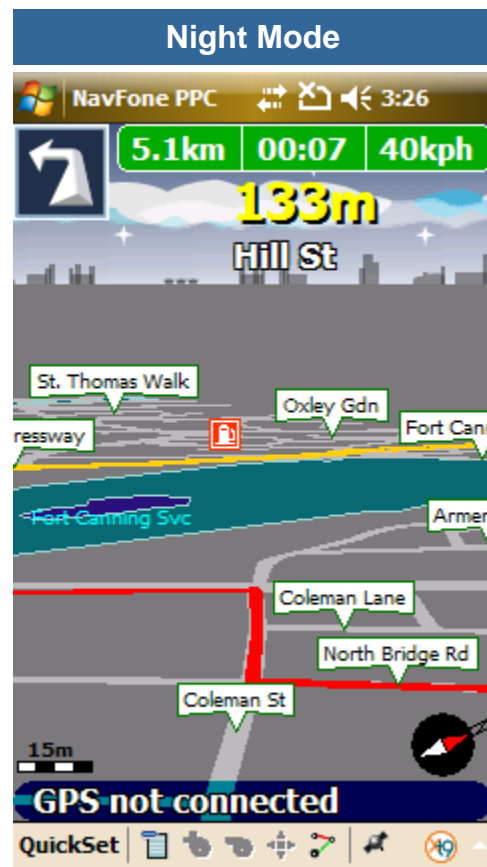
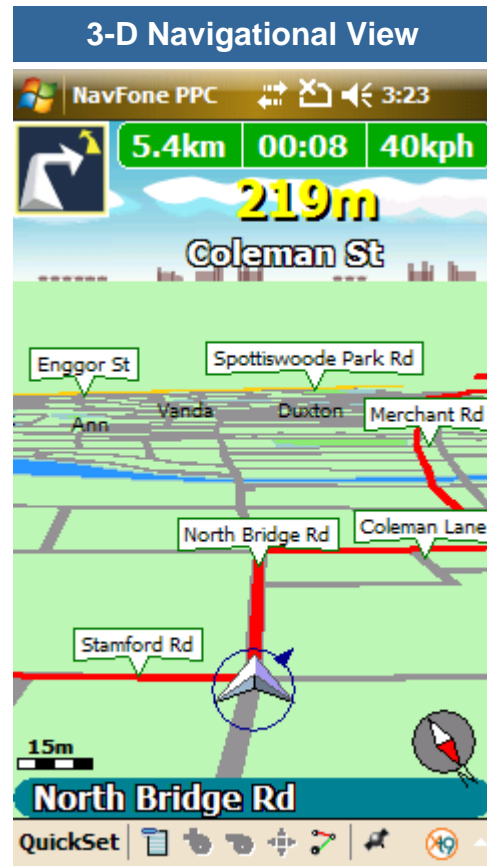
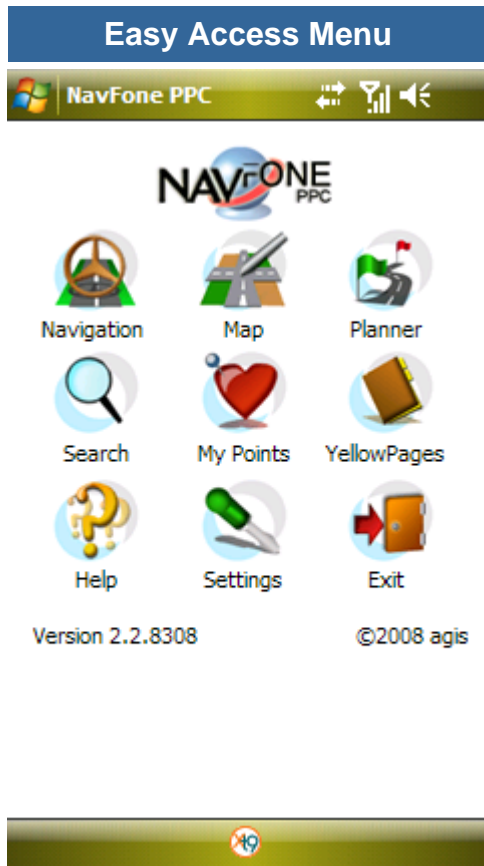

NAV FONE

PPC

by  AGIS®

USER MANUAL (Version 2.2XXXX)
1ST EDITION

Features Overview



Enhanced Routing

NavFone PPC 3:16

Route Planner ✕

Start: SWITCH

End:

Route Options:

Auto Reroute Avoid ERP

What's Nearby

NavFone PPC 3:33

What's Nearby? ✕

Range:

Result: 50 items

| Landmark Name | Dist | View |
|----------------------------|-------|------------------------------------------|
| Singapore Cricket Club | 96 m | <input type="button" value="View"/> |
| Padang | 129 m | <input type="button" value="End Pt"/> |
| Victoria Concert And ... | 168 m | <input type="button" value="My Points"/> |
| Satisfaction Pub | 174 m | |
| Esplanade Park | 182 m | |
| Victoria Theatre | 194 m | |
| Kenko Reflexology & ... | 285 m | |
| Empress Place | 287 m | |
| Singapore Recreation ... | 293 m | |
| A Tai Tais Toy - Kakoi ... | 297 m | |
| Burnaby Entertainment | 297 m | |
| Bar Opiume | 303 m | |
| Indochine Bar & Resta... | 303 m | |
| Club L.A. KTV & Music ... | 339 m | |
| Kenko Reflexology & ... | 348 m | |

Point Manager

NavFone PPC 3:17

My Points Manager ✕

Cat:

- S'pore Zoo [80 Mandai Lake Rd 729826]
- Raffles Av
- AGIS Private Limited [49 Jalan Pemimp]
- VivoCity [1 Harbourfront Walk 098585]
- 226G Ang Mo Kio Avenue 1 [567226]
- 1 Bishan Street 13 [579790]
- Galleria Corporate Center
- 6750 Ayala Avenue Office Tower _Carp
- 6750 Ayala Avenue Office Tower _Carp

Auto GPS Connection

NavFone PPC 3:15 ok

GPS Connection








Auto-Detect User-Defined

Port:







Baud rate:

Quick Reference



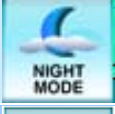


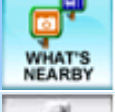
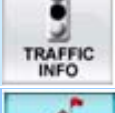

Main Menu

| BUTTON | DESCRIPTION | FUNCTION |
|--------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------|
|  Map | Map View | To view, find and locate points-of-interest on a map |
|  Planner | Planner | Route planning / Navigation |
|  Search | Search | Queries a location and displays it on the map |
|  My Points | My Points | Listing of saved favorites |
|  Settings | Settings | Change various settings |
|  YellowPages | Yellow Pages | Search via Yellow Pages Singapore listings |
|  Exit | Exit | Exit Application |

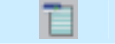



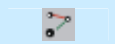

Settings Menu

| BUTTON | DESCRIPTION | FUNCTION |
|--------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------|
|  QuickSet | Quick Set | Quick set of Map menu |
|  Navi Disp | Navi | Customize the Navigation display |
|  Audio | Audio | Allow different audio and language settings |
|  Map | Map | Switching of other maps |
|  Reset | Reset To Factory | Restore factory settings |
|  | Main Menu | Return to main menu |

Navigation Quick Access Menu

| BUTTON | DESCRIPTION | FUNCTION |
|-------------------------------------------------------------------------------------|----------------------|----------------------------------------------|
|  | Navi Off | Turn Navigation Off/ On |
|  | Centre On GPS | Centre GPS in the middle of the screen |
|  | Night Mode | Toggle between Night and Day mode |
|  | 2D Mode | Toggle between 2D and 3D navigation mode |
|  | Search | Quick access to Search |
|  | Nearby | Quick access to What's Nearby menu |
|  | Traffic Info | Live Traffic information (not available yet) |
|  | Show Trace | To show a trace of the journey traveled |

Map Window Toolbar

| BUTTON | DESCRIPTION | FUNCTION |
|-------------------------------------------------------------------------------------|-----------------------|---------------------------------------------|
|  | Main Menu | Return to main menu |
|  | Zoom In | Zoom in at fixed scale |
|  | Zoom Out | Zoom out at fixed scale |
|  | Zoom Extents | Zoom out to show outline of city or country |
|  | Route Planner | Quick access to route planner menu |
|  | GPS Connection | Check GPS and other GPS-related functions |

QuickSet Menu

| MENU ITEM | FUNCTION |
|------------------------|----------------------------------------------|
| Heading Up | Keep map pointed upwards during navigation |
| Night Mode | Toggle between Night and Day mode |
| Show POI Labels | Show roads and buildings name |
| Show POIs | Show Points-Of-Interest on map |
| Show Scale | Show approximate scale ratio |
| Show Compass | Show compass |
| Simulate | Simulate a planned route if no GPS available |

Background

Re-Branding of AGIS NAVIGATOR

As part of a re-branding process, AGIS NAVIGATOR is re-branded as NAV^{FONE PPC} and belongs to the NAV^F family of products. Other products include NAV^{FONE SYMBIAN}, NAV^{FDRIVE} and NAV^{FCARE}. For more information on the other products by Asia GIS Private Limited, visit <http://www.agis.com.sg>.

About NAV^{FONE PPC}

NAV^{FONE PPC} is a digital street directory that allows you to display maps on your Personal Digital Assistant. The main window in NAV^{FONE PPC} is the map window. Located at the bottom of the screen are the icons toolbar and menu commands toolbar. The icons toolbar provides zooming and panning capabilities to facilitate map navigation. Waypoints, with text labels, can be created to mark specific positions of interest on the map. Map features can be located through a simple query by keyword, after which, they are reflected in the map window.

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Email: agis@asiagis.com.sg

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Please note

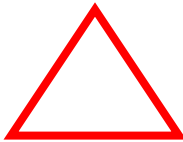
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Caution

Caution set out in this manner indicates that failure to follow instructions might result in loss of lives.



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:

| | |
|------|-----------------------------------------|
| PDA | Personal Digital Assistant |
| GPS | Global Positioning System |
| SMS | Short Message Service |
| NMEA | National Marine Electronics Association |
| WP | Way Point |





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This Agreement shall be construed in accordance with, and its performance governed by, the laws of the Republic of Singapore. The parties agree to submit to the exclusive jurisdiction of Singapore Courts. If any provision of this Agreement is finally held to be unenforceable, that provision will be deleted from this Agreement but will not affect the validity of the remainder of this Agreement. LICENSEE expressly agrees that every limitation of liability, disclaimer of warranty, and exclusion of damages in this Agreement is severable and independent of any other such provision, may be enforced as such, and will remain in effect even if a remedy of LICENSEE is held to have failed of its essential purpose. All rights not specifically granted in this Agreement are reserved by **AGIS**.

Headings

The heading in this Agreement are only for the convenience of the parties.

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Safety Information

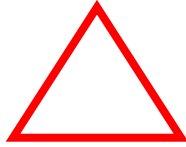


Warning!

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.

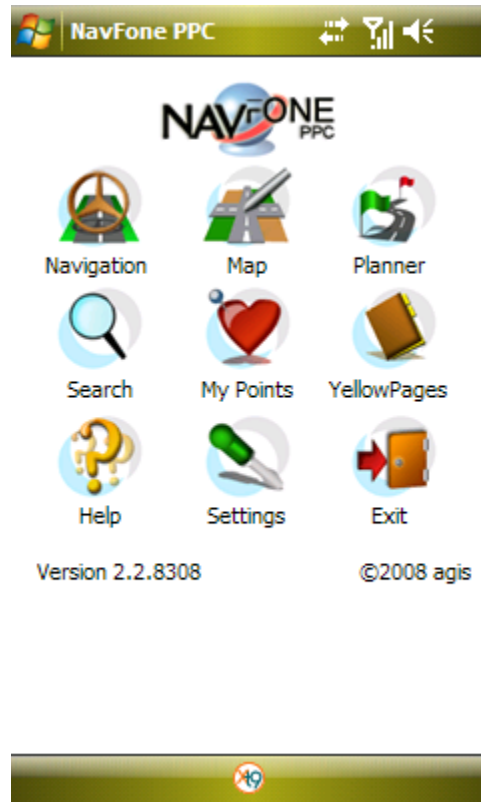
Asia GIS Private Limited shall not be liable for any loss or damage caused by the usage of the system.

Important Information



1. **NAV^{FONE PPC} license is specific to your Personal Digital Assistant (PDA) and PDA phones and it is not transferable.**
 2. In the event of an **upgrade of PDA** (within 3 months), user can bring in their old and new PDA. We will enable the transfer of **NAV^{FONE PPC}** to the new mobile phone. **Administrative charges will apply.**
 3. The **serial number** provided with the **NAV^{FONE PPC}** is for installation on a **single PDA only**. Please keep it at a safe location. **Asia GIS Private Limited** will not be liable for misplace or misuse of the **serial number**.
 4. When **NAV^{FONE PPC}** program is lost due to **loss, damage or repair of PDA**, **Asia GIS Private Limited** 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.**
 5. As map data is always changing, **updates can be purchased** from our website www.asiagis.com.sg.
 6. **NAV^{FONE PPC}** has been fully tested on a limited range of PDA in a given time frame. As PDA specification varies among models and/or batches, **Asia GIS Private Limited** will not be liable for any **incompatibility issue**.
-

1.0 Getting Started



NAVFone PPC Main Menu

The **NAVFONE PPC** 2.0 is an advanced and intelligent information system that harnesses the cutting edge technology of Global Positioning System (GPS) and Geographical Information System (GIS) to provide detailed street level navigation system.

The map data can be purchased at <http://www.agis.com.sg>.

In this section, you will learn about:

- What are the system requirements?
- Installing the **NAVFONE PPC** 2.0
- Starting **NAVFONE PPC** 2.0

1.1 What are the system requirements?

- PDA
 - Running on either one of the Operating Systems
 - Windows Mobile 2003
 - Windows Mobile 5.0
 - Windows Mobile 6.0
 - Memory size of about
 - Application 11MB
 - Singapore 25MB
 - Malaysia 57MB

Please visit www.agis.com.sg to have an updated list of compatible PDA.

- Desktop or laptop
 - Pentium-class PC with Microsoft Windows Version 98, 98SE, 2000, ME or XP Operating System
 - 40MB of free disk space
 - CD-ROM drive
 - One available serial or USB port for ActiveSync
 - Microsoft ActiveSync 3.5 and above installed




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

1.2 NAVFone Application Installation

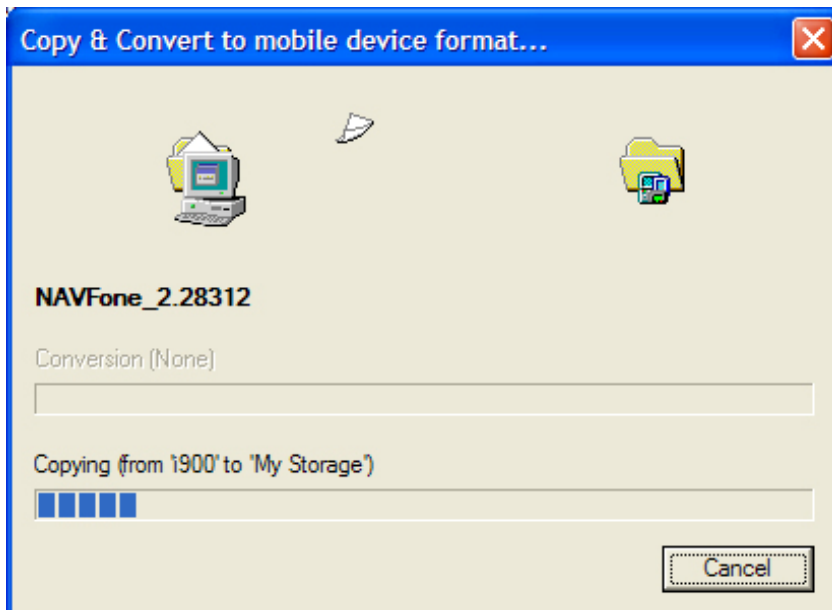
- Setup
 1. Install ActiveSync if it has not been installed on your computer.
 2. Connect the PDA cradle to the PC serial or USB port
 3. Place the PDA on the cradle and power on the PDA
 4. ActiveSync will initiate connection

When connecting the PDA to the PC for the first time, you will be prompted to install a driver from a CD provided with the PDA.

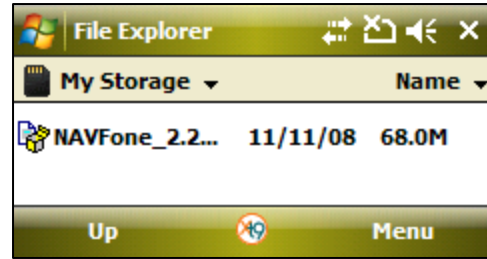
Step 1: Download and save the installer file to a PC.

| Name | Size |
|-------------------------------------------------------------------------------------------------------|-----------|
|  NAVFone_2.28312.CAB | 69,672 KB |

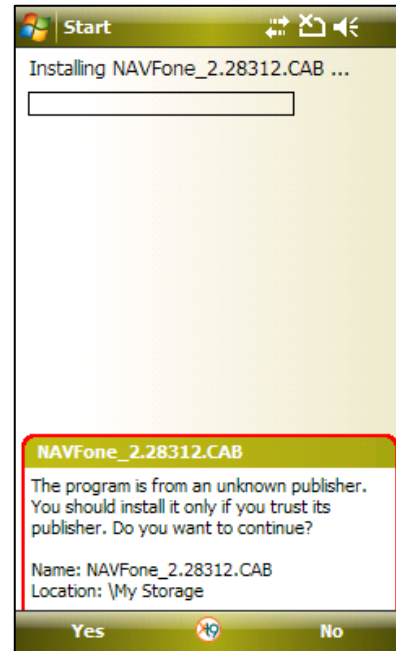
Step 2: Transfer the installer to the Windows Mobile device.



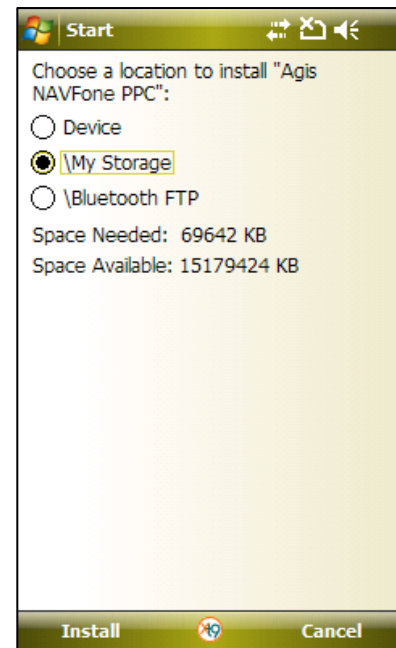
Step 3: Using the “**File Explorer**” on Windows Mobile device, browse into the folder where the installer was copied. Tap on the “**NAVFone_2.2...**” to start the installation.



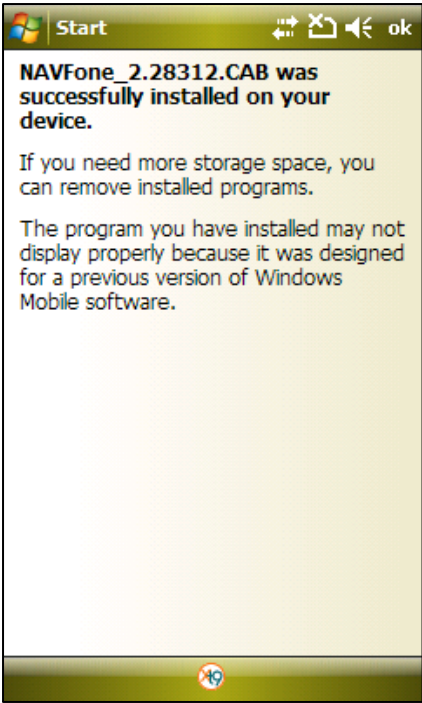
Step 4: Tap on “**Yes**”.



Step 5: Select a storage location. Ensure there is sufficient memory space on the selected location. Tap on “**Install**” to continue

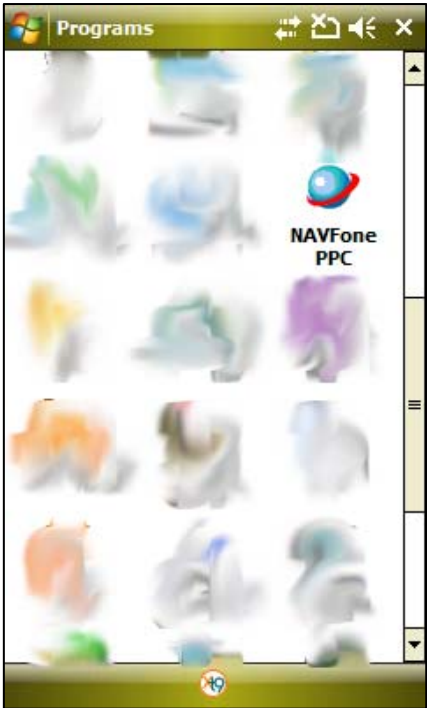


Step 6: Installation complete.



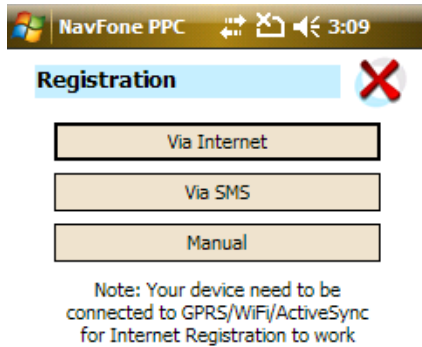
Step 7: The NAVFone icon is now available on the Programs menu.

Upon completion, run the NAVFone application to activate.



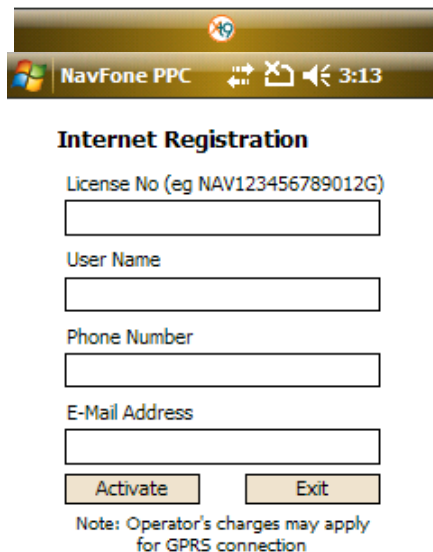
1.3 Getting Activated and Registered

On first start-up, you will be brought to your application registration page.



Select your preferred method of activation.

- **Via Internet** (For Windows Mobile device with Internet connectivity)
- **Via SMS** (For Windows Mobile PDA phones)
- **Manual** (any Windows Mobile device)

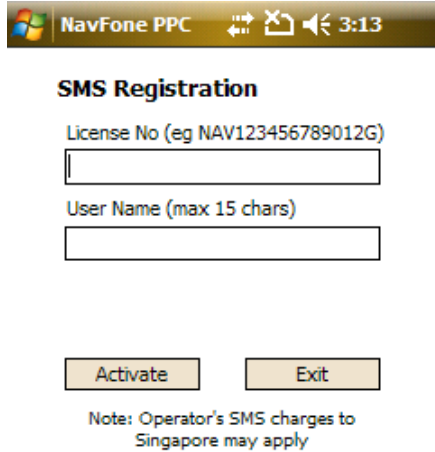


Registration Via Internet

Key in the required information and tap on the Activate button. An internet connection will be made to our server for authentication and software activation.

Note that if telco data charges will be incurred if connection is made via GPRS.





SMS Registration

License No (eg NAV123456789012G)

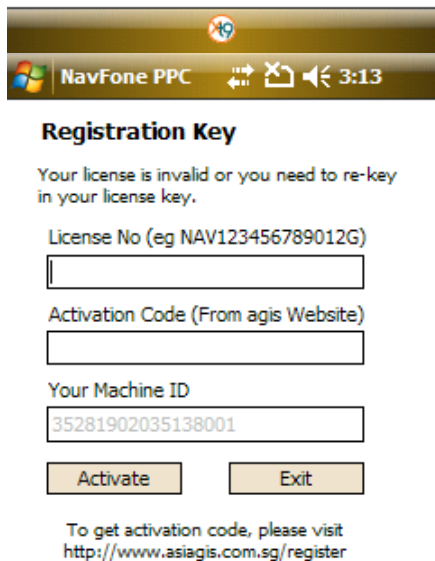
User Name (max 15 chars)

Note: Operator's SMS charges to Singapore may apply

Registration Via SMS

Key in the required information and tap on the Activate button. An SMS will be sent to our server for authentication and software activation. An activation SMS is be receive upon successful authentication.

Note that normal outgoing SMS charges will be incurred.



Registration Key

Your license is invalid or you need to re-key in your license key.

License No (eg NAV123456789012G)

Activation Code (From agis Website)

Your Machine ID

To get activation code, please visit <http://www.asiagis.com.sg/register>

Manual Registration

Step 1: Take note of the Machine ID.

Step 2: Visit the NAVFone activation website at www.asiagis.com.sg/register



NAV^{FONE} PPC Registration Page

At the registration page,
 Step 1: Enter your particulars, followed by the License Number and Machine Number displayed on your device screen.

Step 2: Click on 'Submit' to proceed. You will receive an Activation Code. Note this Code.

Return to your application on your PDA,

Step 1: Return to your application registration page and enter your Activation Code.

Step 2: Click on 'Activate'.

Subsequently, you will also be required to activate each new map you purchased. From the Load Map screen, repeat the above steps.

1.4 Load Maps on Start-up

When starting the NAV^{FONE} PPC 2.0 for the first time, you will be brought to the main menu. To load maps, follow the instructions below.



Load Map Screen

Loading map layers

- Upon launching NAV^{FONE} PPC,
1. Tap **Settings** from the Main Menu.
 2. Tap **Map** in the Settings Menu.
 3. Select the Map layer.

Subsequent loading of new maps

When you download new maps, you would be required to register these maps before you can load these maps for use.

1. Click on **Register Map**.
2. Follow the same procedures in *Getting Registered and Activated*.

Memory size and processor speed of PDA.

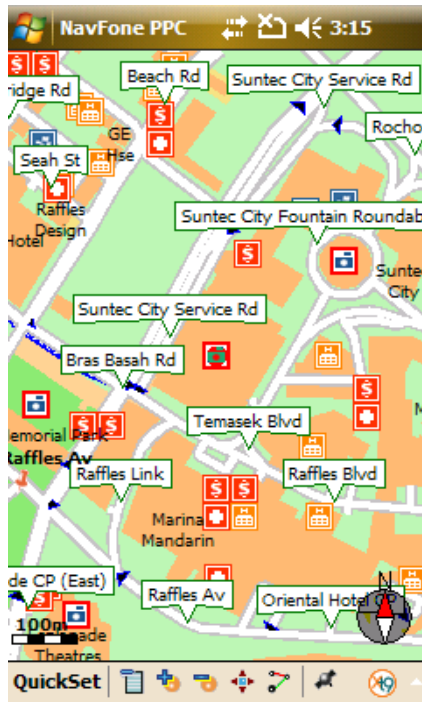


Loading large maps slows down the processing speed of the PDA. At times, PDA might hang due to overloading. You will have to perform a soft reset when this occurs. Please refer to the PDA manual for instructions to perform a soft reset. **DO NOT** perform a hard reset as all data and program will be lost

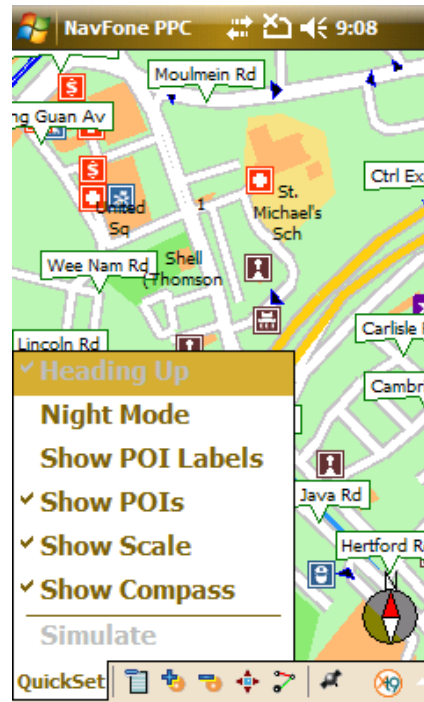
2.0 Using NAV^{FONE PPC} 2.0

Now that you have installed NAV^{FONE PPC} 2.0 on your PDA, you are ready for the experience of a life-time.

2.1 Introducing the Navigation Map Window



Navigation Map Window




QuickSet Provides Settings Shortcuts

QuickSet Menu


| DESCRIPTION | FUNCTION |
|------------------------|----------------------------------------------|
| Heading Up | Keep map pointed upwards during navigation |
| Night Mode | Toggle between Night and Day mode |
| Show Annotation | Show roads and buildings name |
| Show POIs | Show Points-Of-Interest on map |
| Show Scale | Show approximate scale ratio |
| Show Compass | Show compass |
| Simulate | Simulate a planned route if no GPS available |

Navigation Map Toolbar


Zoom In

Tap the Zoom In button  and the map will zoom in by a factor of 2.


Zoom Out

Tap the Zoom Out button  and the map will zoom out by a factor of 0.5.
Zoom Extents

Zoom Out

Tap the Zoom Extents button  and the map will zoom out to show the outline of the selected country. Refer to section 2.2 Planner for detail description.

Route Planner

Tap the Route Planner button  for quick access to the route planner menu for navigation.

Pan

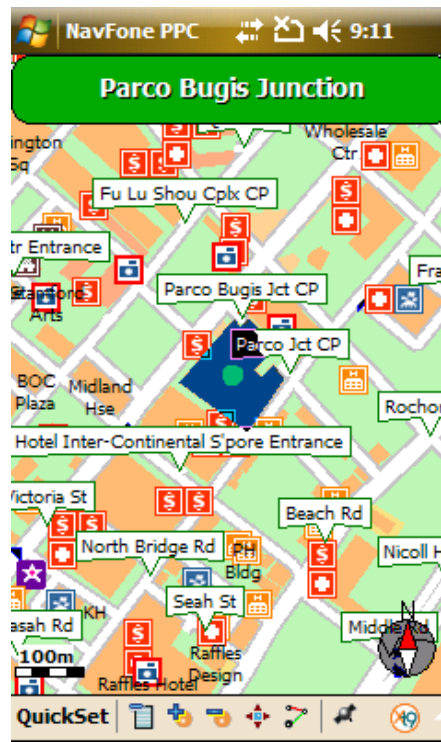
Use the stylus and drag over the map window to do a pan operation. The panning operation include

- Pan Left – move to the further left of the map
- Pan Right – move to the further right of the map
- Pan Up – move to the upper portion of the map
- Pan Down – move to the lower portion of the map

Select



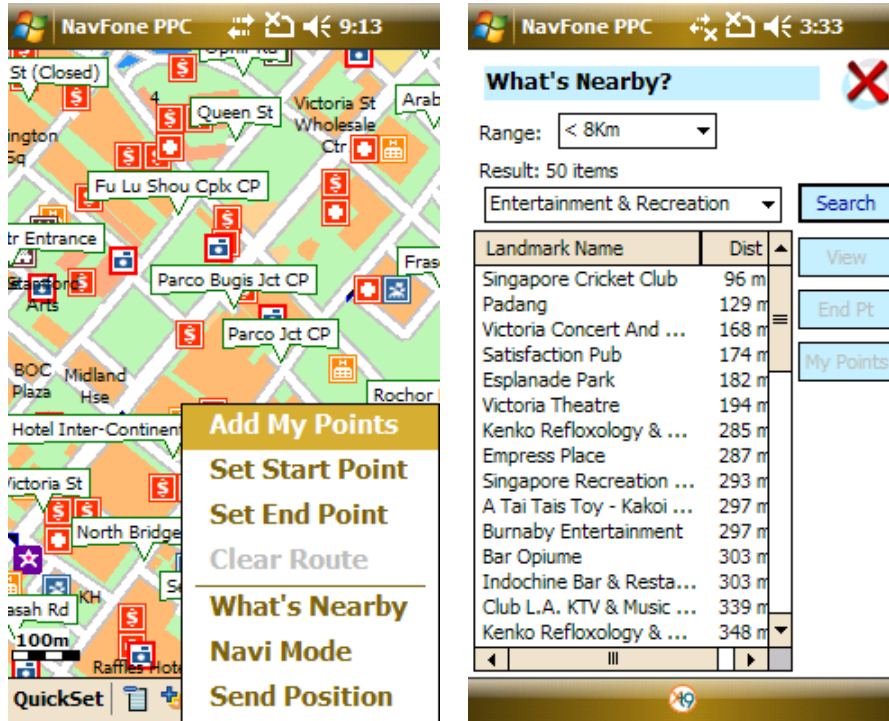
Quick Access Menu



NAV^{FONE} PPC Select Feature

1. Switch to **Navi Off** (navigation off mode) if it is in the navigation mode. Tap on the Map to bring up the Quick Access Menu. Tap on the **Navi Off** button on the Quick Access Menu.
2. The map will return to the 2-D view.
3. Use the stylus and tap on the place of interest to view the name.

What's Nearby

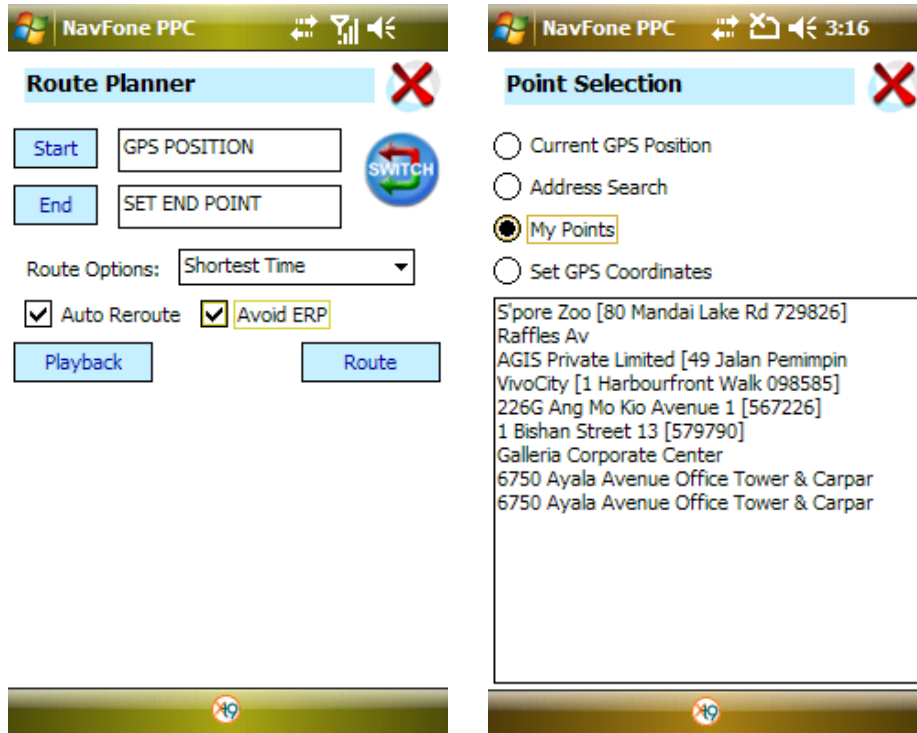


The feature allows the user to search for amenities in the vicinity of the current location.

1. Tap a location on the map and hold the stylus down for about 2 seconds.
2. Select **What's Nearby** from the pop-up menu.
3. Select the **Search Range** from the drop-down list.
4. Select one or more type of **Amenities** to search for by ticking the checkbox beside the name of the Amenity.
5. Tap **Search** to start searching.
6. The result of the search will be listed.
(If no result is found, the list will be empty.)
7. To view an item on the map, tap the item's name to select it, then tap the **View** button to go to the map view.
8. To search again, tap the **Back** button. Then repeat Steps 3 to 5.
9. To exit without selecting any item, tap the "OK" button

Refer to 3.3 *Quick Access Menu and Pop-Up Menu* for more options of using the map view.

2.2 Planner



Route Planner Screen

Point Selection Screen

This allows the user to obtain a recommended route between 2 locations on the map.

In order to perform a route computation, a start location and an end location must be selected.

Set Start Position

Tap on the **Start >** to select the start location from 3 different choices:

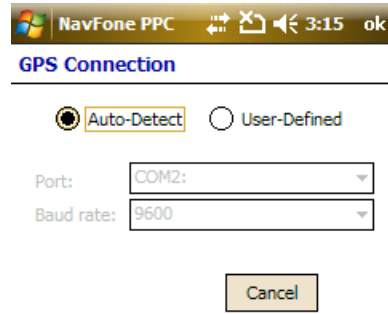
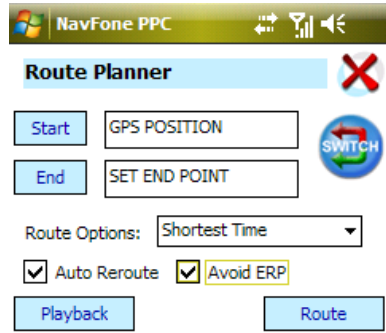
| | |
|-----------------------|-------------------------------------------------------------------------------------|
| GPS Position | If there is a GPS device available, the start position will be at the GPS location. |
| Address Search | Access to the search menu for address lookup. |
| My Points | Choose from your previously saved favorites. |

Set End Position

Similarly, Tap on the **End >** to select the end location from 3 different choices:

| | |
|-------------------------|-------------------------------------------------------------------------------------|
| Set GPS Position | If there is a GPS device available, the start position will be at the GPS location. |
| Address Search | Access to the search menu for address lookup. |
| My Points | Choose from your previously saved favorites. |

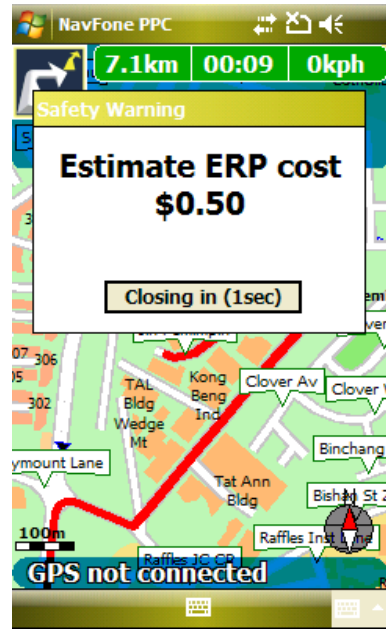
Computing the Route



Select A Route Option

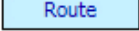


GPS Connection Screen



Navigation View

1. After selecting the Start and End locations, user can select the routing method (either Fastest or Shortest route from the “Route Options”).
2. Leave the “Auto Reroute” checked to allow automatic rerouting towards the set destination should the user travel onto the wrong route.
3. Check "Avoid ERP" to route via roads, if possible, avoiding ERP gantries.


4. Tap the  icon to start the route computation.
5. The application will then show the “GPS Connection” menu and prompt the user to connect to an external / internal GPS device
 - **Auto-Detect mode:** Select this if you are not sure which COMM port your GPS device is connected to.
 - **User-Defined mode:** User can manually select the desired COMM port.
6. Once the GPS is connected and upon after a route plan is established, the application will show the recommended route in the Navigation menu.
7. If the user does not have an internal/ external GPS device available, the user can “Cancel” out of GPS Connection menu and the application will show then show the navigation menu. User can then simulate the routing by tapping on the “QuickSet” then “Simulate”.
8. The Navigation View will appear. The estimated ERP cost is shown when available.

Note:

- To perform another route computation, exit to the main menu then go into Planner menu.
- If a GPS device is connected and the user travels along the recommended route, voice turning instructions will be given at the 500m, 200m junctions and before the junction itself. In addition, turn directions will be clearly displayed on the map screen.

Reverse Position Setting



Tap the  Reverse button to reverse the starting and destination points.

Route Options

The Route Options drop down list allows user to choose:

- Shortest Time
- Shortest Distance


Auto Reroute

If GPS connection is lost or should the user accidentally go off track from original intended position, the Auto Rerouting will automatically re-plan a route path for the user.

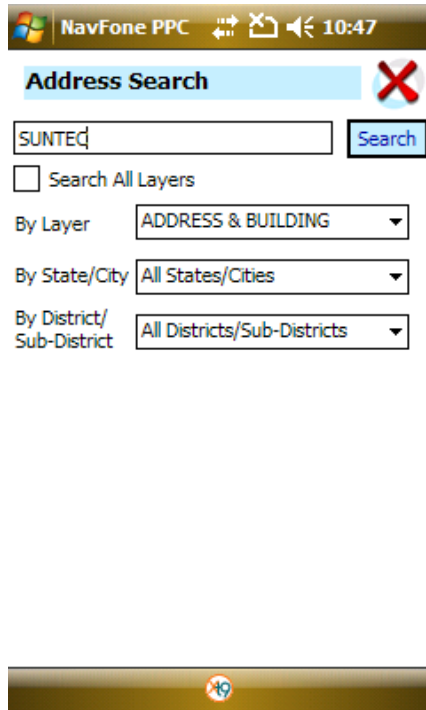
Playback Functions

The Playback Functions allow the user to load previous “Traced” route and run a simulation of the route path.

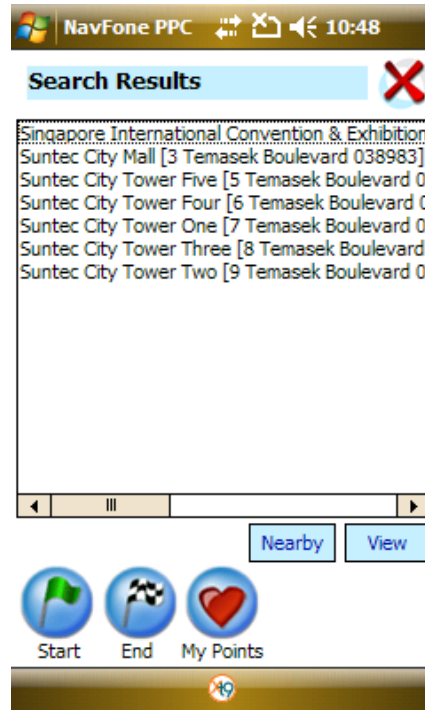
Return to Main Menu

Click on the  icon located at the left of the “ROUTE PLANNER” to exit to Main Menu.

2.3 Search



Address Search Screen



Search Results Displayed

Search All Layers

All search are default to search all unless the user uncheck the box

By Layer

- User can choose to do selective search by specifying the category i.e. Address, ATM, Bank, Building, Bus Stop etc.

By State

- The search can be sped up considerably should the country have several states.

By Cities

- The search can be sped up considerably should the country have several cities.

Note:

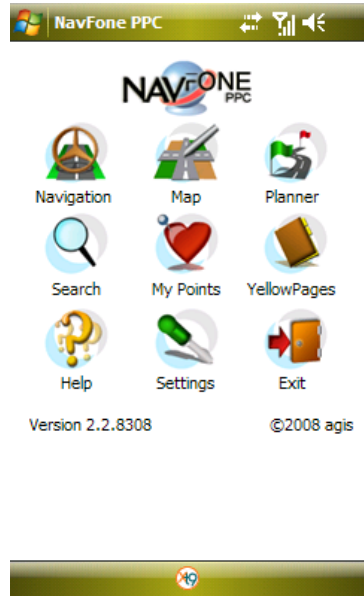
From the returned result, user can

- View the location via map view
- Look for What's Nearby of the address
- Set Start / End for Navigation purposes
- Add to Favourite list

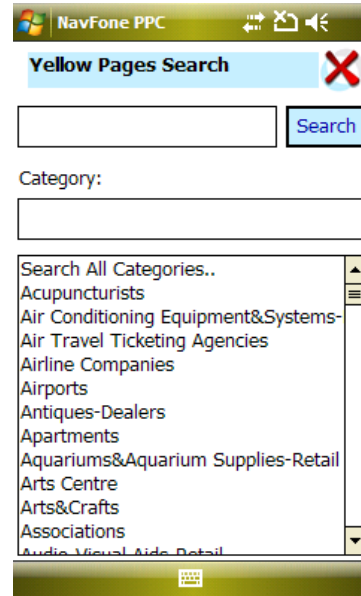
2.4 Yellow Pages Search

Search Via Yellow Pages Singapore

This allows the user to search via Yellow Pages Singapore category listings.



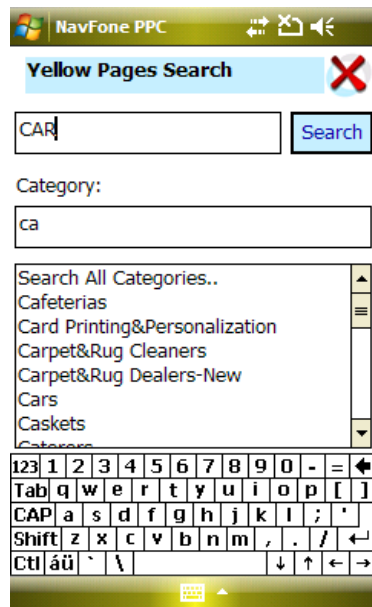
Yellow Pages icon



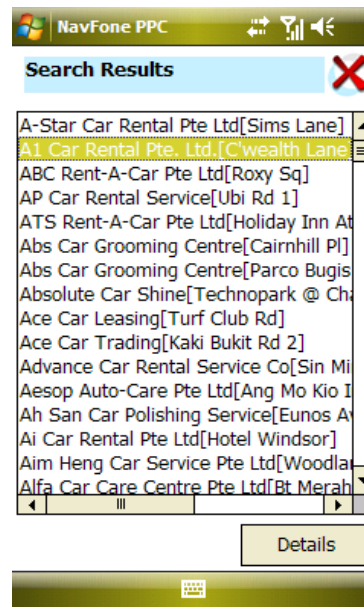
Yellow Pages Search




1. Tap on **YellowPages** at the NAVFONE PPC Main Menu to access Yellow Pages Search.



Search Screen

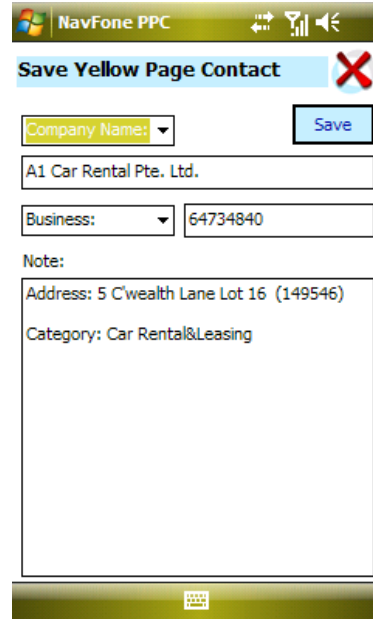


Search Results Displayed


2. Key in the search keyword.
3. Select a Category or Search All Categories
4. Tap on 
5. Select the item from the results listing and tap on **Details**.



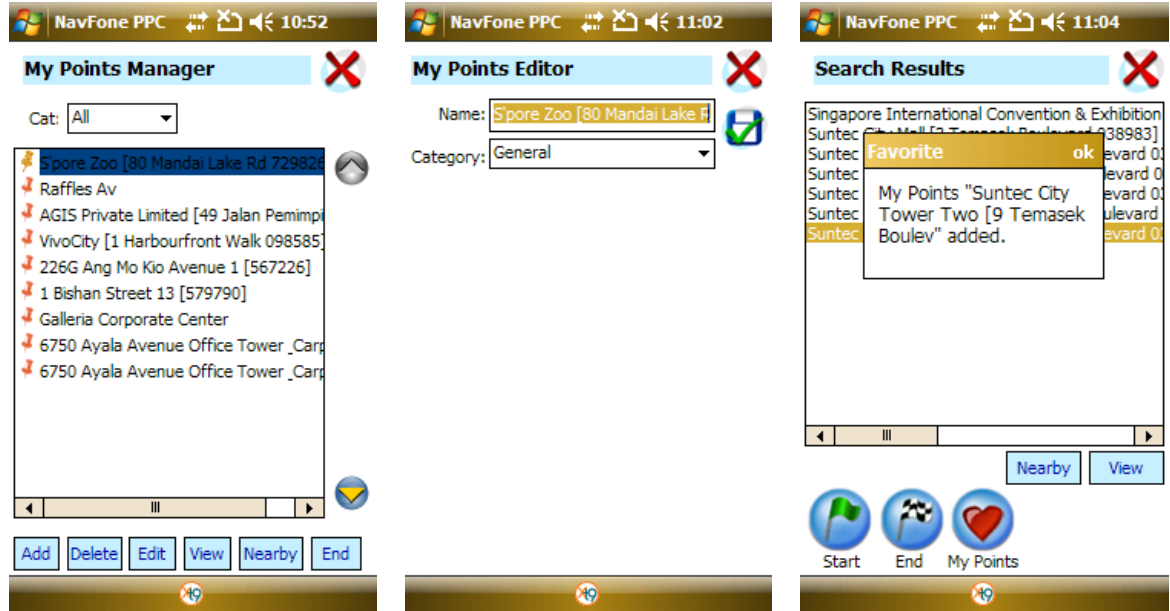
Item Detail Screen



Save YP Contact Screen

6. Tap on **View** to view the item location.
7. Tap on **My Points** to save item as favourite.
8. Tap on **End** to set item as the navigation destination.
9. Tap on  to save the item contact details to Address Book.

2.5 Yellow Pages Search My Points (Waypoints)



Point Manager Screen


Point Editor To Edit Point Name or Category

Adding a Favorite Point Through Search Results

Acquiring Waypoints

There are several methods to add waypoint to the default waypoint file.

First Method

1. From Point Manager Menu, tap the “Add” button.
2. User will be brought to the Search Menu (refer to section 2.3 Search) for details.
3. Once the results are displayed, user can tap the Favourite icon  My Points to create new waypoints.

Second Method


1. From the map view, tap and hold the stylus over the desired location for about 2 seconds.
2. Select “Add Favourite” from the pop-up menu and a new waypoint will be created with a default icon.
3. The application will then show the “Point Editor” menu. Change the naming

convention if desired and tap the “OK” icon  to save to favourite. Else tap

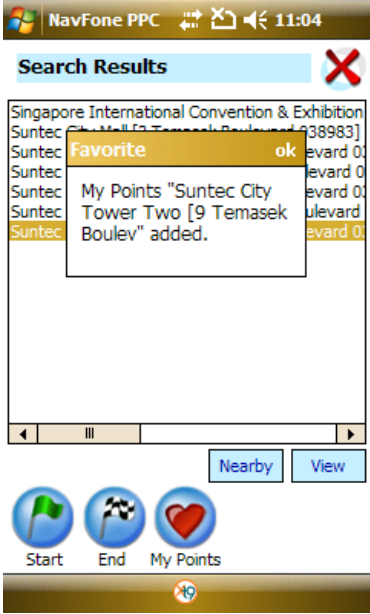
on “X” icon  to go back.


4. The application will then return to the map viewer window.

Third Method

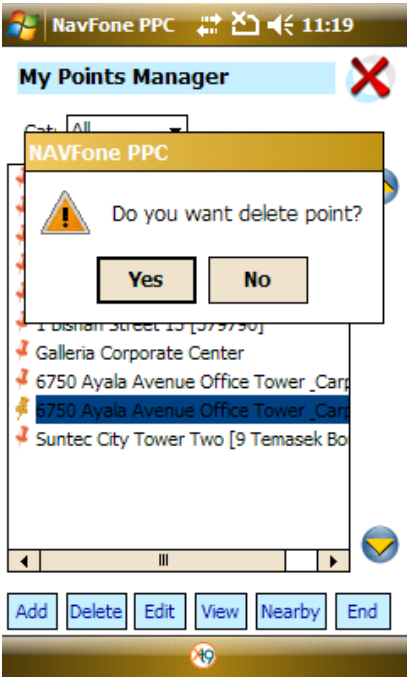
1. Use the **Search** feature and look for the desired location. Once the results are displayed, user can tap the Favourite icon  to create new waypoints.

My Points > Add



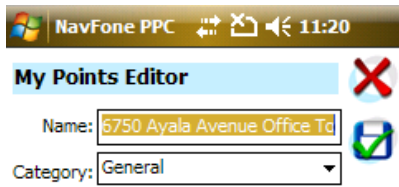
1. Tap the **Add**.
2. Address Search menu will show.
3. Search for desired address.
4. Tap the  icon to add to favourite.


My Points > Delete



1. Select the waypoints to be deleted.
2. Tap **Delete**.
3. Select "Yes" to delete the point.

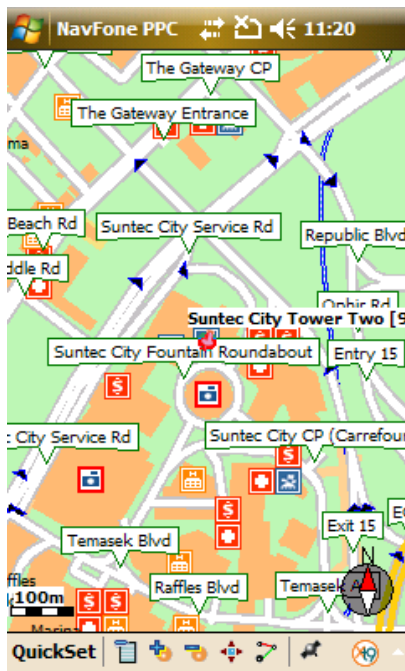
My Points > Edit




1. Select the waypoints to be edited.
2. Tap **Edit**.
3. Change the name of the waypoint to desired name from the text box.
4. Tap the “OK” icon  to save to favourite.

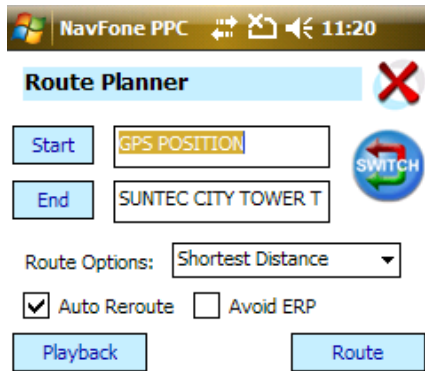


My Points > View



1. Select the waypoints that you wish to view.
2. Tap **View**.
3. The application will then show the selected favourite on the Map Viewer represented with the “pin” icon .

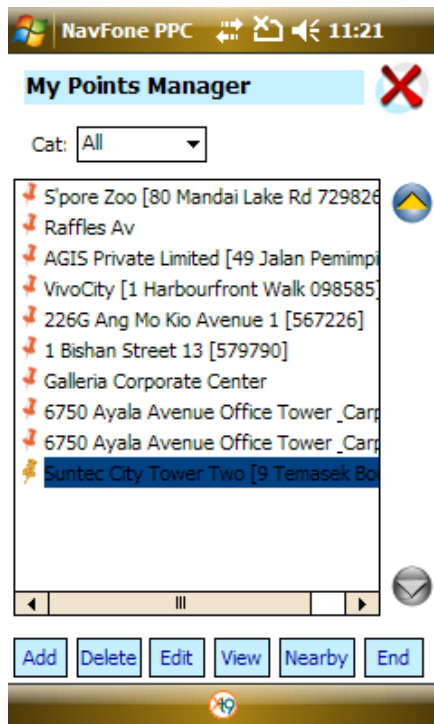
My Points > End





1. Select the waypoints that you wish to view.
2. Tap **End**.
3. User will be brought to the Route Planner Viewer with the selected waypoint as destination.

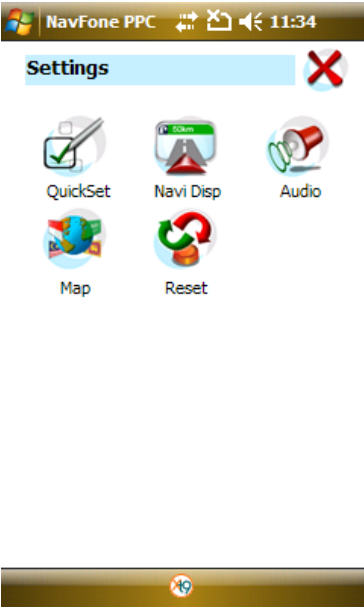


My Points > Move Up / Down



1. Select the waypoints that you wish to move.
2. Tap on **either** the  or  icon to move the selected waypoint up / down the favourite list.

2.6 Settings



Settings Menu

The SETTINGS menu allows the user change the default setting of routing, audio, and search viewer window.

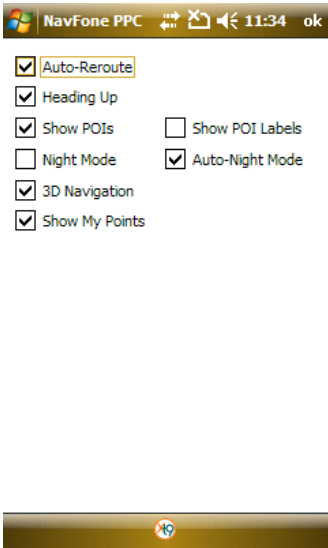


Reset icon to restore the settings to factory default.

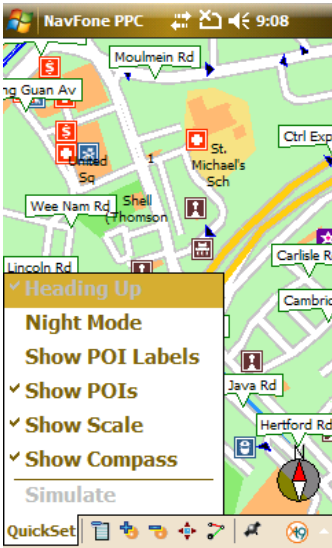


icon to bring the user back to the Main Menu.

Quick Set



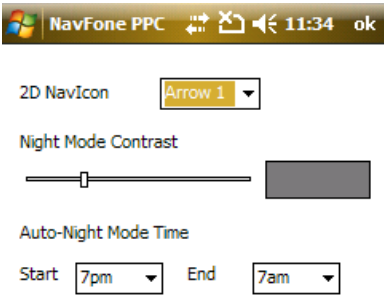
Quick Settings



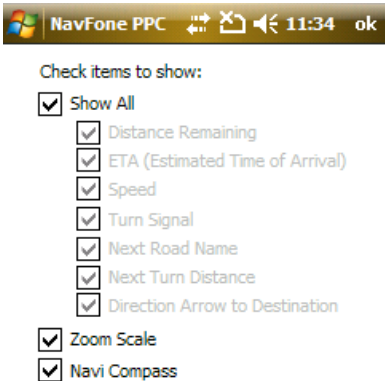
QuickSet Menu on Navigation Map Window

1. The **Quick Setting** menu allows the user to pre-configure the look and feel of the Route Viewer window.
2. Setting on the Quick Settings menu is self-explanatory.

Navi (Navigation Display)



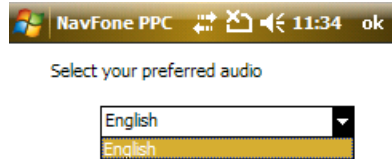
Navi Settings Screen 1



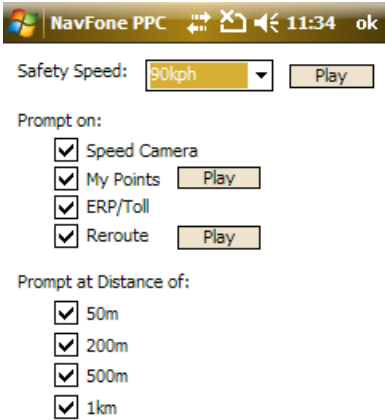
Navi Settings Screen 2

1. The **Navigation Settings** menu allows the user to pre-configure the look and feel of the Route Viewer window.
2. Setting on the “Navi” menu is self-explanatory.

Audio



Audio Settings Screen 1



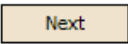
Audio Settings Screen 2

1. The **Audio Settings** menu allows the user to set the announcement in the various language types.
2. It also allows users to define prompting of speed camera, ERP/ Toll, etc.

Map



Current map: Singapore (18Aug2008)



Version 2.2.8233



Load Map Screen

1. Allows the user to load the different maps available.

2.7 Directory

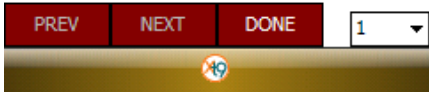


Directory Main Screen

Sub-Directory








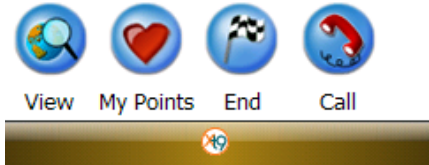
- 1. Select the category of interest.
- 2. Use the **NEXT** and **PREV** to go to next page of the selected category.
- 3. Use the **DONE** button to exit out of the Directory menu.



Select Entry



-  Allow user to o back to previous menu
-  Bring the user to the location in the map viewer menu
- View**
-  Save the location to the favourite list
- My Points**
-  Sets it as a destination point
- End**
-  Call the listed contact number
- Call**

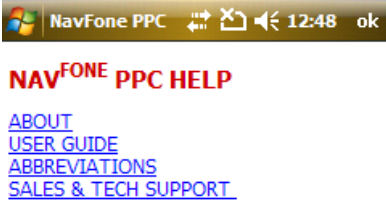


Entry Details

3.0 Additional Features

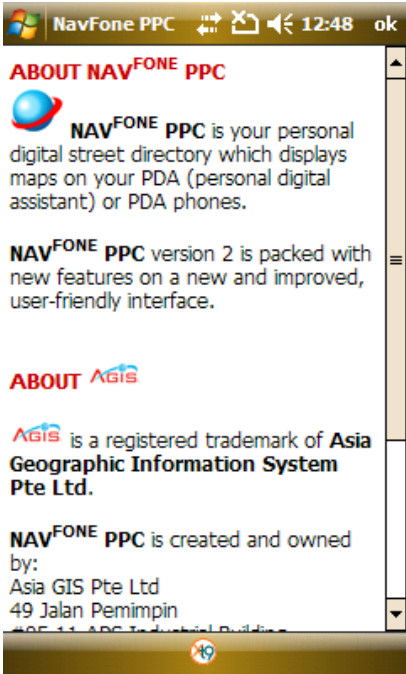
Now that you have installed NAV^{FONE} PPC 2.0 on your PDA, you are ready for the experience of a life-time.

3.1 Help Menu



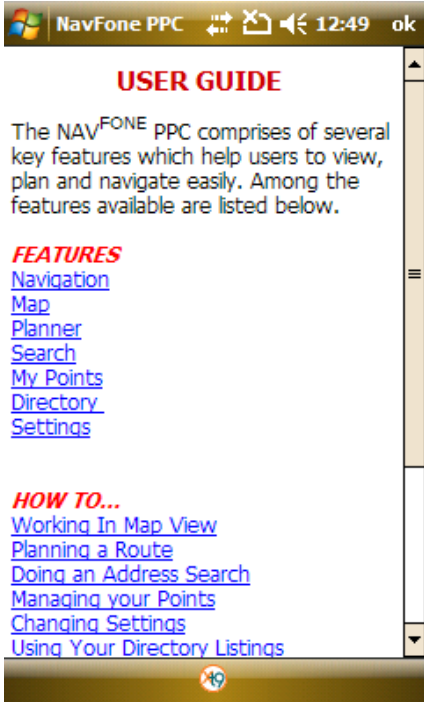
Help File Main Menu

About



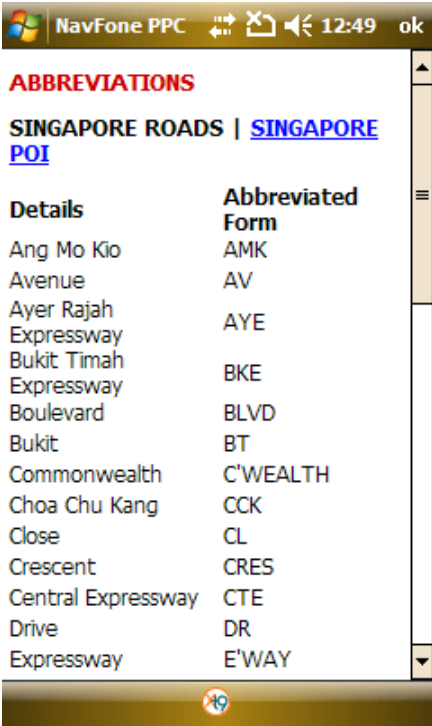
1. The ABOUT portion explains what NAV^{FONE} PPC is and about Asia GIS Pte Ltd.

User Guide



- 1. Brief explanation of and help on the usage of NAV^{FONE} PPC.

Abbreviations



- 1. Some of the abbreviation used to condense and refine searches.

Sales & Tech Support



SALES & TECHNICAL SUPPORT

Visit: <http://www.asiagis.com.sg> for latest info and software updates.

For sales and technical support, please contact:

Tel: +65 6391 4500

Fax: +65 6298 2735

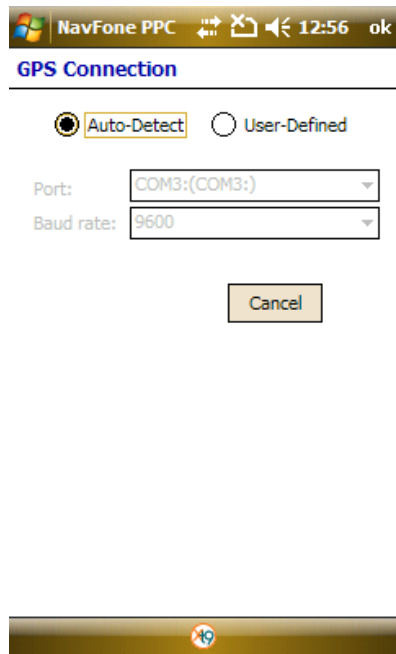
For support, please state your software version no and map data when requested.

[CLOSE](#)

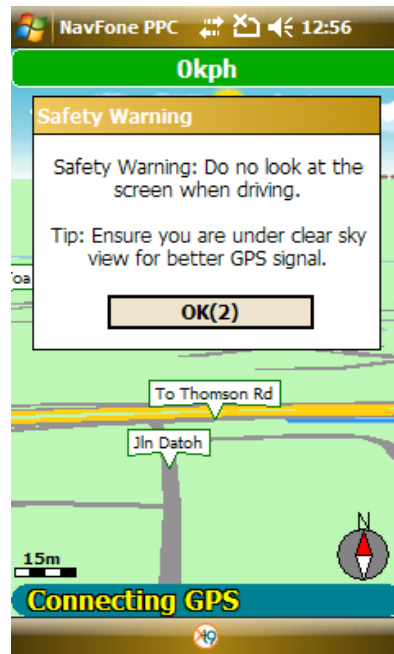


1. Contact information to upgrade or find out more about NAV^{FONE} PPC or other of the related product.

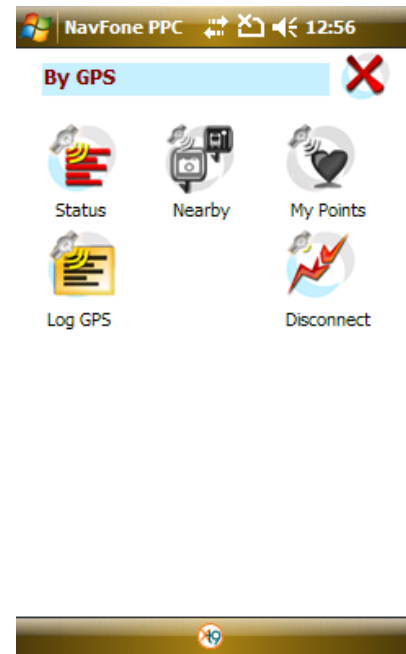
3.2 GPS Menu



Connect to GPS

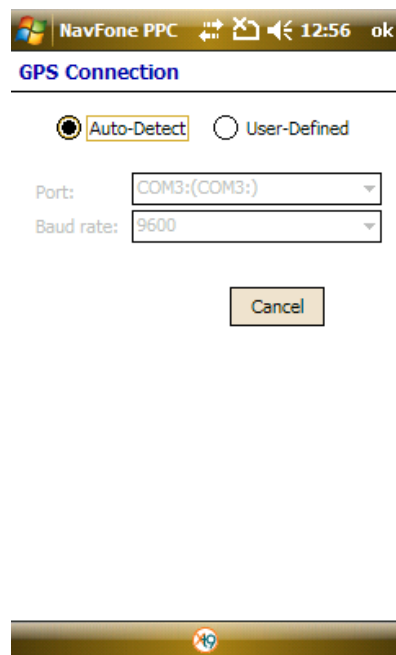



Warning Message



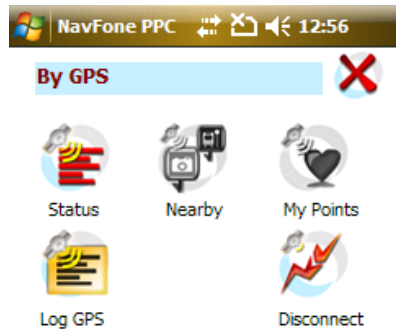
On GPS Connected


Connect to GPS



1. Tap on the  from the map viewer menu and the GPS Connection Menu will show.
2. Select to either connect by "Auto-Detect" or "User-Defined". If the latter is selected, manually definite the "Port" and "Baud rate"
3. To cancel, tap the **Cancel** button.

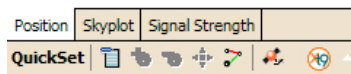
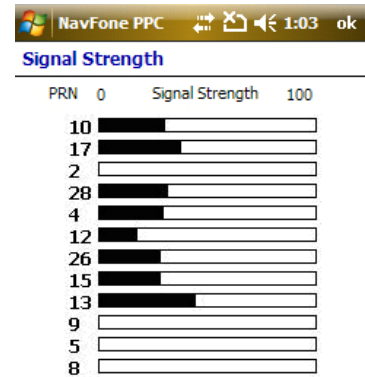
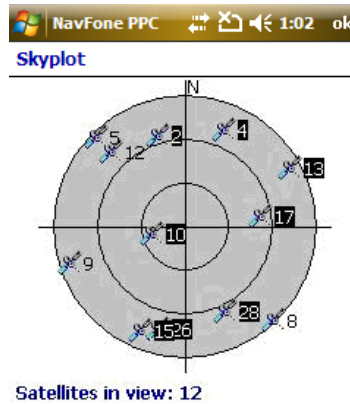
Disconnect GPS



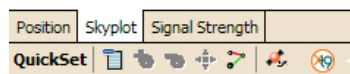
1. Tap on the  from the map viewer menu again from the Navigation menu and the "On GPS" menu will show.
2. Tap on the "Disconnect" icon to disconnect the internal/ external GPS device.



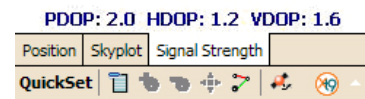
GPS Status



GPS Position




GPS Skyplot



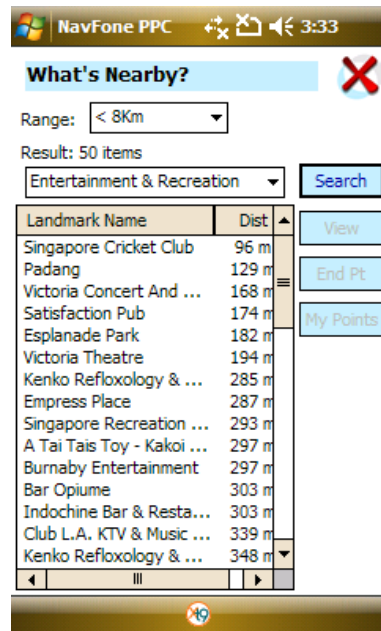
GPS Strength


Display GPS status information based on data received from the GPS receiver.

1. After a GPS connection is established, tap on the  from the map viewer menu to bring up the "On GPS" menu.

2. Tap on the “Status” icon to display the GPS status information.
3. Tap the **Position** tab to view the current position information.
4. Tap the **Skyplot** tab to view the position of the satellites in the sky.
5. Tap the **Signal Strength** tab to view the signal level of signals received from the satellites.
6. To exit, tap **ok**.

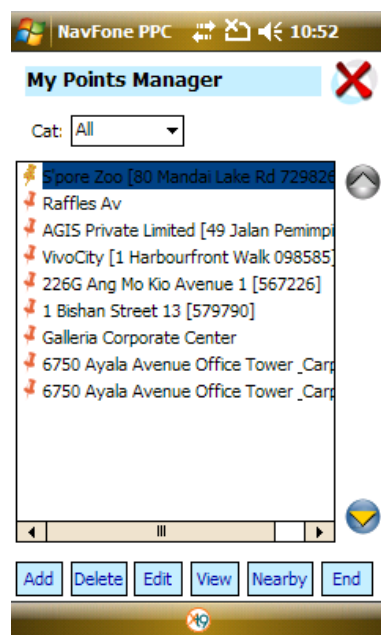
Nearby




1. Tap on the  from the Map Viewer menu and the GPS Connection Menu will show.
2. Select the “Nearby” icon to view What’s Nearby in the area.

For details, refer to Section 2.1 under “What’s Nearby”.

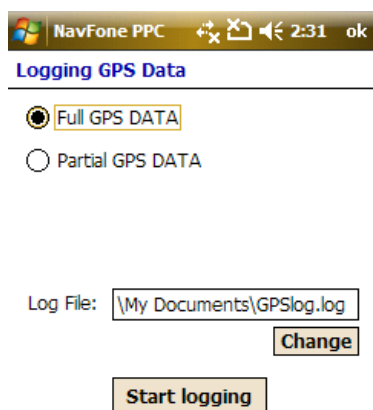
Favourite



1. Tap on the  from the Map Viewer menu and the GPS Connection Menu will show.
2. Select the “Favourite” icon to save the current GPS location to the Favourite List.

Refer to section 2.4 My Points (Waypoints) for detailed description.

Log GPS Data



NavFone PPC 2:31 ok

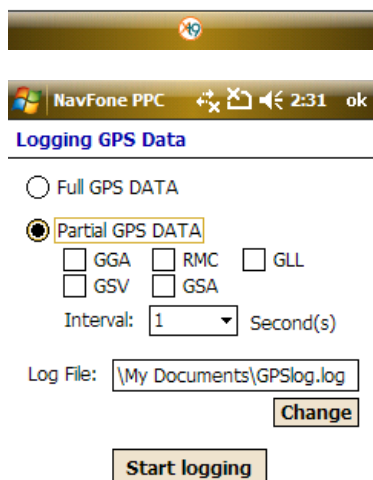
Logging GPS Data

Full GPS DATA

Partial GPS DATA

Log File: \My Documents\GPSlog.log Change

Start logging



NavFone PPC 2:31 ok

Logging GPS Data

Full GPS DATA

Partial GPS DATA


GGA RMC GLL

GSV GSA

Interval: 1 Second(s)

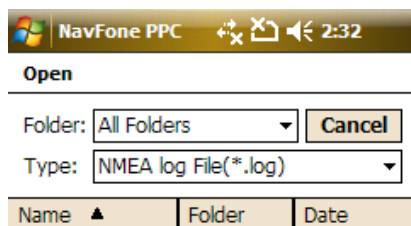
Log File: \My Documents\GPSlog.log Change

Start logging

1. Tap on the  from the Map Viewer menu and the GPS Connection Menu will show.
2. Tap on the “Log GPS” icon to bring up the logging GPS data Menu.
3. At the **Logging GPS Data** screen, select either
 - **Full GPS Data** logging or
 - **Partial GPS Data** logging.
4. The **Full GPS Data** logging option will log all NMEA data received from the GPS device.
5. The **Partial GPS Data** logging option allows selective logging from a choice of 5 predefined NMEA data types. The logging interval can also be selected.
6. A default filename for the GPS log file is displayed. To change this filename, tap the name to edit it directly or tap the **Change** button.
7. Tap the **Start logging** button to begin logging of GPS data.
8. To exit without logging, tap ok.

Playback NMEA File

With the saved GPS log file, you can do a Playback of the route you have traveled.

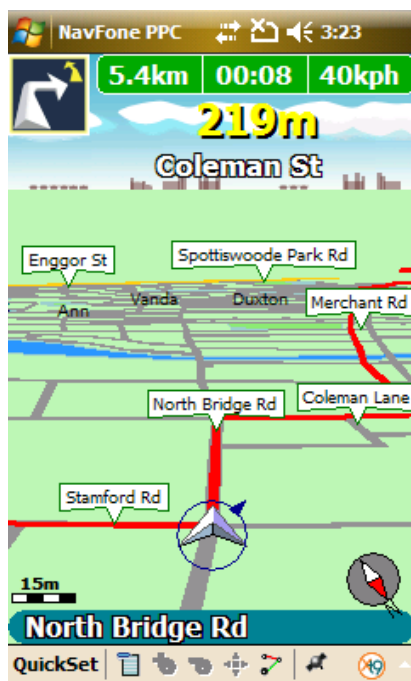


1. From the Route Planner Menu, tap on the “Playback” button to select the NMEA log files.
2. Select a previously saved NMEA log file.
3. The application will automatically simulate a routing plan from the previously saved NMEA file.
4. The positions in the file will be shown as a route on the map.
5. To stop the playback, go back to the Route Planner Menu and tap on the “Stop Playback” button.

NB: If your Playback button is in disabled mode, disconnect your GPS. This is to prevent any conflicts.

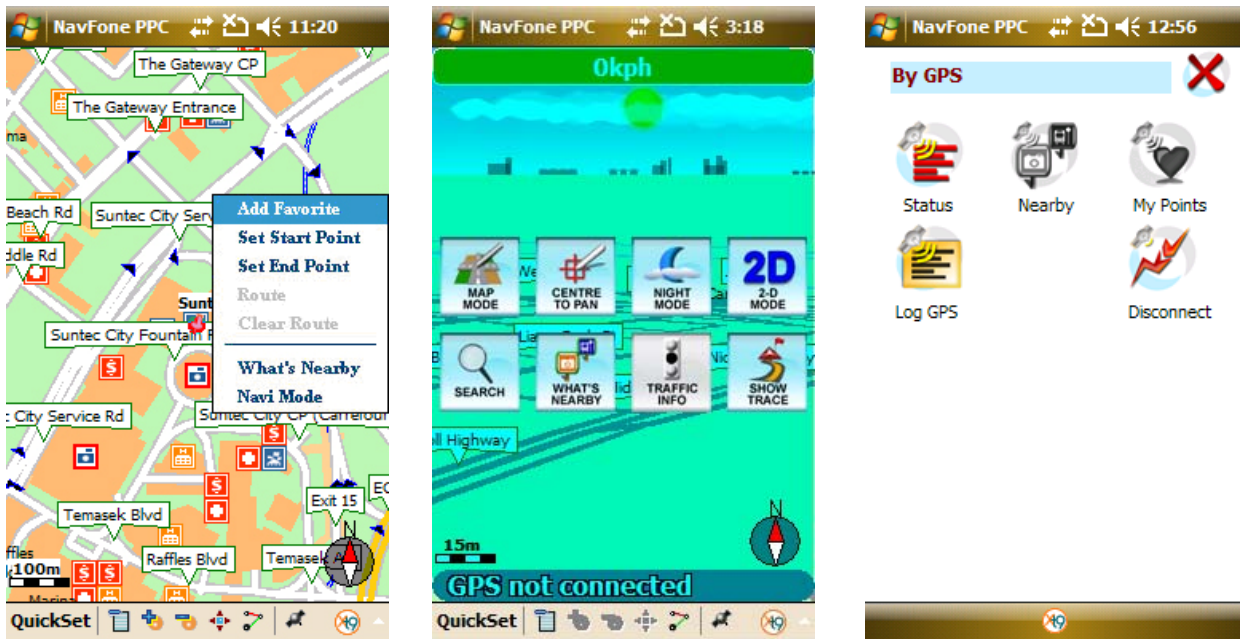


Select an NMEA Log File



Playback in Progress

3.3 Quick Access Menu and Pop-Up Menu



How to display the Pop-Up Menu

The Pop-Up Menu is accessible from the Map mode (Navi Off mode). To display the Pop-Up Menu, tap a location on the map and hold the stylus down for about 2 seconds.

Pop-Up Menu > Add Favorite

Creates a new waypoint at the current map location

1. Tap a location on the map and hold the stylus down for about 2 seconds.
2. Select **Pop-Up Menu > Add Favorite** from the pop-up menu.
3. A new waypoint will be created at the current location and added to the current waypoint file.

Pop-Up Menu > What's Nearby

Allows the user to search for map items in the vicinity of the current screen location

1. Tap a location on the map and hold the stylus down for about 2 seconds.
2. Select **Pop-Up Menu > What's Nearby** from the map menu.
3. Select the **Search Range** from the drop-down list.
4. Select one or more type of **Amenities** to search for by ticking the checkbox beside the name of the Amenity.
5. Tap **Search** to start searching.

6. The result of the search will be listed.
(If no result is found, the list will be empty.)
7. To view an item on the map, tap the item's name to select it, and then tap the **Go To** button to go to the map view.
8. To view all the listed items on the map at the same time, tap the **View All** button to go to the map view.
9. To search again, tap the **Back** button. Then repeat Steps 3 to 5.
10. To exit without selecting any item, tap **OK**.

Pop-Up Menu > Clear Route

Allows user to clear a present route

1. Tap a location on the map and hold the stylus down for about 2 seconds.
2. Select **Pop-Up Menu > Clear Route** from the map menu.

Pop-Up Menu > Navi Mode

Allows user to switch to navigation mode

3. Tap a location on the map and hold the stylus down for about 2 seconds.
4. Select **Pop-Up Menu > Navi Mode** from the map menu.

Routing in the Map Viewer


Allows the user to obtain a recommended route between 2 locations on the map

In order to perform a route computation, a start location and an end location must be selected.

Selecting the Start and End Locations

1. Tap the intended start location of the route in the map view and hold the stylus down for about 2 seconds.
Next, select **Pop-Up Menu >Set as Start Point** from the map pop-up menu to set this location as the start location.
2. Alternatively, if no Start Point is selected, the default position will be set to current GPS position.
3. Tap the intended end location of the route in the map view and hold the stylus down for about 2 seconds.
Next, select **Pop-Up Menu >Set as End Point** from the map pop-up menu to set this location as the end location.

Computing the Route

10. After selecting the Start and End locations, tap the  button to launch the Planner window.
11. Select the routing method (either Fastest or Shortest route).
12. Tap on the 'OK' button to confirm your route and start computing your route.

Note:

- To perform another route computation, Tap and hold the stylus down for about 2 seconds. Then select, Clear Route to clear the current route.
 - Then select the new Start and End Locations.
 - If a GPS device is connected and the user travels along the recommended route, voice turning instructions will be given at the 1km, 500m, 200m junctions and before the junction itself. In addition, turn directions will be clearly displayed on the map screen.
-

How to display the Quick Access Menu

The Quick Access Menu is accessible from the Navigation mode (Navi On mode). To display the Quick Access Menu, tap anywhere on the navigation map.

Quick Access Menu > Navi Off

Allows user to switch from the Navigation Mode (Navi On) to the Map Mode (Navi Off)

1. Tap on the navigation map to display the quick access menu.
2. Tap "Navi Off" on the quick access menu.
3. The Navigation mode will be switched off and you will be in the Map mode.

NB: To switch back to the Navigation mode, see *Pop-Up Menu > Navi Mode*

Quick Access Menu > Centre On GPS

Allows user to switch off the Centre on GPS mode to enable user to pan the map while in Navigation mode

1. Tap on the navigation map to display the quick access menu.
 2. Tap "Centre on GPS" on the quick access menu.
 3. The centre on GPS mode would be switched off and users can now pan the map.
 4. To pan, tap and hold the map and drag towards the direction of pan.
 5. To switch on centre on GPS mode, tap on the navigation map to display the quick access menu and then tap "Centre on GPS".
-

Quick Access Menu > Night Mode / Day Mode

Allows user to switch between Night Mode and Day Mode

1. Tap on the navigation map to display the quick access menu.
 2. Tap "Night Mode" on the quick access menu.
 3. Users can now view the map in night mode.
-

4. To switch back to the day mode, tap on the navigation map to display the quick access menu and then tap on the “Day Mode”.

Quick Access Menu > 2D / 3D

Allows user to switch between 2D and 3D mode

1. Tap on the navigation map to display the quick access menu.
 2. Tap “2D” on the quick access menu to switch to 2D mode.
 3. Users can now view the map in 2 dimensions.
 4. To switch back to the 3D mode (or vice versa), tap on the navigation map to display the quick access menu and then tap on the “3D”.
-

Quick Access Menu > Search

Allows user to launch the Search tool

5. Tap on the navigation map to display the quick access menu.
6. Tap “Search” on the quick access launch the Search tool.

Refer to 2.3 *Search* for more details.

Quick Access Menu > What’s Nearby

Allows user to launch the What’s Nearby Search tool

1. Tap on the navigation map to display the quick access menu.
2. Tap “What’s Nearby” on the quick access launch the What’s Nearby search tool.

Refer to *Pop-Up Menu > What’s Nearby* for more details.

Quick Access Menu > Show Trace / Hide Trace

Allows user to enable the Show Trace feature

1. Tap on the navigation map to display the quick access menu.
 2. Tap “Show Trace” on the quick access to enable the Show Trace.
 3. Users can now view a trace of the journey they have traveled and re-trace their route later.
 4. To hide the trace, tap on the navigation map to display the quick access menu and then tap on the “Hide Trace” to disable the feature.
-

APPENDIX A – Troubleshooting

| Installation error | | |
|----------------------------------|----------------------------------------------------------------|-----------------------------|
| Error Message | Cause | Solution |
| No license file is found. | >incomplete installation >license file was deleted | >Do a license repair |
| License is illegal. | >license file is corrupted | > Do a license repair |
| The license is not for this PDA. | >installation serial number is registered under another device | >purchase new serial number |
| The license file is invalid. | >wrong version | >contact us |

| Routing error | | |
|------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------|
| Error Message | Cause | Solution |
| Limit Exceeded | >resource exceeded | >re-route via fastest option >shorten route |
| At least one selected point is outside routing area! | >missing rtl file >invalid routing start/end point | >reinstall >select a start/end point on a valid road |
| route.bin not found | >missing bin file | >restart application, if not >reinstall |

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