 Navigation

Only NAVFone Pro allows you to navigation and connects to GPS.



Under the navigation options:

Start – defines the beginning point of your journey
Destination – defines the end point of your journey
Auto Reroute – Allows the software to automatically plan a route if you steer away from the suggested route.
Connect GPS – connects your phone via Bluetooth to Bluetooth GPS receiver. (does not come standard with the software)

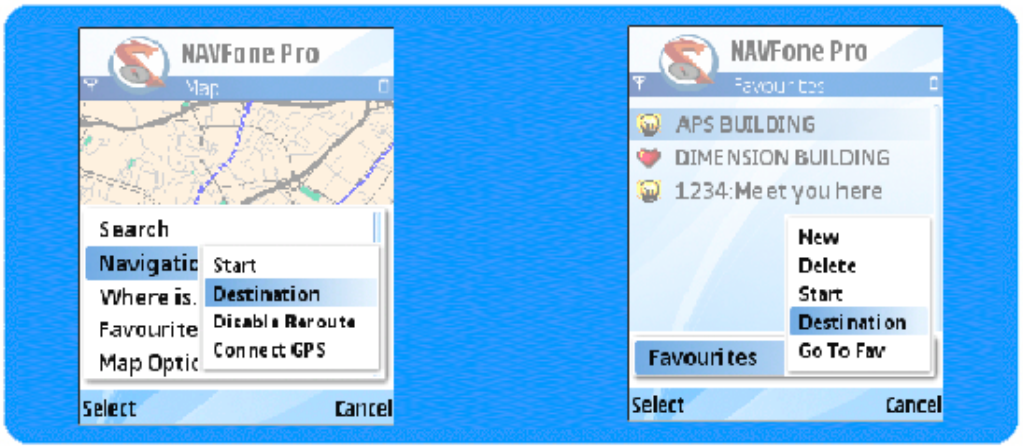


8.1 Planning your route (start point)

To begin, select your start location (base on current cursor position).
Click Menu, and then navigation - > Start. This marks the location as your start point. Alternatively, you can set it from your WP viewer window.

8.2 Planning your route (destination point)

Do a search for your destination by going SEARCH. Enter the keyword of the place you would like to travel to. When the result appears, click on the link to zoom to your destination which is highlighted on your map.



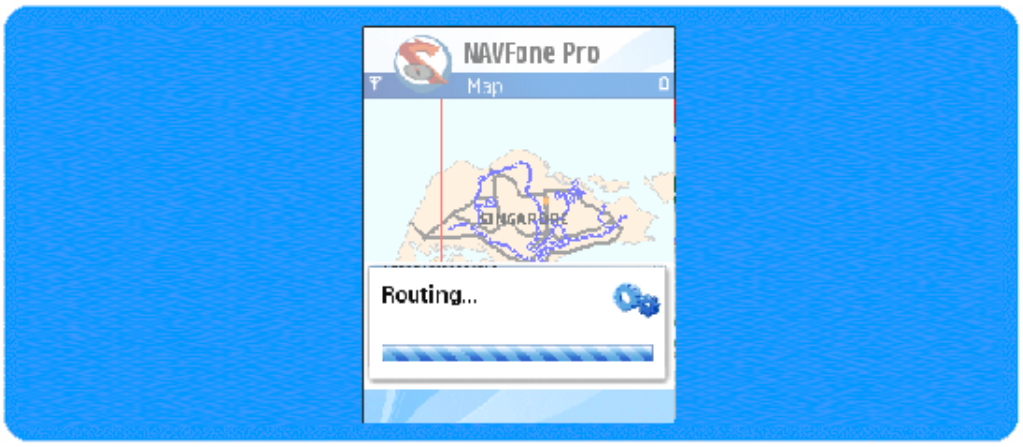
Click Menu and then navigation ->Destination. This marks the location as your end point. Alternatively, you can set it from your WP viewer window.

8.3 Routing

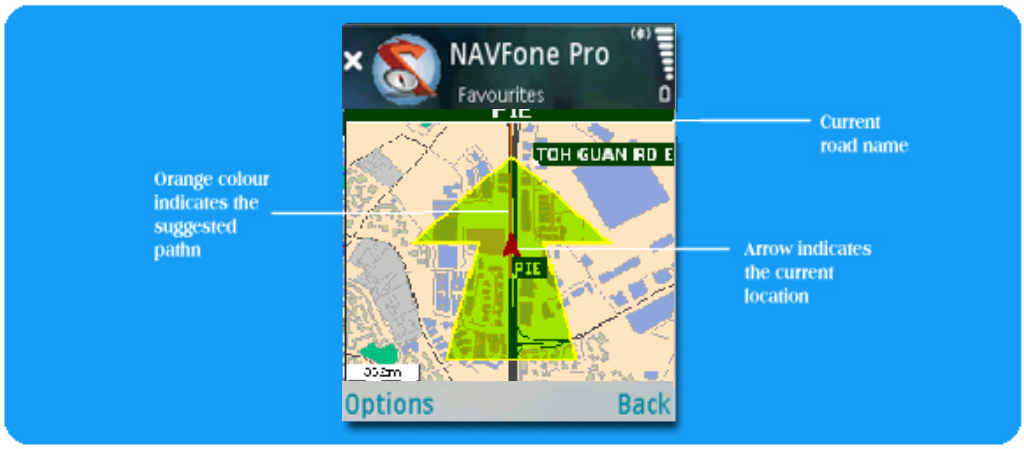
Upon selecting your destination, the software will request to connect to a GPS receiver via Bluetooth. Please ensure you have:

1. Paired your Bluetooth receiver prior to using NAVFone pro.
2. Switch on your Bluetooth comport

The software will then begin to plan a route (see image below)

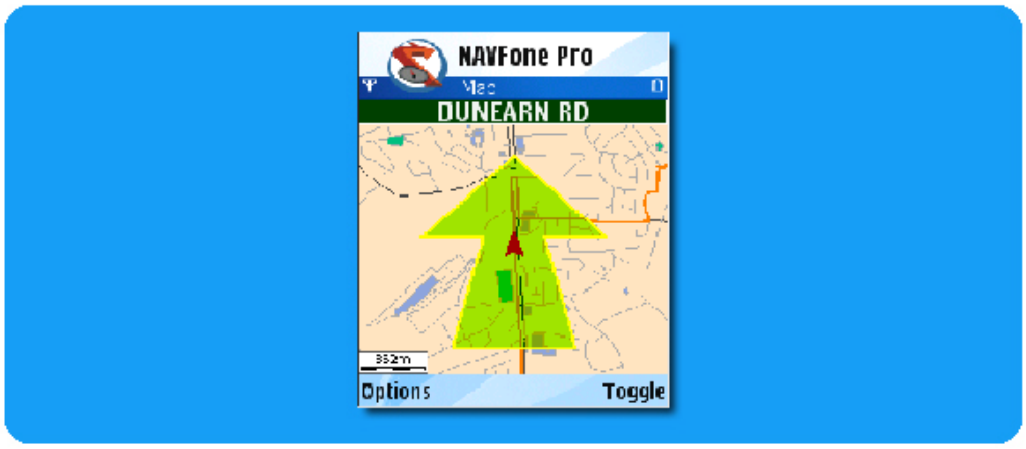


The route will then be shown on the map (highlighted in orange). If you have GPS connection and outdoor with GPS locked, the map will also indicate your current position with a red arrow.



8.4 Replaying a simulated route

You can choose to replay a route that NAVFone pro have generated.



During playback, there will be a green arrow showing next turn. It will also include voice prompts during the routing.

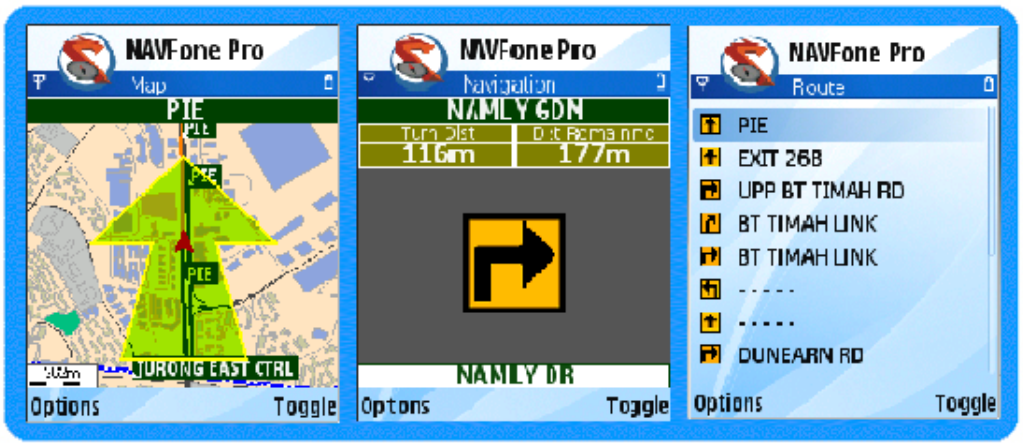
You can also choose to toggle to a different view by clicking on Toggle.

8.5 Toggle view

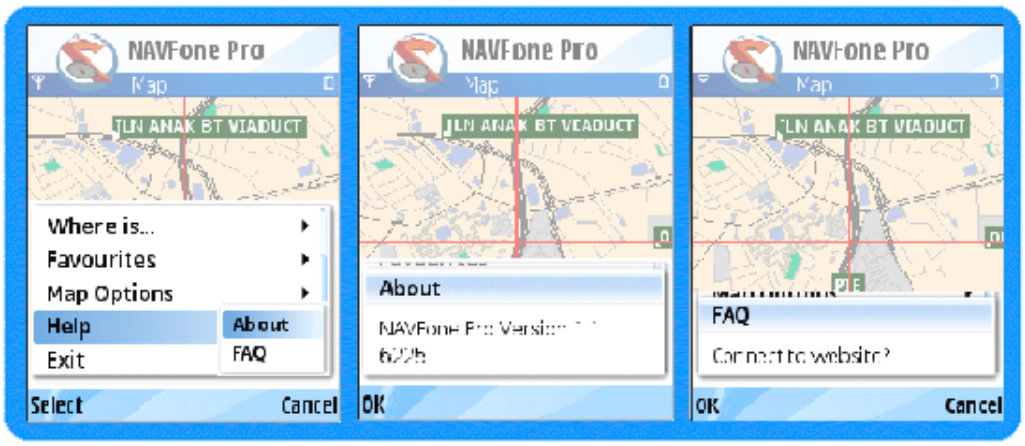
There are 3 type of display mode for routing.

1. Full maps feature.
2. Arrow indicator (no maps in the background)
3. Text based (clear road name and small arrow indication only).

All 3 modes will still include voice navigation capabilities.



9. Help



Help-> About shows the version of the software.
Help- >FAQ calls the built in phone browser to our online website for online support.