POLSTAR

Polnav Navigation Software

POLNAV

User's Manual

Version 2011 R6.0

For use with PC/PDA/Personal Navigators

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This document is subject to change without notice.

You must read the warnings and the disclaimer at the back of this manual prior to using Polnav.

Contents

1. INTRODUCTION 1

2. INSTALLATION AND HARDWARE SETUP 2

2.1 SOFTWARE INSTALLATION 2
2.1.1 Map code 2
2.1.2 Registration 3
2.1.3 Device ID 5
2.2 HARDWARE CONFIGURATION (PC/PDA ONLY) 7

3. GETTING STARTED WITH GPS NAVIGATION AND POLNAV 8

4. USER INTERFACE 17

4.1 MAIN MENU 17
4.2 MAP SCREEN 19
4.2.1 Functions 20
4.2.2 Map Displays 21
4.3 ZOOM IN/ZOOM OUT 22
4.4 PANNING (BROWSING THE MAP) 23
4.5 LOCATION MENU 24
4.5.1 Functions in the Location Menu 25
4.6 NAVIGATION SCREEN 30
4.7 FREE RUN SCREEN 33

5. FINDING DESTINATIONS 34

5.1 BY ADDRESS-CITY/POSTAL CODE FIRST 34
5.2 BY POINTS-OF-INTEREST (POI) 40
5.3 BY KEYWORD 52
5.4 BY FAVORITE 55
5.5 BY RECENT DESTINATIONS 57
5.6 BY CURRENT POSITION 59
5.7 BY GPS COORDINATES 61
5.8 BY PHOTO 63
5.9 BY POI CATEGORY 64
5.10 ENTERING INFORMATION 66
5.11 SEARCHING IN DIFFERENT COUNTRIES 67

6. ADVANCED ROUTING FEATURES 68

6.1 MAKING DETOURS 68
6.2 ADDING INTERMEDIATE WAYPOINTS 70
6.3 CHANGING THE END DESTINATION 71
6.4 SETTING STARTING LOCATIONS/CLEARING ROUTES/SETTING SIMULATED STARTING LOCATIONS 72
6.5 ROUTE SIMULATION 75
6.6 CHANGING ROUTING OPTIONS 77
6.7 CANCEL ROUTE 79

7. ROUTE MANAGEMENT 80

7.1 ROUTE INFORMATION 80
7.2 TURN LIST 81
7.3 ITINERARY LIST 82

8. MANAGING FAVOURITES, ITINERARIES AND TRAILS 83

8.1 MY FAVOURITES 84
8.2 MY ITINERARY 85
8.3 MY TRAIL 86
8.4 CLEAR DATA 88

9. CONFIGURING THE POLNAV 89

9.1 GENERAL 89
9.2 VOLUME 91
9.3 DISPLAY OPTIONS 92
9.4 LANGUAGE 95
9.4.1 Text 96
9.4.2 Voice 97
9.4.3 Input Method 98
9.4.4 Map 103
9.5 UNIT 105
9.6 GUIDANCE 106
9.7 TIME ZONE 107
9.8 SAFE MODE 108
9.9 SPEED ALERT 109
9.9.1 Over Speed Alert 109
9.9.1 Speed Camera Alert 113
9.10 POI ICON 115
9.11 FACTORY DEFAULT 116
9.12 ROUTE OPTIONS 117

10. INFORMATION 119

10.1 GPS 120
10.2 STATISTICS 121
10.3 MAP 122
10.4 ABOUT 124
10.5 TMC EVENTS 125

11. GPS SETTINGS 126

12. DISCLAIMER 129

13. IMPORTANT MESSAGES 129

1. Introduction

Congratulations on purchasing the Polstar Polnav Navigation Software. Polnav is a state of the art navigation software designed to make your journey more efficient and productive. Polnav offers the following features to make travelling and navigating through your neighbourhood easier:

- Dynamic route calculation
- Set and manage multiple waypoints en route to your destination with ease
- Powerful and convenient address search (Postal code/street search)
- Accurate moving map display
- Turn-by-turn voice instructions and mini maps
- Voice output engine
- Comprehensive and detailed map and Points-of-Interest (POI) database
- Easy to use and intuitive interface
- Space efficient
- Compatible with PC, PDA and Personal Navigator Packages.

Polstar would like to thank you again for purchasing Polnav, and hope that it will assist you in your travels in the many years to come.

For the latest news and updates, product support, and information regarding Polstar's range of GPS products, please visit Polstar's website at http://www.polstargps.com.

2. Installation and Hardware Setup

2.1 Software Installation

To run the software legally, the user has to get a license key by registration process.
The license key is encrypted by the combination of the device ID, which could be your SD card ID, and a map code. Also, please note that the license key is per map region. Each map region has its own map code, and thus you should have different license key for each map region. E.g. the map codes for BeNeLux, Germany and Taiwan could be BeNeLux@2011H2, Germany@2011H2 and Taiwan@2011H2, respectively.
If the software you have is not equipped with legal map licenses, the security warning pages will pop up to remind you of finishing the process to have legal licenses at the beginning of running Polnav.

2.1.1 Map code

As explained above, the license key is encrypted by the combination of the device ID and the map code. To know your map code, enter ***Main Menu***, choose ***Info*** ->***Map.***

As shown above, each entry has an icon, indicating if the corresponding map is legal or not, a map code and the date code. As an example, the first two illustrates the region Australia has a map code Australia@2009H2 and the region Austria/Switzerland has a map code AustriaSwitzerland @2011H2.

2.1.2 Registration

The software may not run with full functionalities and successfully if the map data is not with legal license.
The license key is calculated based on map code and device ID. If you have not a legal license of map data, you will be warned by the message “Unregistered map(s) found!” at the moment you run the software as below. Press OK to check the illegal map data you use, where a forbidden icon are shown below.

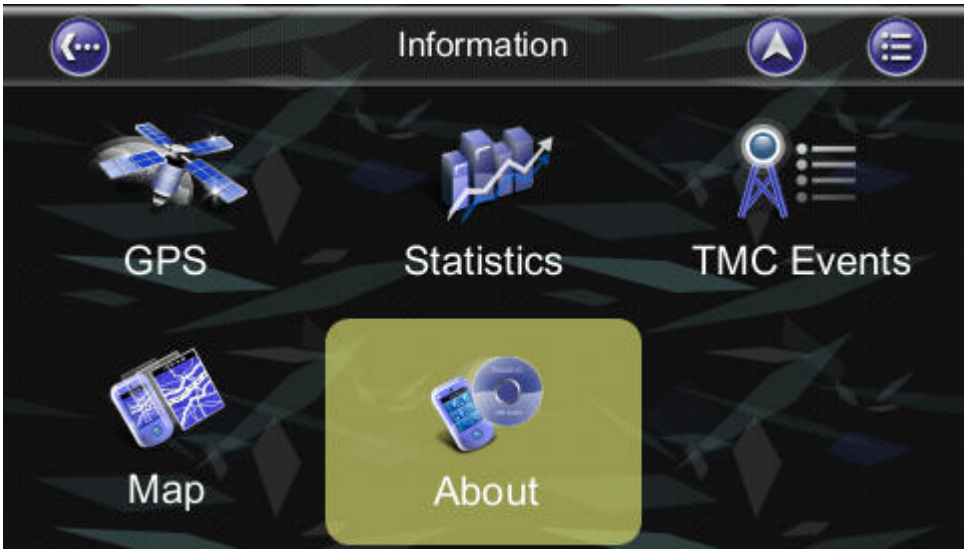
To get a license key, you need to send the Device ID and the map code to the original distributor to request a legal license key to that map data once you have paid for it.

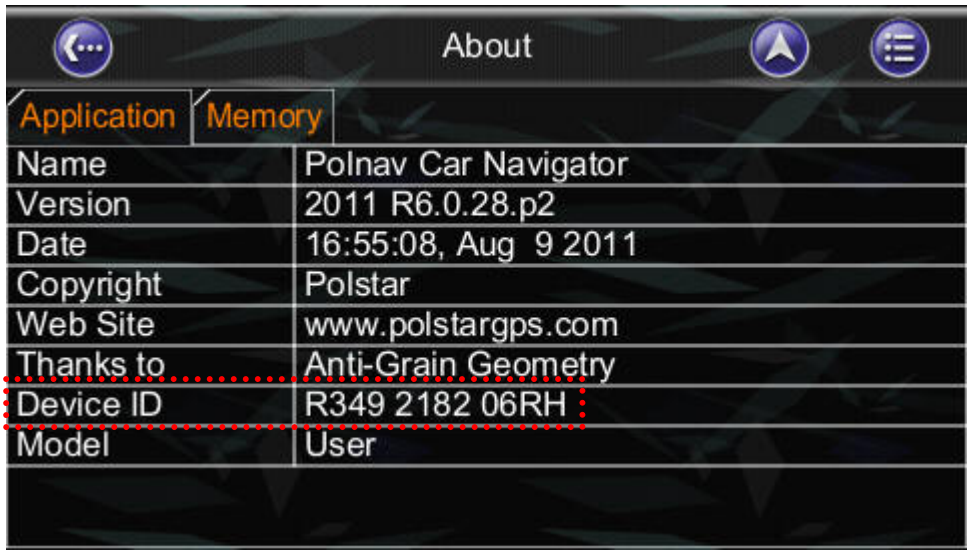
It would be strongly recommended to register your personal information to the server of the original distributor once you have the license key in case you need to retrieve the map data due to the SD card corrupted.

After having the license key for that map region, simply save the *.key file under \Polnav\Map folder finish the activation process.

2.1.3 Device ID

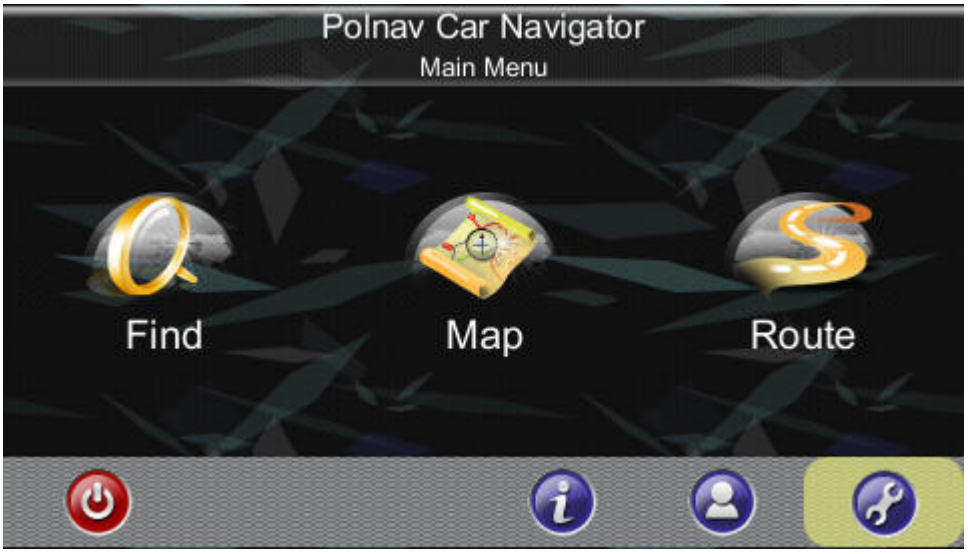
To know your Device ID, entering ***Main Menu ->Info ->About***




About
Application
Memory
Name
Polnav Car Navigator
Version
2011 R6.0.28.p2
Date
16:55:08, Aug 9 2011
Copyright
Polstar
Web Site
www.polstargps.com
Thanks to
Anti-Grain Geometry
Device ID
R349 2182 06RH
Model
User

2.2 Hardware Configuration (PC/PDA Only)

After installing Polnav on your PC/PDA, please ensure your GPS hardware has been correctly setup. For instructions on GPS hardware setup, please refer to your GPS hardware manual. You will only need to do this once. Once the GPS hardware has been setup, please take note of the Port Settings for your GPS. You will need this to configure the settings in Polnav.



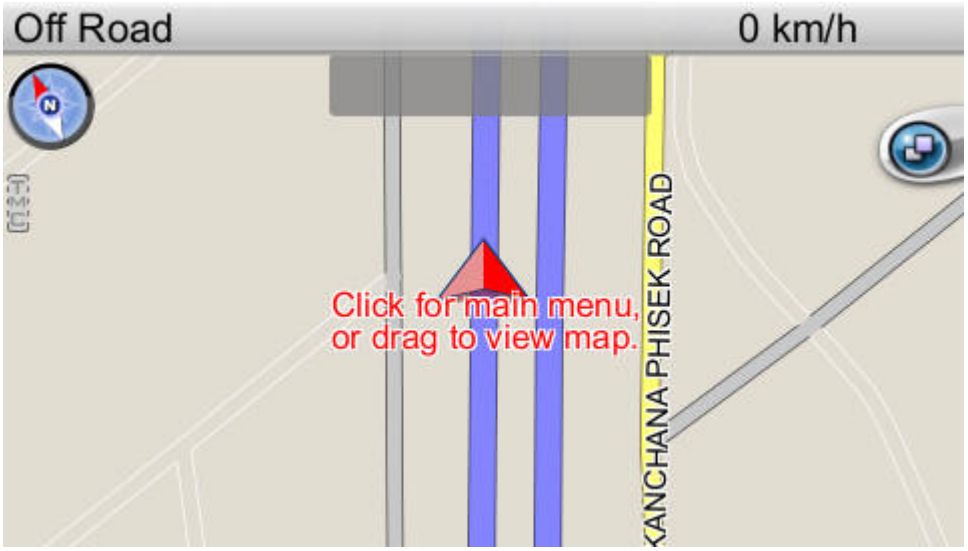
Press the ***Settings*** in the ***Main Menu*** and then press ***GPS Port***. Now change the COM Port and Baud Rate to the given values.

3. Getting Started With GPS Navigation and Polnav

This tutorial will get you started on using Polnav for navigation. Before you start, you should ensure that the software has been installed and the necessary hardware configured. Instructions for installation and configuration can be found in the ***Hardware Configuration Section*** of this manual.

Step 1
Start Polnav and wait for your GPS receiver to obtain a position fix.
Press the center area on the touch screen to obtain the **Main Menu**, and press the **Find Button** in the Menu.

If you do not have a GPS fix, or want to ***simulate*** a route, select a ***starting location*** first using this tutorial up to **Step 5**, then select a ***destination*** using this tutorial a second time.

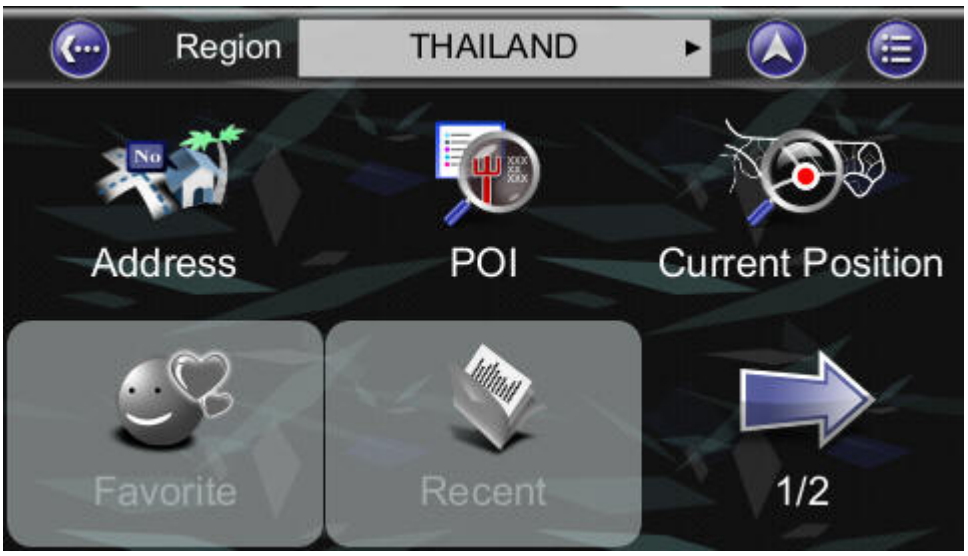


Step 2

Press the **Address Button** in the Find Menu, Press the **Region Name Tab** to Select / switch the country.

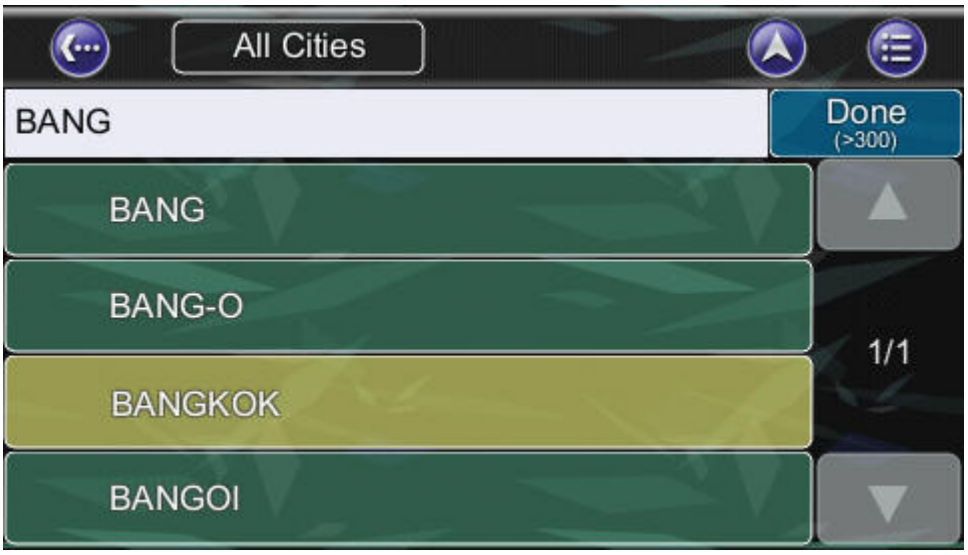
Region
ANDORRA
AUSTRIA
BELGIUM
BRAZIL
CHANNEL ISLANDS
DENMARK
ENGLAND
FINLAND
1/4
Apply Filter

Region
SPAIN
SWEDEN
SWITZERLAND
THAILAND
VATICAN CITY
WALES
4/4
Apply Filter


Region
THAILAND
Address
POI
Current Position
Favorite
Recent
1/2

Step 3

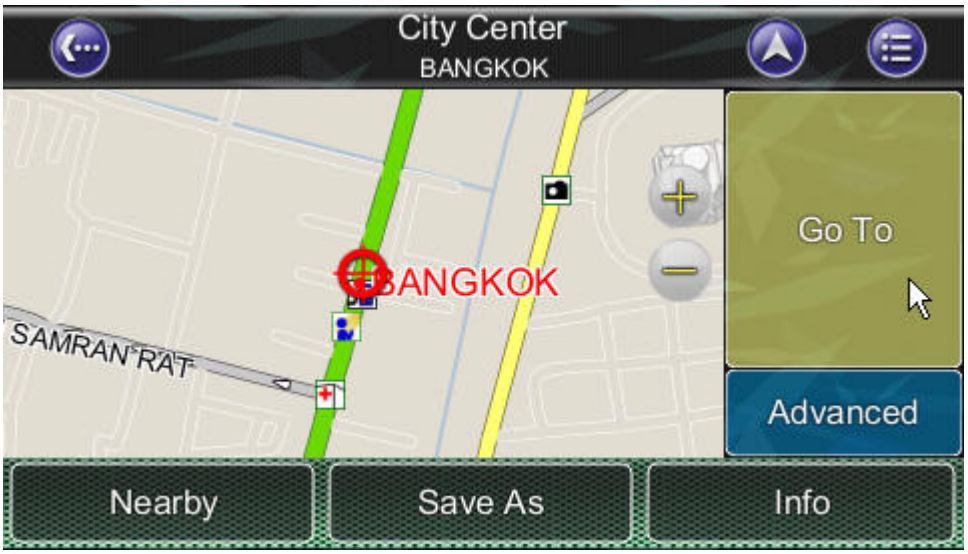
Enter **City** on the onscreen keyboard.


All Cities
BANG
Done
(>300)
BANG
BANG-O
BANGKOK
BANGOI
1/1

City
BANGKOK
(BANGKOK)
BANGKOK
(SAMUT PRAKAN)
BANGKOK
(SAMUT SAKHON)
BANGKOK
(PATHUM THANI)
1/1
Apply Filter

Step 4

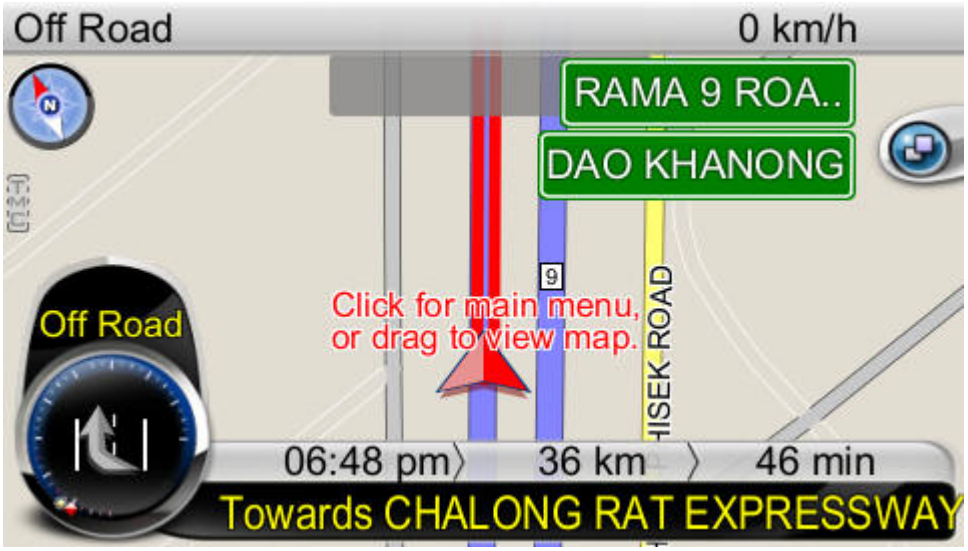
Then enter the **Street info and House Number info.** Or, click City Center.

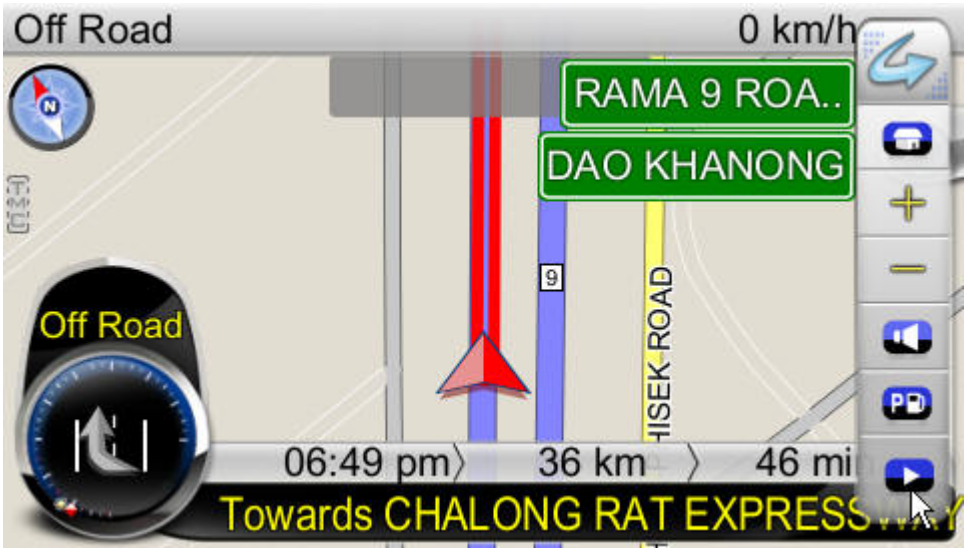


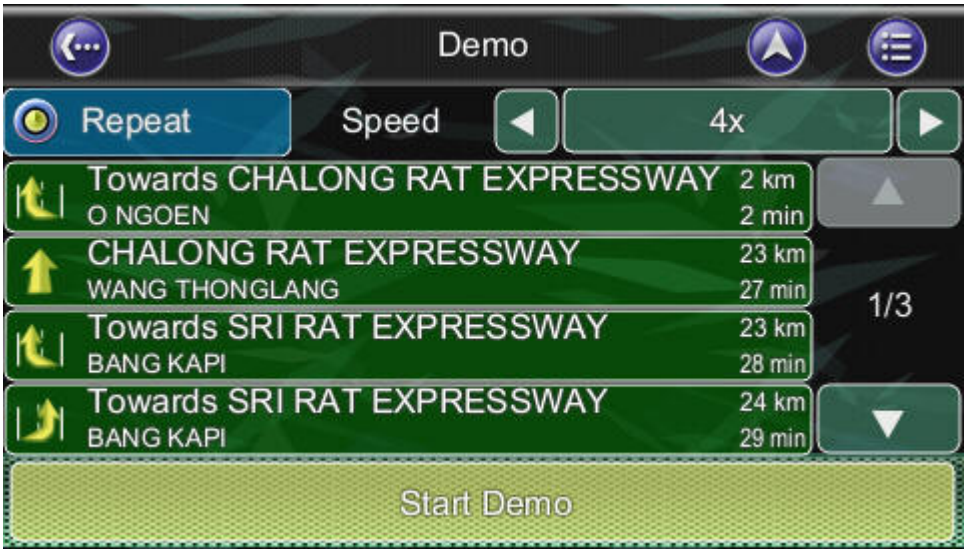
Location Menu

then press the **Go To Button** in **the Location Menu** to begin navigation. Polnav will calculate a route to the destination from your current location.

After calculating the route, you could also see the simulation of the route by clicking on the sub menu icon of the map on the top right side.




Off Road
0 km/h
RAMA 9 ROA..
DAO KHANONG
9
HISEK ROAD
Off Road
06:49 pm
36 km
46 mi
Towards CHALONG RAT EXPRESS


Demo
Repeat
Speed
4x
Towards CHALONG RAT EXPRESSWAY
O NGOEN
2 km
2 min
CHALONG RAT EXPRESSWAY
WANG THONGLANG
23 km
27 min
Towards SRI RAT EXPRESSWAY
BANG KAPI
23 km
28 min
Towards SRI RAT EXPRESSWAY
BANG KAPI
24 km
29 min
1/3
Start Demo

O NGOEN
43 km/h
AIRPORT
CHOT 25 YAEK 1
RAT EXPRESSWAY
19
km
06:50 pm
33 km
42 min
CHALONG RAT EXPRESSWAY

Step 5

You can begin using your GPS system if you have a GPS fix. If you do not have a GPS fix, you can use the **Demo** feature to simulate the route to your destination using. You can now drive to your destination, and you will be guided by voice commands at every turn and the Navigation Screen. For more information about advanced functions, please read the rest of this manual.

4. User Interface

4.1 Main Menu

The ***Main Menu*** provides access to Polnav's many features. You can access the ***Main Menu*** by pressing any where in the map screen. The following features can be accessed from the ***Main Menu***.

Find: Search for a destination.

Map: Return to the map screen or Navigation/Free run screen.

Route: Access the current route, itinerary, statistics and map information.

Settings: Configure system and routing settings and manage favourites list.

My Data: Maintain user specific information like Favourite, Itinerary, and Trail …etc.

Info: Display GPS, driving information (Statistics) and information about Polnav version.

Exit: Exit Polnav.

All submenus contain the following features on the top panel at the top of the screen:

Back Button: Return to the previous screen.

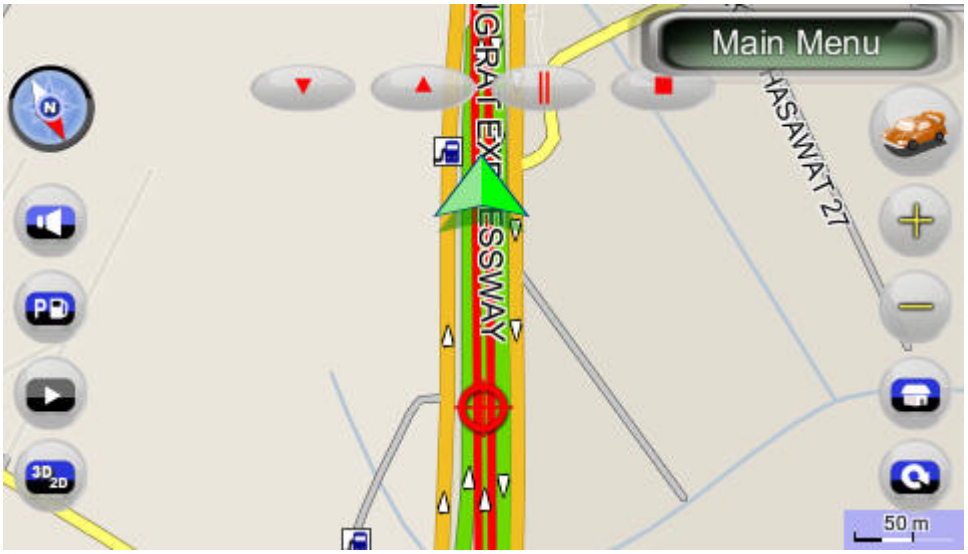
Map Button: Return to the Map Screen or Navigation/Free run screen.

Menu Button: Return to the Main Menu.

4.2 Map Screen

The ***Map Screen*** displays a map of your current location, as well as displaying nearby POIs and information. You can also use it as an electronic map.

When in ***Navigation/Free Run Screen,*** by panning the map, you can enter the Map Screen. Note that if you're using Heading-up in ***Navigation/Free Run Screen***, then the ***Map Screen*** will follow the orientation. By click the ***North Indicator***, the Map Screen will change to North-up. Once in North-up, it can't return to Heading-up.

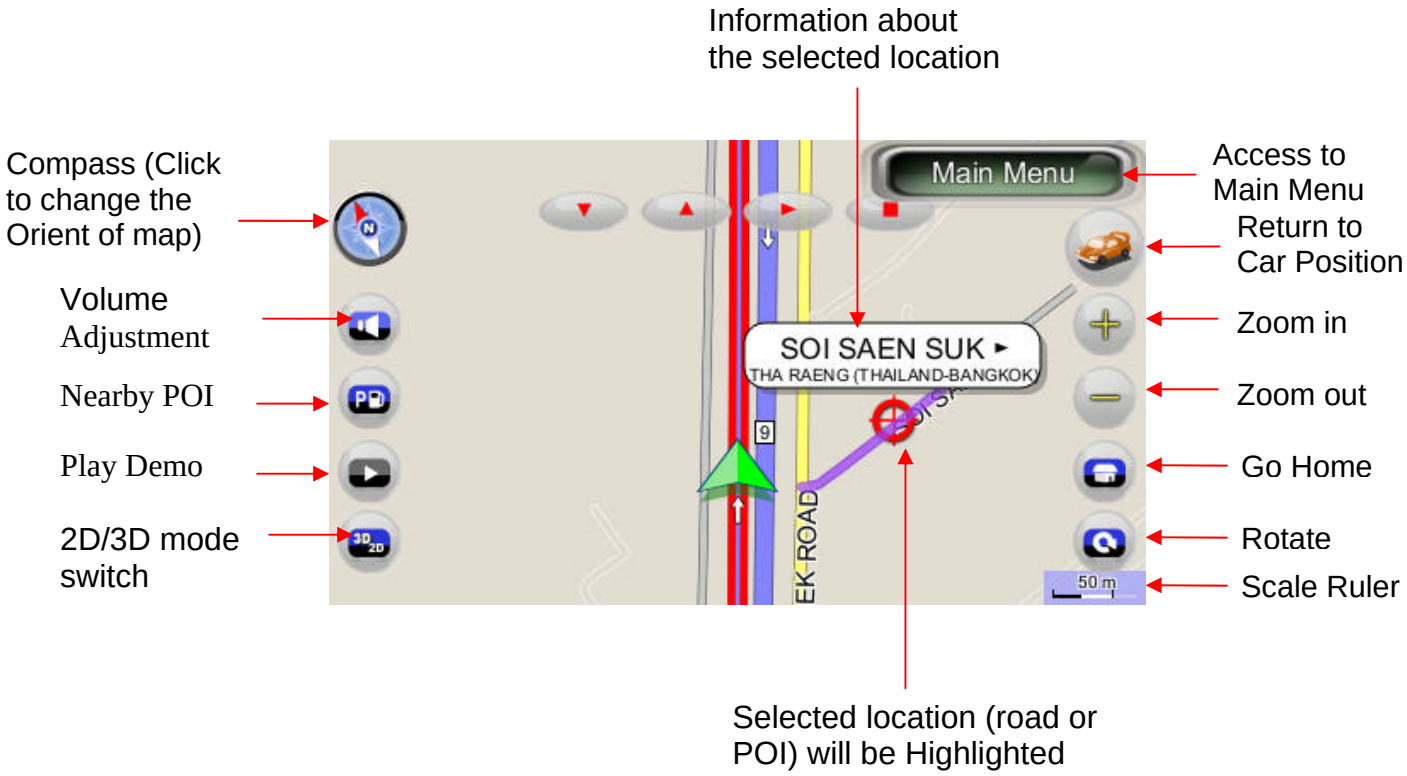


Map screen

Navigation screen

The following features can also be accessed from the Map Screen.

4.2.1 Functions



4.2.2 Map Displays

: Starting Point

: Waypoint

: Destination

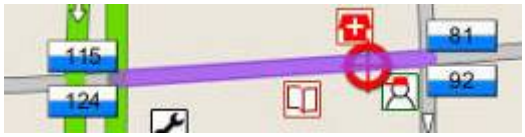
: Next Turn

: Turn

: Selected Point of Interest

: Point of Interest

: Selected Location

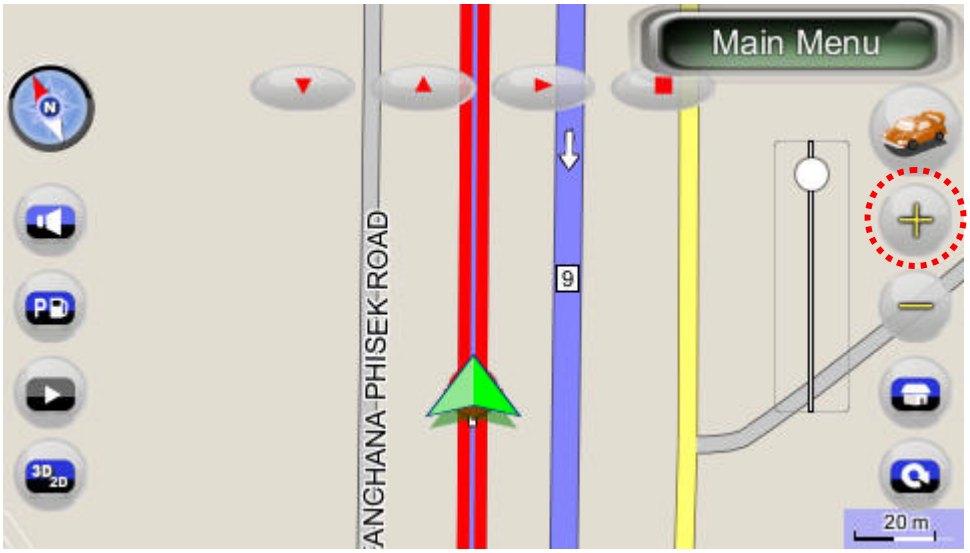


: Selected Street

: Current Location/GPS Fix Location

4.3 Zoom In/Zoom Out

You can change the scale of the electronic map by pressing the ***Zoom In/Zoom Out buttons***. If you have a position fix, it will zoom in/out on your current location. If you are in panning mode, it will zoom in/out on the selected location marked by the red dot.



(Zoom In)

(Zoom Out)

Note: Local streets will not be displayed at large map scales. At large map scales, only the main roads and freeways will be displayed. To view them you must increase the map scale by zooming in.

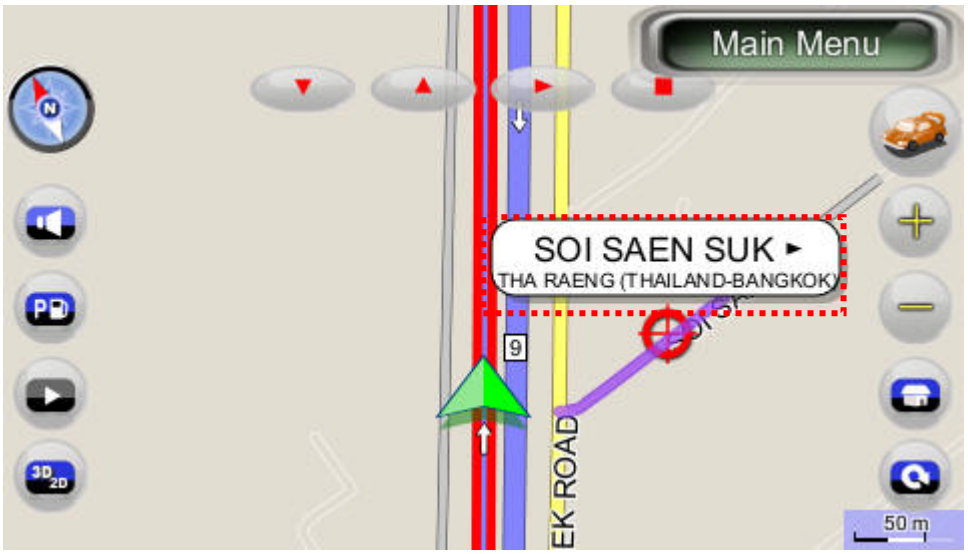
4.4 Panning (Browsing the map)

You can browse different areas of the map in the map screen by dragging the map. Simply hold your finger down on the screen and drag it in the opposite direction.

(Pan to the left)

4.5 Location Menu

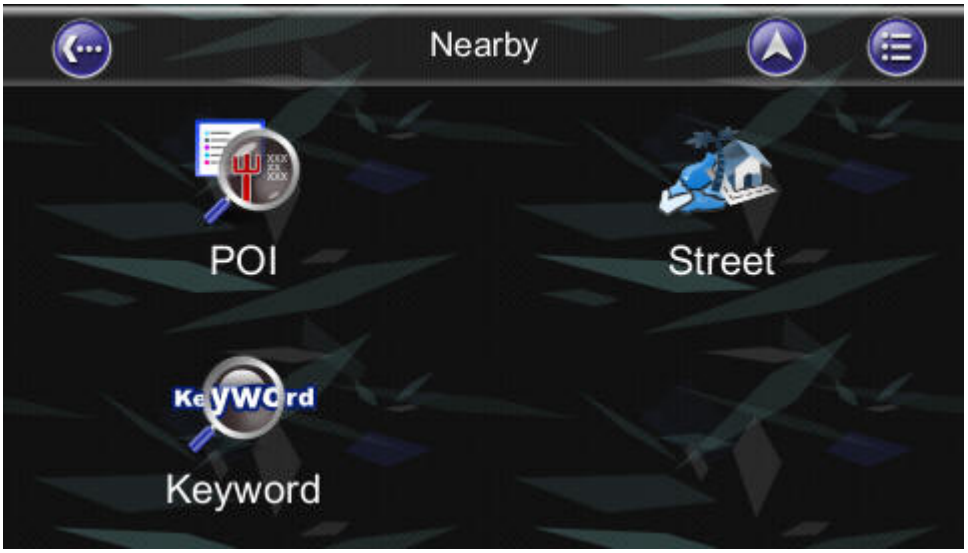
You can select locations (POI Icons) or streets on the map by pressing the icon or location and pressing the ***Street/Place Information Panel***. The ***Location Menu*** will then appear. The ***Location Menu*** will also appear when you select a location from the ***Find Menu***.



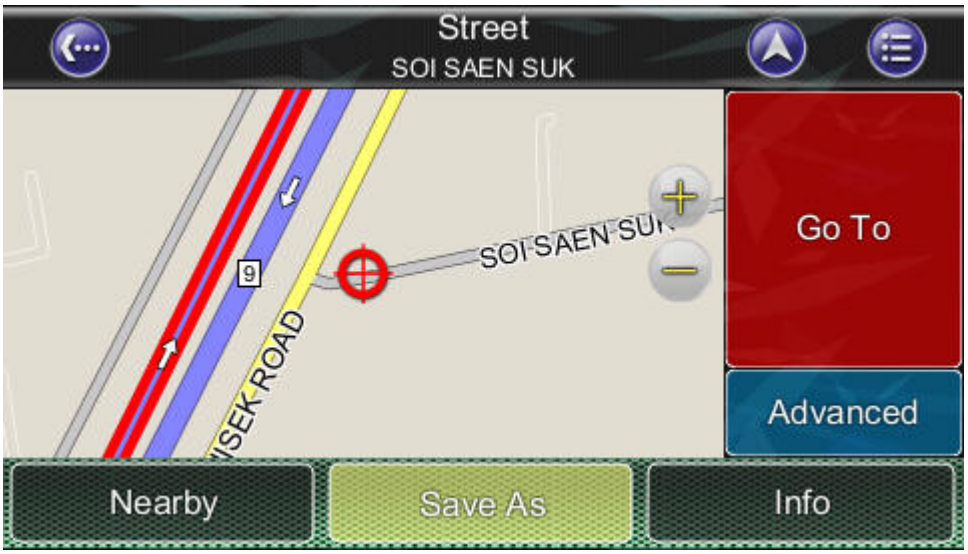
(Location Menu)

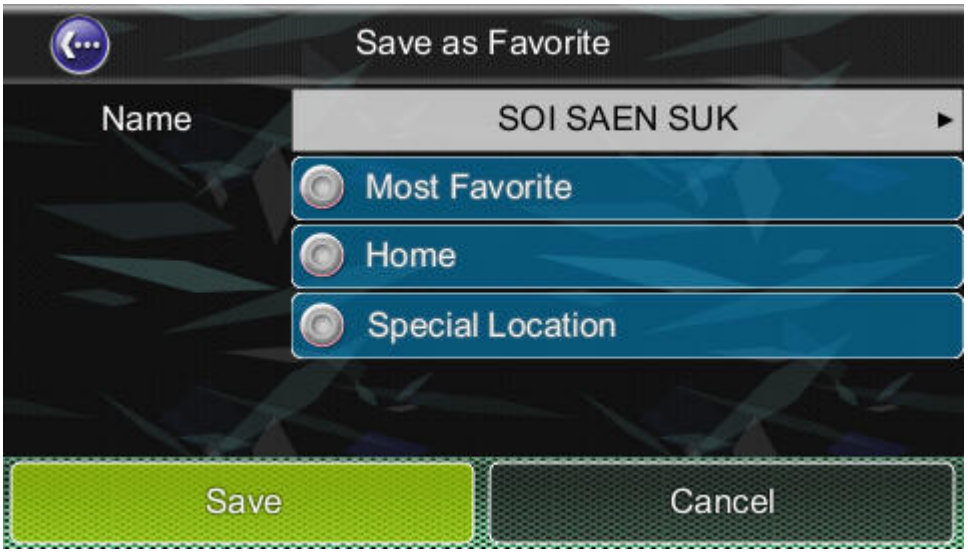
4.5.1 Functions in the Location Menu

Nearby: Displays a list of nearby POIs or streets.

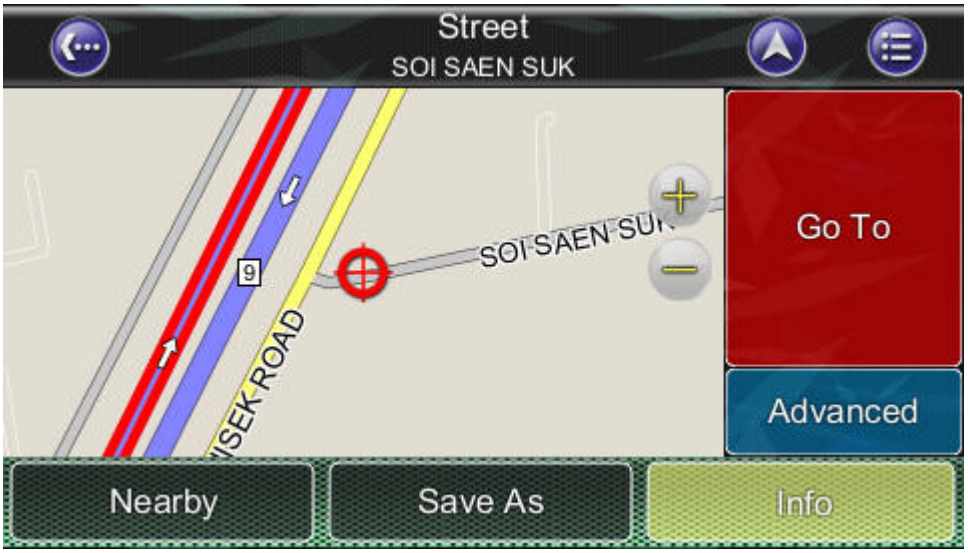


Save As: Save the location as your Favorite.

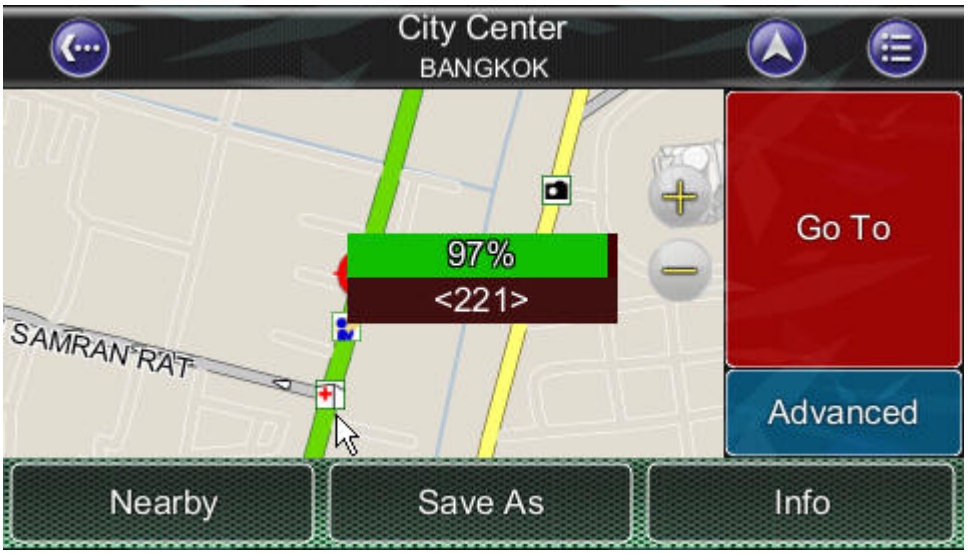




Info: Information about the selected location, including Region, City, Longitude, Latitude, Street, House number…etc.

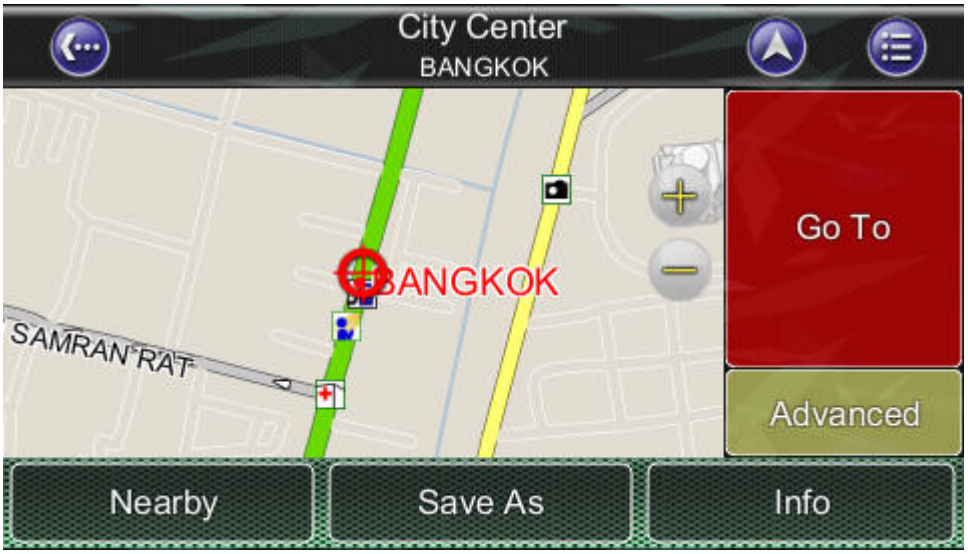


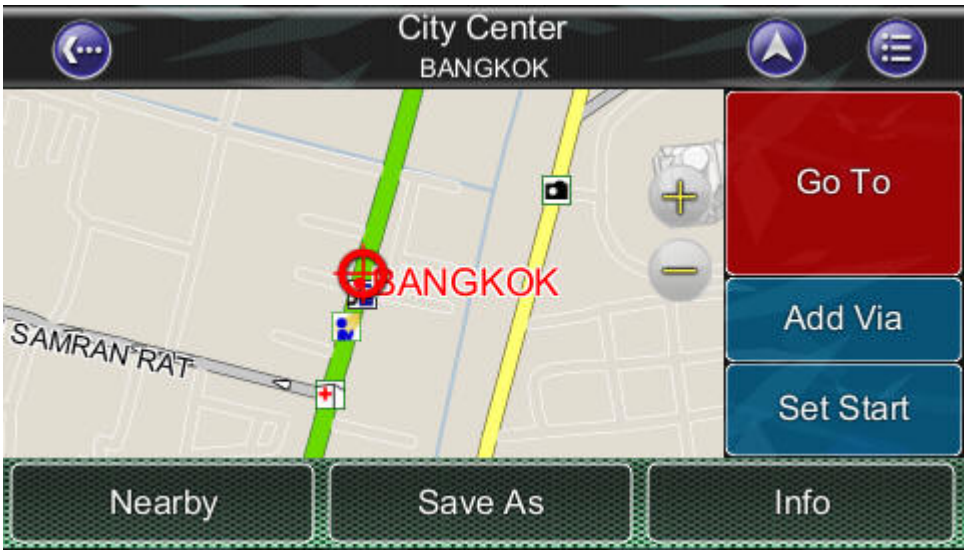
Go To: Set the destination for route planning.



Advanced: Add intermediate waypoint in route to your destination.

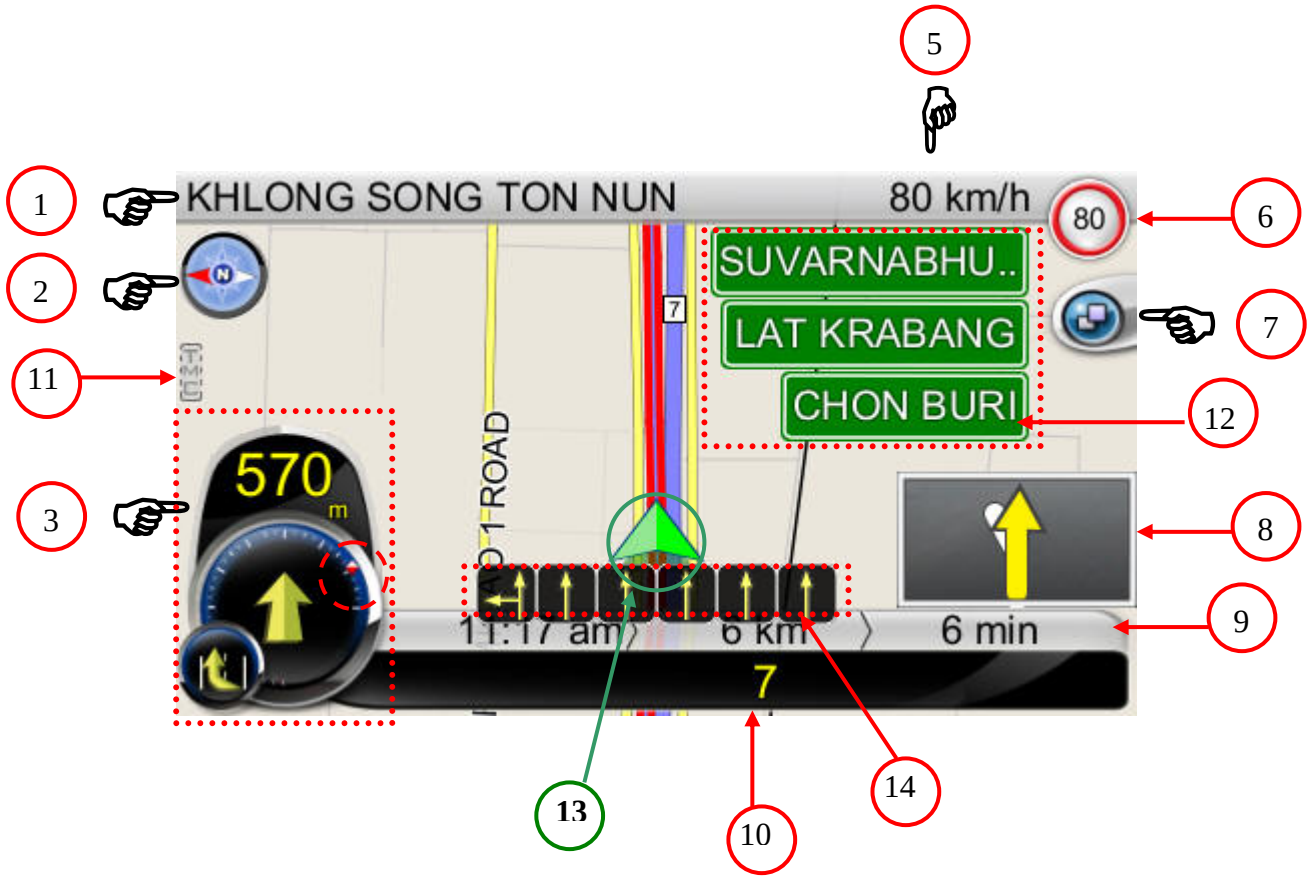
Or, set the location as the start point to simulate the route.





4.6 Navigation Screen

The Navigation Screen will appear whenever a route has been set. It is basically a Map Screen with additional information about the route, such as distance until next turn, travel time, and estimated time at arrival. The screen will be centred on your current location (when you have a GPS fix, or else simulation will move at a constant velocity). To exit the ***Guidance Screen***, simply pan the map. To return to the ***Guidance Screen***, press the ***Car Position*.**



1: Showing the current street info or current city info. (Click to switch)

2: Guidance symbol： Switch between 2D North-up, 2D Heading-up, 3D Head-up views

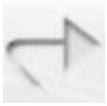
3: Showing the Distance to Next Turn, Maneuver at Next Turn and serial Turn. (Click on the icon to repeat voice instructions)

4: On the periphery of the Next Turn symbol, there are two dots : the Red Dot showing the direction of destination, and the Yellow Dot showing the Special Location. The special location will show only when you set in My Favorite.

5: Showing the current speed or current time. (Click to switch)

6: Speed Limit：Showing the Road Speed limit info.

7: Sub Menu

7.1  Hide the Sub Menu。

7.2 Go Home。

7.3 Zoom in。

7.4 Zoom Out。

7.5 Set volume。

(POI Menu)

7.6 Showing the nearby POI Menu.(see above picture) including Gas Station、Parking/Rest Area、Restaurant、Tourist Attraction、Category and POI Hide

7.7 Start Simulation. When having set the destination and routing, this bottom could be chosen. Click to see the simulation of the route and you'll see there is a row of control line showing in the Top middle of the screen (See bellow)

(Control buttons)

8. PIP (Picture in Picture).

9: Estimated Time at Arrival / Total Distance Remaining / Total Time Remaining.

10: Instruction for Current Turn. (Press to Access the ***Turn List***)

11. TMC info.

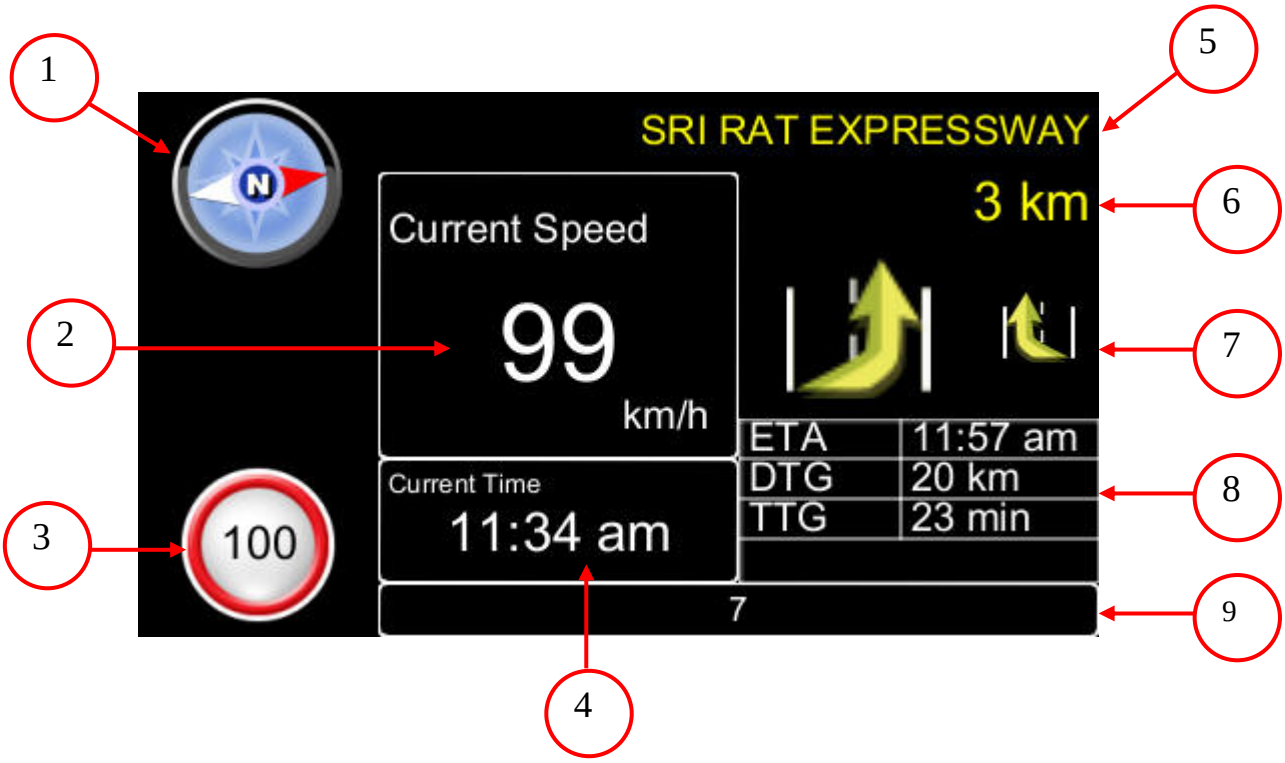
12. Road Sign.

13. Car position： Green (GPS signal good)、Yellow (GPS signal weak)、Red (GPS signal lost)、Gray (Simulation)

14. Lane Marking： Showing the Lane instruction on the road.

HID Mode

In R6.0, there is a new navigation screen mode called HID Mode.



1. Compass

2. Current speed ◦

3. Current Speed limit

4. Current Time

5. Next Turn

6. Distance to the next turn

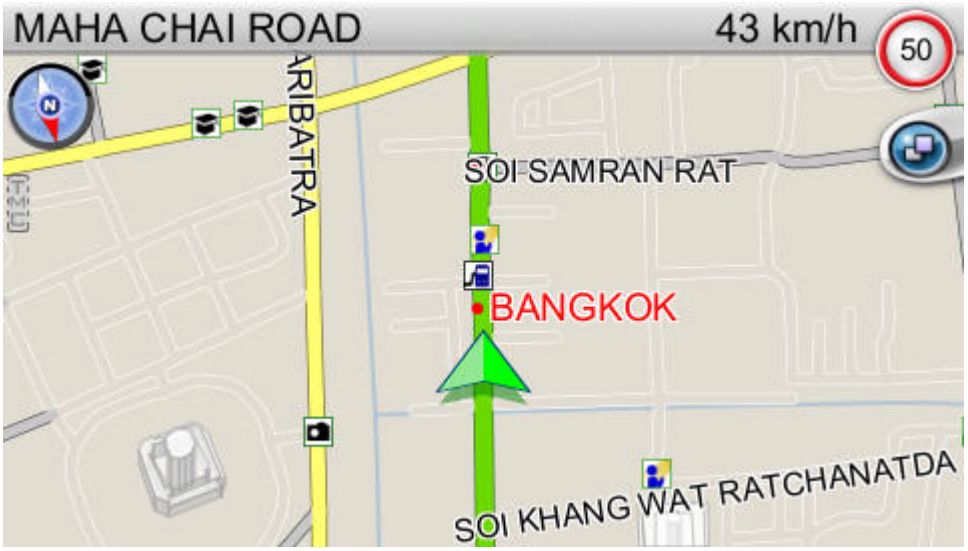
7.: Icon of Next Turn (Big one) and next next turn (small one)

8. **ETA** (Estimated Time of Arrival)
DTG (Distance To Go)
TTG (Time To Go)

9.: Current Road information

4.7 Free Run Screen

The Free Run Screen will appear whenever a route has NOT been set. It is basically a Map Screen with additional information about the current road/city you're driving on, and driving speed. The screen will be centred on your current location (when you have a GPS fix). To exit the ***Free Run Screen***, simply pan the map. To return to the ***Free Run Screen***, press the ***Car Position*.**



5. Finding Destinations

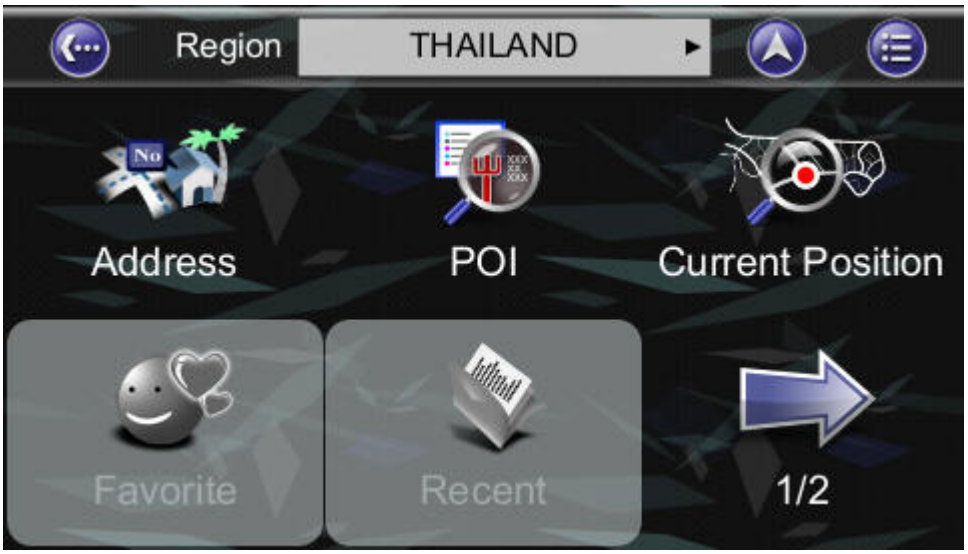
Polnav offers many methods to search for a particular destination. This is useful as you can pinpoint the search locations and minimising your search time. Once a destination has been found, the ***Location Menu*** will appear, and Polnav will calculate a route to the chosen destination when you press the ***Go To Button*** or the ***Add Via*** Button. You can also use the ***Find Men***u to set a ***Starting Point for route simulation***, as explained in the ***Getting Started Tutorial.***

5.1 By Address-City/Postal Code First

Main Menu ->Find ->Address ->City/Postcode
Enter the city name of postal code using the onscreen keyboard. You can also enter a key word if you are unsure of the location as Polnav will list all possible locations with that key word. Once you have found the destination, Polnav will load the Location Menu.

Region
Select a region
Address
POI
Current Position
Favorite
Recent
1/2

Region
SPAIN
SWEDEN
SWITZERLAND
THAILAND
VATICAN CITY
WALES
4/4
Apply Filter


Region
THAILAND
Address
POI
Current Position
Favorite
Recent
1/2

Region
THAILAND
Address
POI
Keyword
Favorite
Recent
1/2

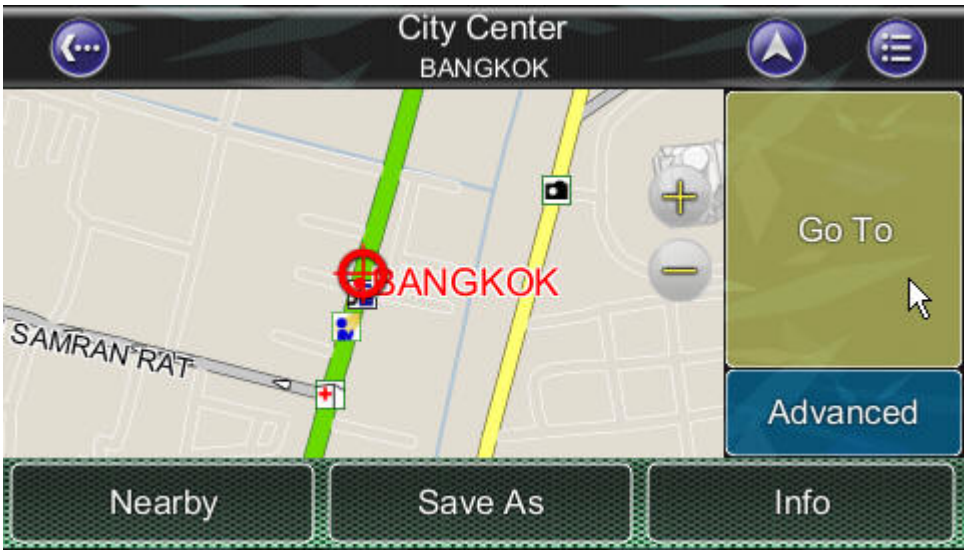
All Cities
<Enter City>
Done
(>300)
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - .
123
ABC
Del
Clear

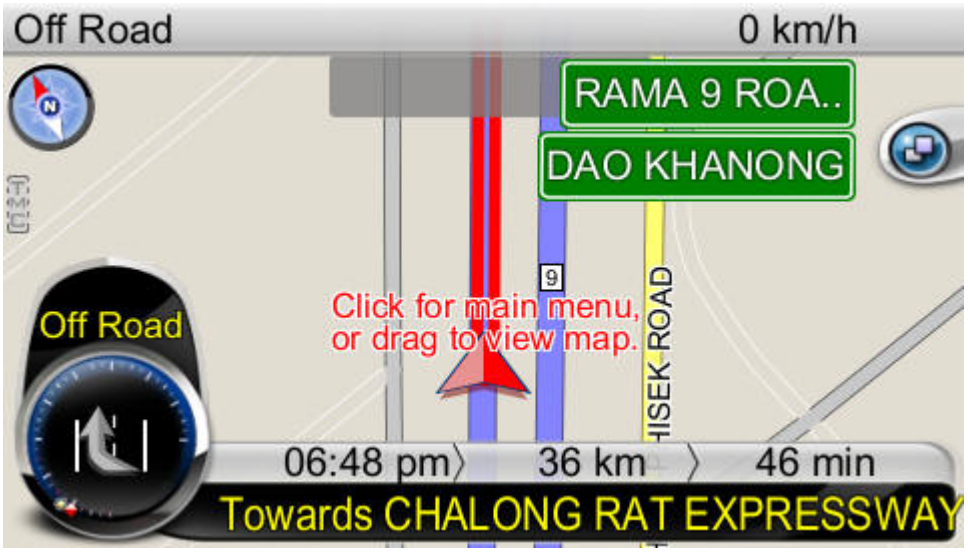
All Cities
BANG
Done
(>300)
BANG
BANG-O
BANGKOK
BANGOI
1/1

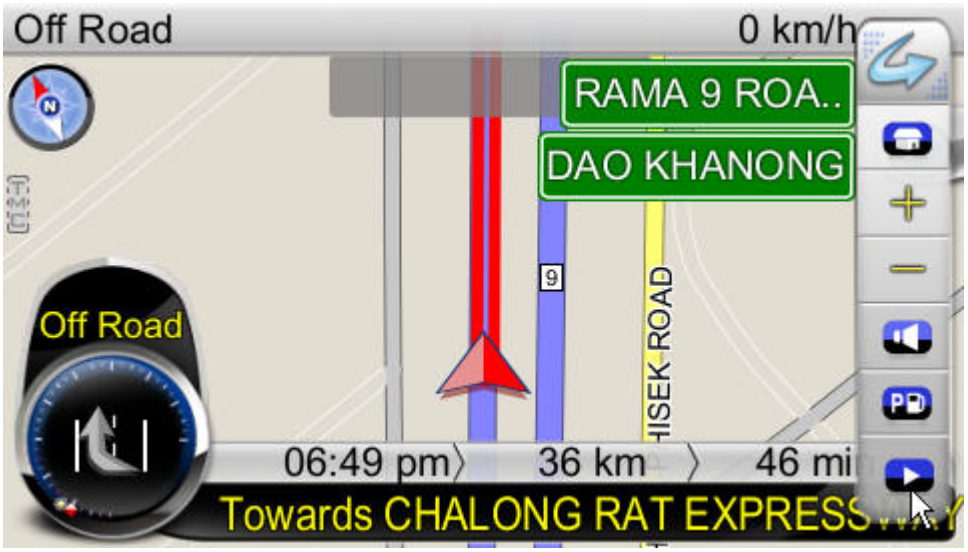
City
BANGKOK
(BANGKOK)
BANGKOK
(SAMUT PRAKAN)
BANGKOK
(SAMUT SAKHON)
BANGKOK
(PATHUM THANI)
1/1
Apply Filter

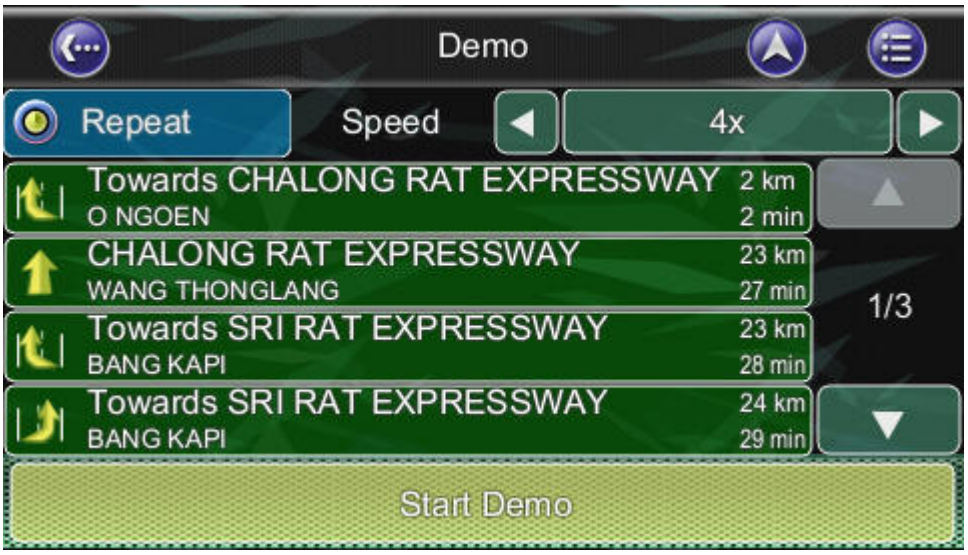
City Center
<Enter Street>_
Done
(>300)
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M -
123
ABC
Del
Clear

City Center
<Enter Street>_
Done
(>300)
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M -
123
ABC
Del
Clear


City Center
BANGKOK
BANGKOK
SAMRAN RAT
Go To
Advanced
Nearby
Save As
Info


Off Road
0 km/h
RAMA 9 ROA..
DAO KHANONG
Off Road
Click for main menu,
or drag to view map.
HISEK ROAD
06:48 pm
36 km
46 min
Towards CHALONG RAT EXPRESSWAY


Off Road
0 km/h
RAMA 9 ROA..
DAO KHANONG
Off Road
HISEK ROAD
06:49 pm
36 km
46 mi
Towards CHALONG RAT EXPRESS


Demo
Repeat
Speed
4x
Towards CHALONG RAT EXPRESSWAY
O NGOEN
2 km
2 min
CHALONG RAT EXPRESSWAY
WANG THONGLANG
23 km
27 min
Towards SRI RAT EXPRESSWAY
BANG KAPI
23 km
28 min
Towards SRI RAT EXPRESSWAY
BANG KAPI
24 km
29 min
1/3
Start Demo

O NGOEN
43 km/h
AIRPORT
CHOT 25 YAEK 1
19
km
06:50 pm
33 km
42 min
CHALONG RAT EXPRESSWAY

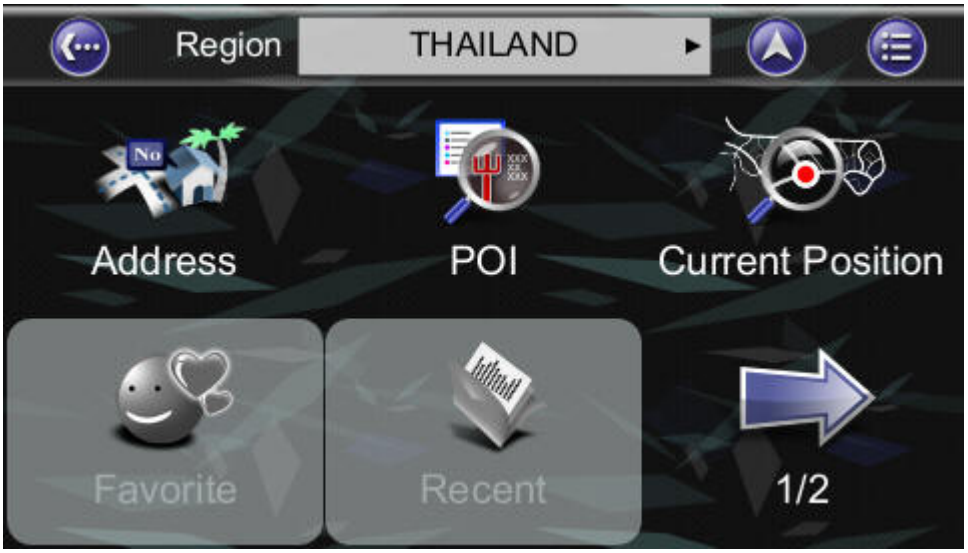
5.2 By Points-of-Interest (POI)

Main Menu ->Find ->POI

You can search for POIs within a country. Points of Interest are local landmarks or interesting places, and are represented by icons on the ***Map Screen***. To simplify searches, POI has been categorized. Once you have found the destination, Polnav will load the Location Menu.

Region
Select a region
Address
POI
Current Position
Favorite
Recent
1/2

Region
SPAIN
SWEDEN
SWITZERLAND
THAILAND
VATICAN CITY
WALES
4/4
Apply Filter


Region
THAILAND
Address
POI
Current Position
Favorite
Recent
1/2

Region
THAILAND
Address
POI
Keyword
Favorite
Recent
1/2

Around City
Near Car
<Enter POI Name>
Done
(>10)
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - . ↑
123
ABC
Del
Clear

Around City
Near Car
GRAND PALACE _
Done
(9)
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - . ↑
123
ABC
Del
Clear

POI
CHUMPHON GRAND PALACE HOTEL
WANG PHAI (77-574800)
EASTERN GRAND PALACE
NA KLUEA
GRAND PALACE
PHRABOROM MAHA RATCHAWANG (2-9342181)
GRAND PALACE
SURAWONG (2-2358949)
1/3
Apply Filter

POI
GRAND PALACE
MAHARAT ROAD
A PHRATHAT ROAD
ANON SANAM CHAI
Go To
Advanced
Nearby
Save As
Info

POI
GRAND PALACE
MAHARAT ROAD
A PHRATHAT ROAD
ANON SANAM CHAI
Go To
Advanced
Nearby
Save As
Info

Main Menu ->Find ->POI -> Around City

You can search for any POI in a city or region. Once you have found the destination, Polnav will load the Location Menu.

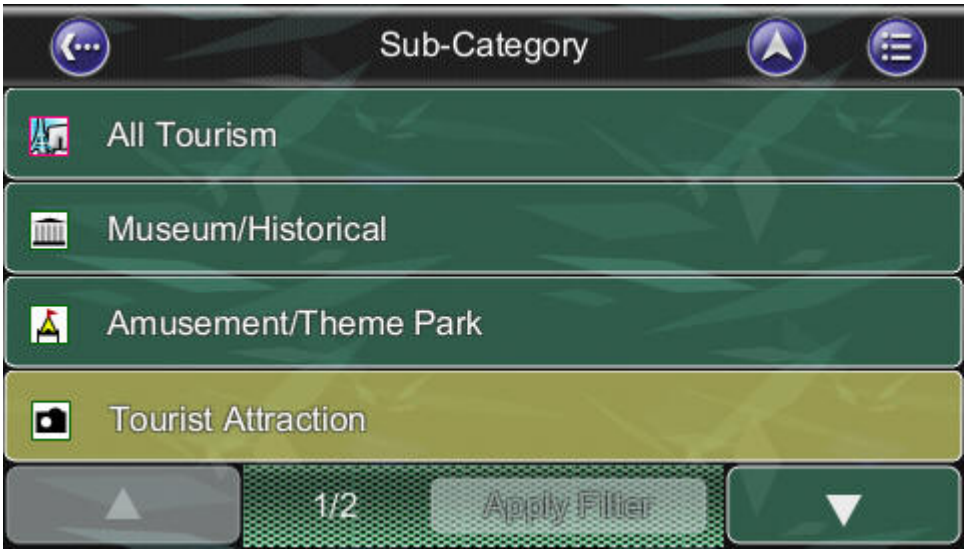
City
<Enter City>
Done
(>300)
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - .
123
ABC
Del
Clear

City
BANG
Done
(>300)
BANG
BANG-O
BANGKOK
BANGOI
1/1

City
BANGKOK
(BANGKOK)
BANGKOK
(SAMUT PRAKAN)
BANGKOK
(SAMUT SAKHON)
BANGKOK
(PATHUM THANI)
1/1
Apply Filter

Category
All Category
Transportation
Shopping
Sport Recreation
1/3
Apply Filter

Category
Entertainment
Tourism
Food Drink
Government Community
2/3
Apply Filter

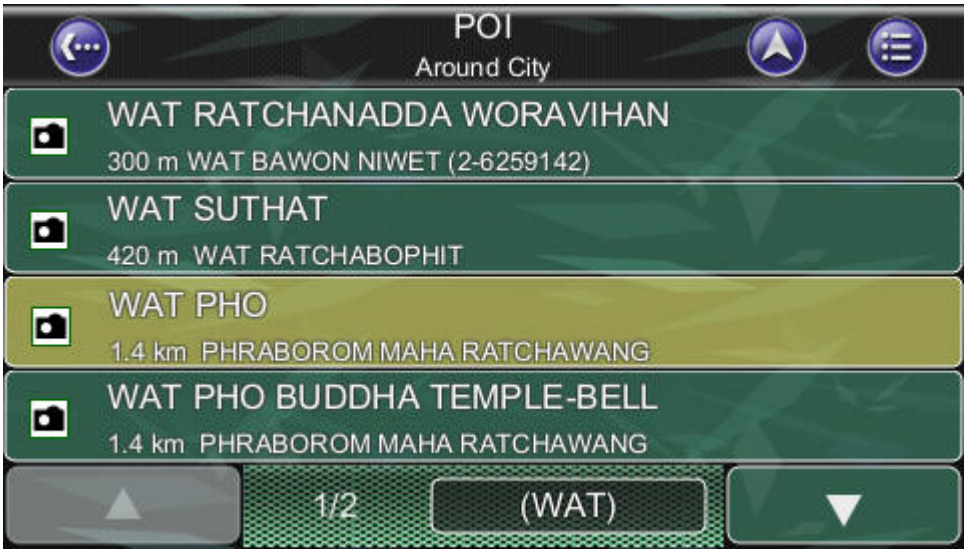

Sub-Category
All Tourism
Museum/Historical
Amusement/Theme Park
Tourist Attraction
1/2
Apply Filter

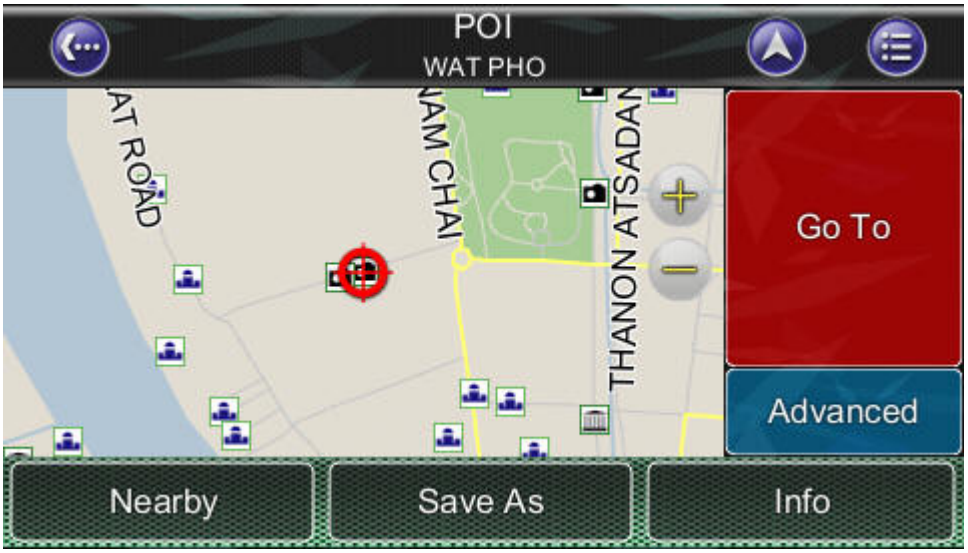
POI
Around City
GOLDEN MOUNT
120 m BANG BAT (2-2255873)
WAT RATCHANADDA WORAVIHAN
300 m WAT BAWON NIWET (2-6259142)
KING PRAJADHIPOK MUSEUM
320 m BANG BAT (2-2803413)
WAT SUTHAT
420 m WAT RATCHABOPHIT
1/33
Apply Filter

POI
Around City
GOLDEN MOUNT
120 m BANG BAT (2-2255873)
WAT RATCHANADDA WORAVIHAN
300 m WAT BAWON NIWET (2-6259142)
KING PRAJADHIPOK MUSEUM
320 m BANG BAT (2-2803413)
WAT SUTHAT
420 m WAT RATCHABOPHIT
1/33
Apply Filter

Enter Filter
<Enter Filter>
Done
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - .
123
ABC
Del
Clear

Enter Filter
WAT
Done
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - .
123
ABC
Del
Clear


POI
Around City
WAT RATCHANADDA WORAVIHAN
300 m WAT BAWON NIWET (2-6259142)
WAT SUTHAT
420 m WAT RATCHABOPHIT
WAT PHO
1.4 km PHRABOROM MAHA RATCHAWANG
WAT PHO BUDDHA TEMPLE-BELL
1.4 km PHRABOROM MAHA RATCHAWANG
1/2
(WAT)

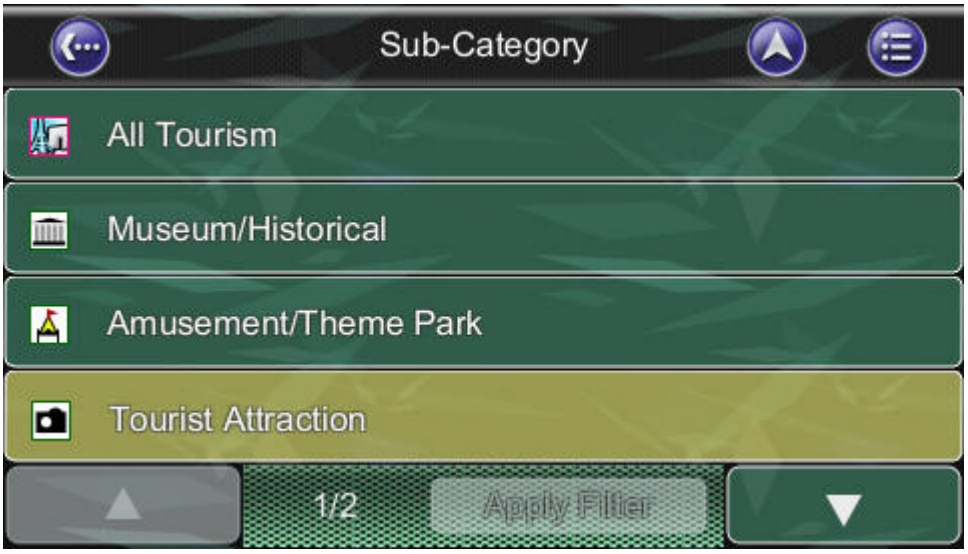

POI
WAT PHO
Go To
Advanced
Nearby
Save As
Info

Main Menu ->Find ->POI ->Near Car

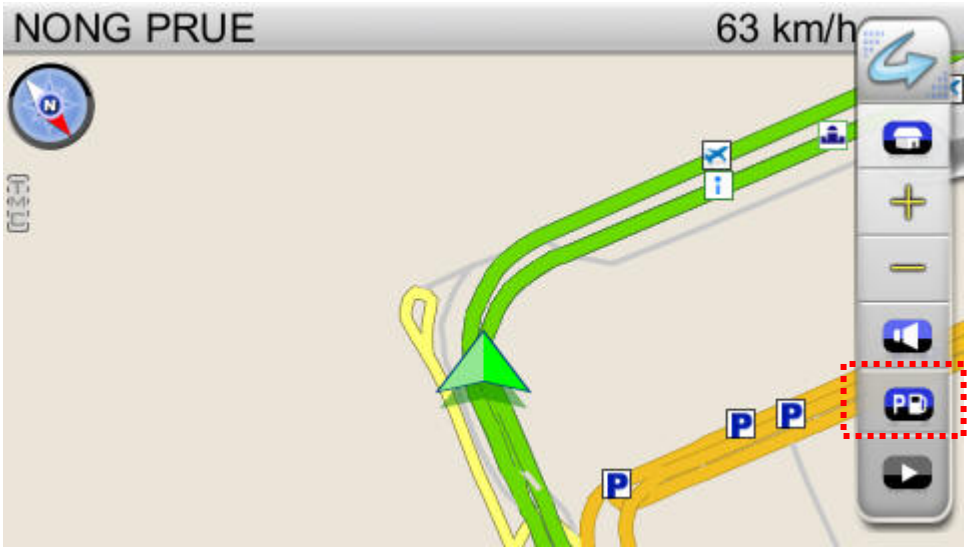
List maximum 300 POIs within 50 kilometers from your current location. Once you have found the destination, Polnav will load the Location Menu.

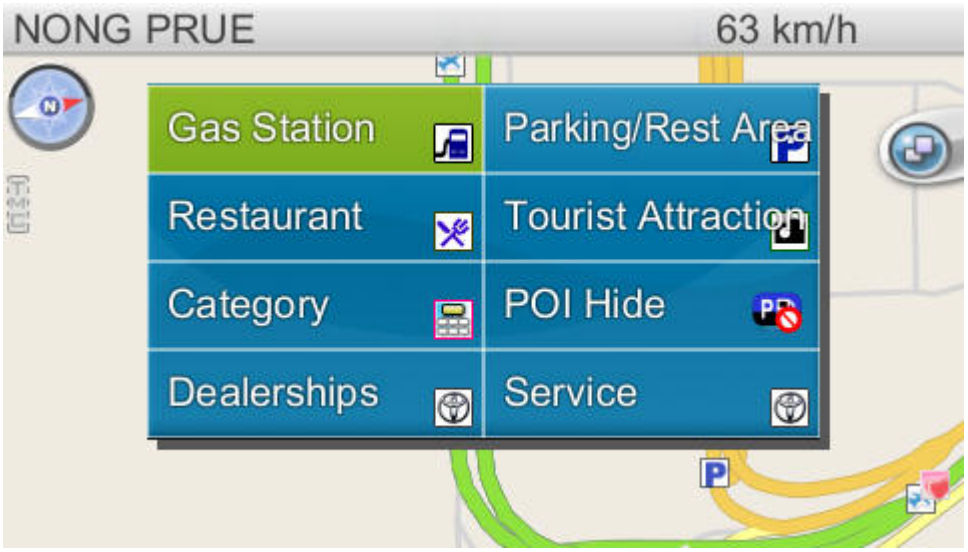
Category
All Category
Transportation
Shopping
Sport Recreation
1/3
Apply Filter

Category
Entertainment
Tourism
Food Drink
Government Community
2/3
Apply Filter


Sub-Category
All Tourism
Museum/Historical
Amusement/Theme Park
Tourist Attraction
1/2
Apply Filter

Or, you could choose the ***Sub Menu*** on the map to see the Nearby POI.





5.3 By Keyword

Main Menu ->Find ->Keyword

Polnav allows users to find a POI by entering the Keyword. When entering the keyword, user can enter some of the characters of the POI name as well as space, numbers…etc. The sequence of the result list is sorted by the distance. The maximum searching distance is 2,000 kilometers and maximum lists the 300 POIs that were previously in sequential order for convenience should you decide to revisit the same place in the future.

Keyword
_
Done
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - . ↑
123
ABC
Del
Clear

Keyword
GRAND P_
Done
1 2 3 4 5 6 7 8 9 0
Q W E R T Y U I O P
A S D F G H J K L
Z X C V B N M - . ↑
123
ABC
Del
Clear

Keyword
(2000 km)
GRAND PALACE
5 km SW, THANON NA PHRA LAN, PHRABOROM MAHA RATCHAWAN
GRAND PALACE
5 km South, MAHESAK ROAD, SURAWONG
GRAND MERCURE BANGKOK PARK AVENUE
5 km SE, SOI SUKHUMVIT 22, KHLONG TOEI
PHEAT PAISAN GRANDNIC CO. LTD.
5 km NE, THANON RATCHADA PHISEK, LAT YAO
4/17
(Stop)

POI
GRAND PALACE
NA PHRATHAT ROAD
Go To
Advanced
Nearby
Save As
Info

5.4 By Favorite

Main Menu ->Find ->Recent

Polnav stores and lists the 50 destinations that were previously in sequential order for convenience should you decide to revisit the same place in the future.

Favorite
KING RAMA V STATUE
เรดรูม
เจบชซล
(Most Favorite)
126/PHYASUE SOI 5
GEOLOGICAL MUSEUM
RUA GLOBO DO SOL
SUVARNABHUMI INTERNATIONAL AIRPORT
VIMANMEK MANSION DUSIT PALACE
1/2
Apply Filter

Favorite
KING RAMA V STATUE
เรดรูม
เจบชซล
(Most Favorite)
126/PHYASUE SOI 5
GEOLOGICAL MUSEUM
RUA GLOBO DO SOL
SUVARNABHUMI INTERNATIONAL AIRPORT
VIMANMEK MANSION DUSIT PALACE
1/2
Apply Filter

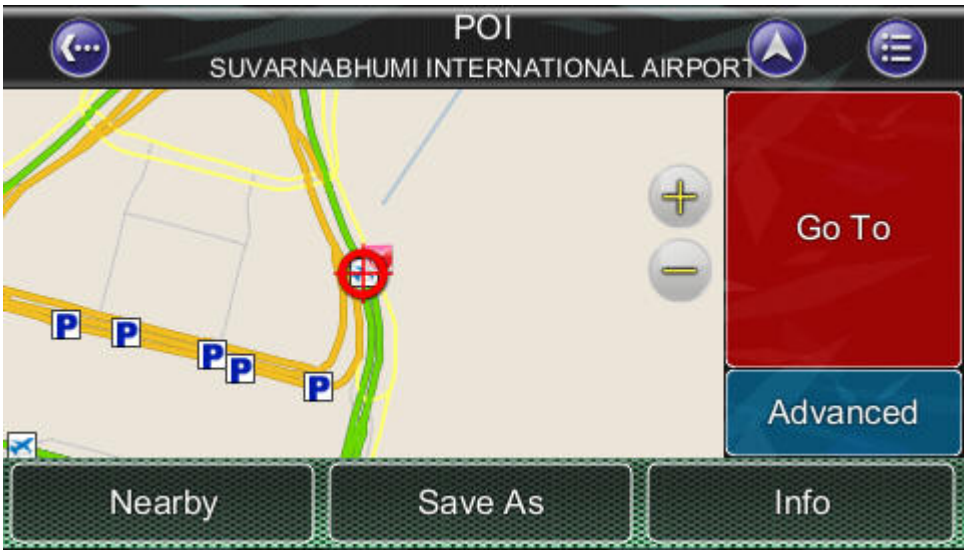
Favorite
เรดรูม
PHISEK 36 YAEK 3
RATCHADAPHISEK 36
SOI LAT PHRAO WANG HIN 65
Go To
Advanced
Nearby
Save As
Info

5.5 By Recent Destinations

Main Menu ->Find ->Recent

Polnav stores and lists the 50 destinations that were previously in sequential order for convenience should you decide to revisit the same place in the future.

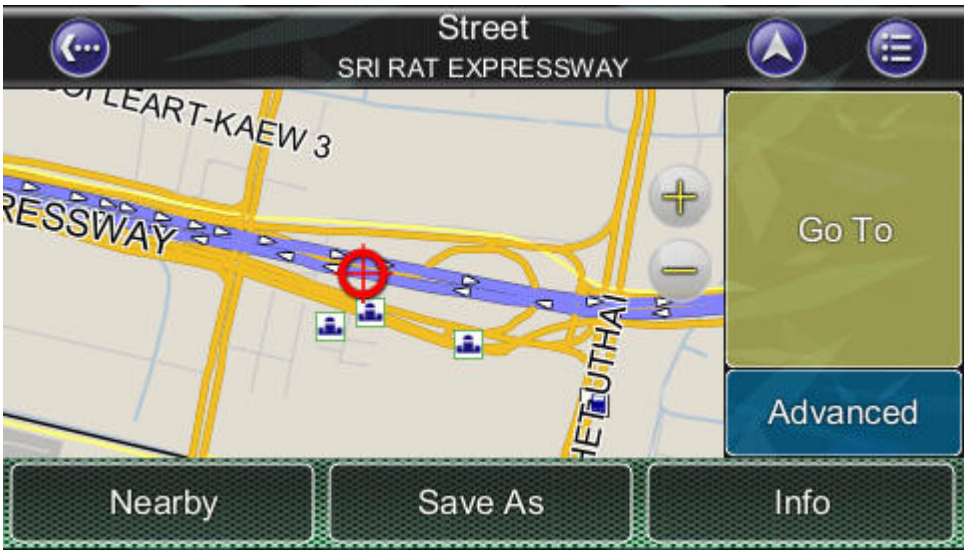
Recent
BANGKOK
SUVARNABHUMI INTERNATIONAL AIRPORT
NONG PRUE (2-1321888)
BUE RE
PATTANI
Anonymous Road
BUE RE
2/13
Apply Filter


POI
SUVARNABHUMI INTERNATIONAL AIRPORT
Go To
Advanced
Nearby
Save As
Info

5.6 By Current Position

Main Menu ->Find ->Current Position

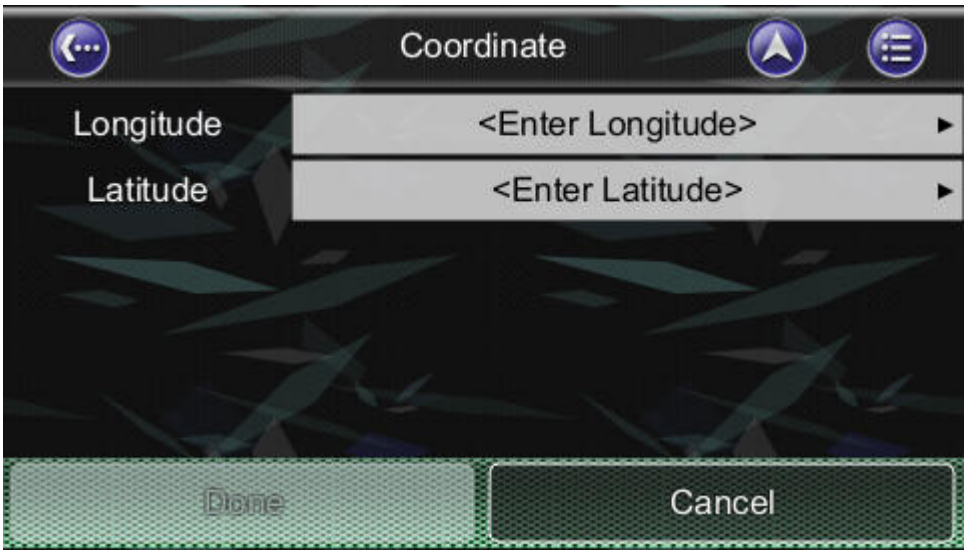
Polnav stores and lists the 50 destinations that were previously in sequential order for convenience should you decide to revisit the same place in the future.

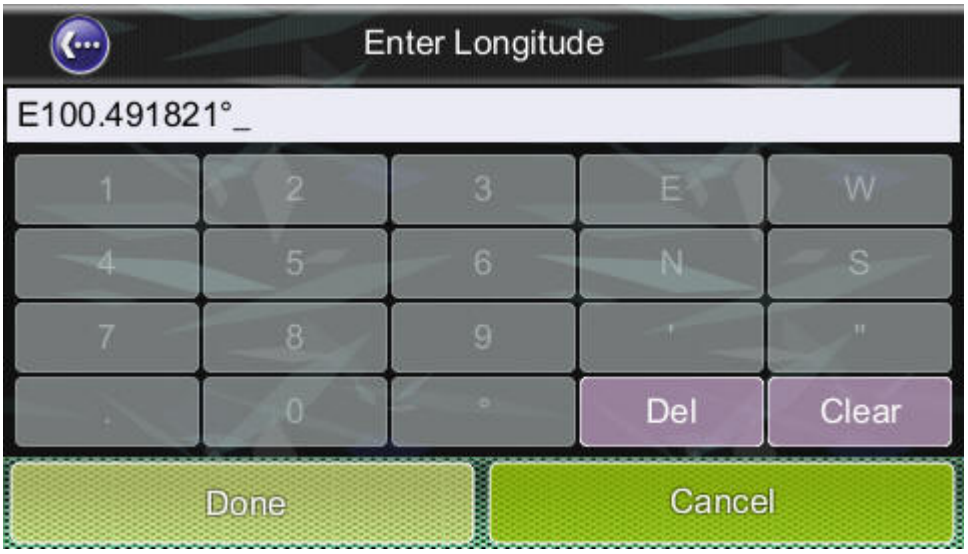

Street
SRI RAT EXPRESSWAY
LEART-KAEW 3
RESSWAY
Go To
Advanced
Nearby
Save As
Info

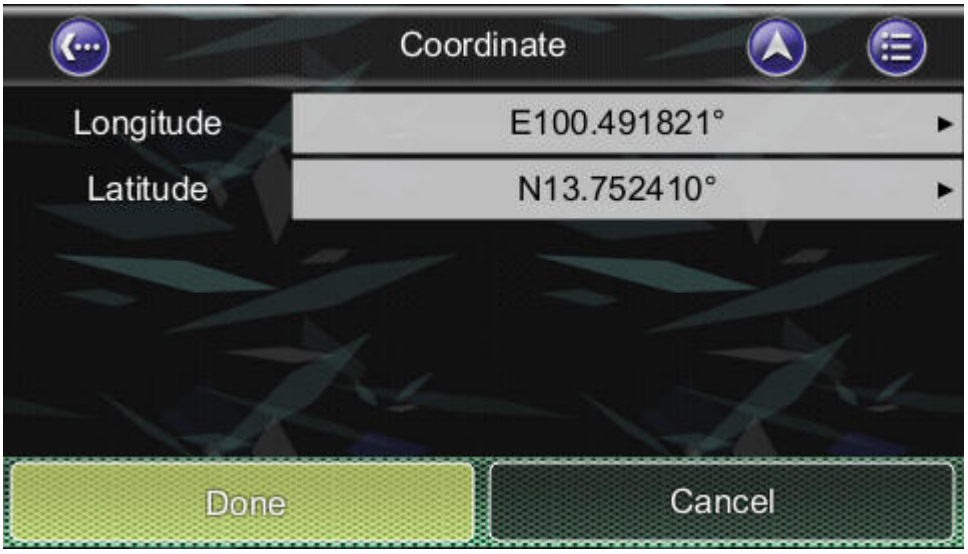
5.7 By GPS Coordinates

Main Menu ->Find ->Coordinates

You can enter GPS coordinates of a location if it is known. The following notation is used to input latitude and longitude coordinates in Degree: **E 100.491821˚'** and **N 13.7524104˚**.
The format when entering the coordinates could also in sexagesimal system. For example, **E 12**1**˚0'5.2''** and **N 24˚47'30.1''**.


Coordinate
Longitude
<Enter Longitude>
Latitude
<Enter Latitude>
Done
Cancel


Enter Longitude
E100.491821°_
1
2
3
E
W
4
5
6
N
S
7
8
9
'
"
.
0
°
Del
Clear
Done
Cancel


Coordinate
Longitude
E100.491821°
Latitude
N13.752410°
Done
Cancel

5.8 By Photo

Main Menu ->Find ->Photo

Polnav could use JPEG/EXIF file to get the location. EXIF (EXchangeable Image File) data could save the information in the JPEG file when taking the picture by digital camera.

If the JPEG photo does not include the coordinate data, Polnav will not adapt it and the "OK" button will not be allowed to press.

PS. The default folder for the picture is in the \Photo folder, you could press the "**..** " (at the top left) and go to upper directory.

5.9 By POI Category

Main Menu ->Find ->Category

Polnav allows user to search a destination by POI Category.

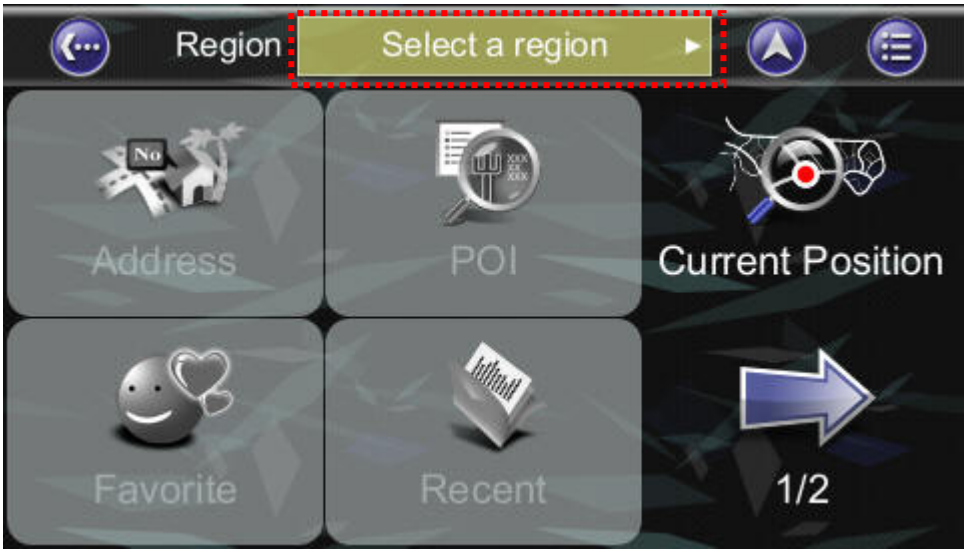
Category
All Category
Transportation
Shopping
Sport Recreation
1/3
Apply Filter

5.10 Entering Information

When performing searches, you will be prompted with the onscreen keyboard to enter keywords for the search. You can alternate between alphabetical letters (ABC) and numbers/symbols (123) by pressing the ***Switch Button***.

5.11 Searching in Different Countries

If you want to change the country you are searching, press the ***Country Name Tab*** when in one of the Submenus of the ***Find Menu:***



Note: Before you can search for places in a country, you must have the map of the region. Polnav lists all the maps you have installed in the Country List, so if the country is not listed, it means that you either don't have the map for that country, or that the map for that country has not been installed.

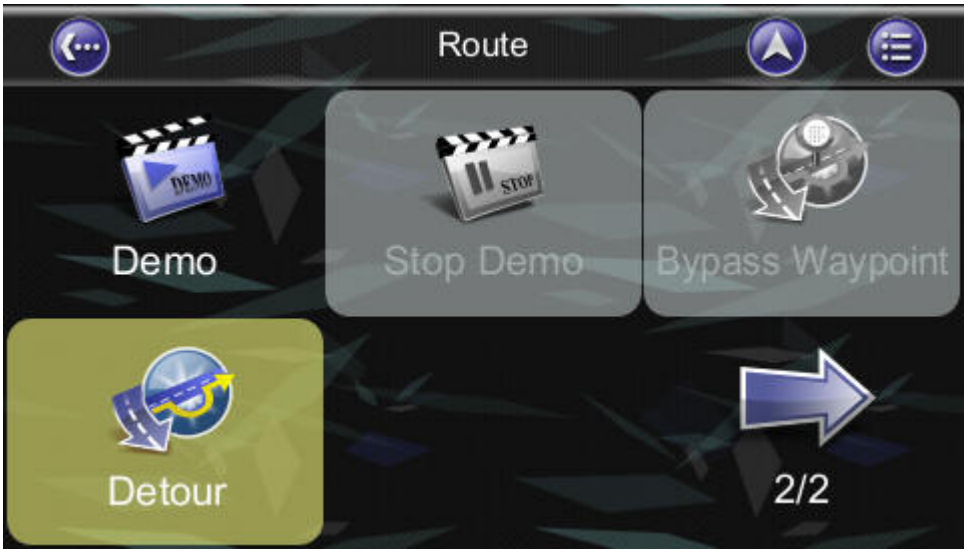
Note: You can perform international searches and calculate international routes if you have the maps of the relevant countries.

6. Advanced Routing Features

6.1 Making Detours

Route ->Turn List ->Select the street or location ->Detour

The route is recalculated to take a detour around the location or street.

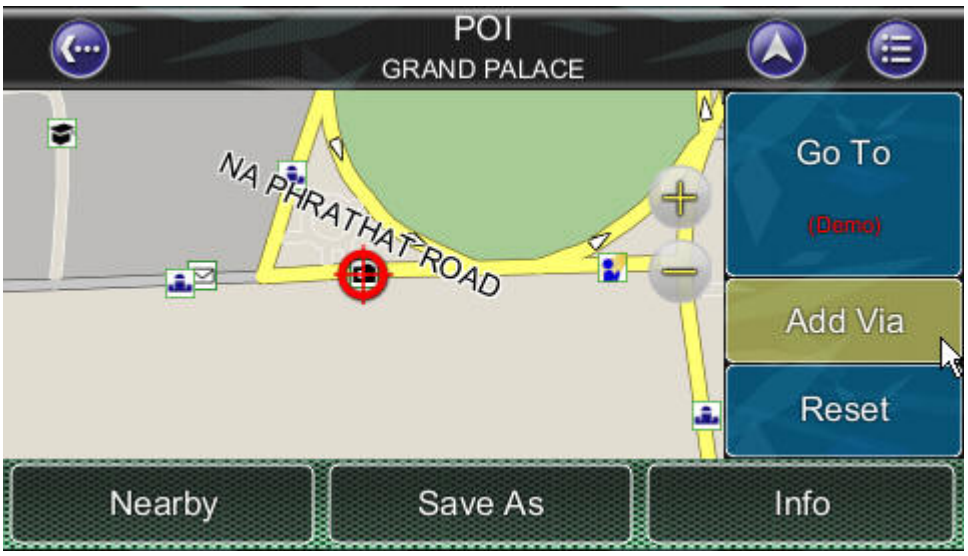


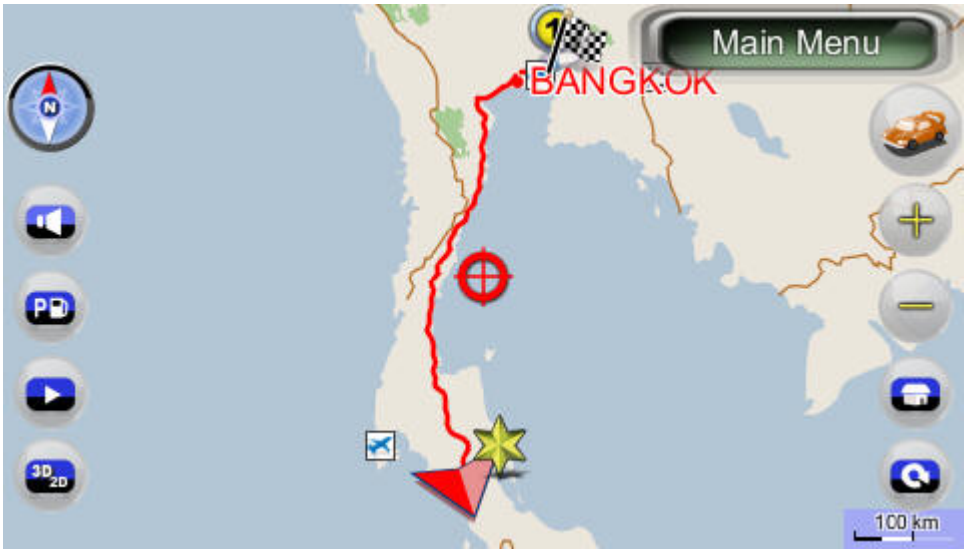
Route
1 km (0.6 mi)
3 km (2 mi)
10 km (6 mi)
30 km (20 mi)
50 km (30 mi)
100 km (60 mi)
Detour
2/2

6.2 Adding Intermediate Waypoints

Map Screen ->Select a location ->Location Menu -> Advanced -> Add Via
Or
Main Menu ->Find ->Find a destination ->Location Menu -> Advanced ->Add Via

You can add additional waypoints en route to your destination by using the ***Add Via Button***. Simply find a destination using the ***Find Menu*** or by selecting it from the ***Map Screen***. Once in the ***Location Menu***, press the ***Add Via Button***. This location will be placed between your starting/current and final destination. For multiple waypoints, they are added in sequential order for convenience. You can manage the list of intermediate waypoints using the ***Itinerary List***.





6.3 Changing the End Destination

Map Screen ->Select a location ->Location Menu ->Go To ->Extend

Or **Main Menu ->Find ->Find a destination ->Location Menu ->Go To ->Extend**

You can add a ***new destination*** to the ***end of your route list*** using this method.

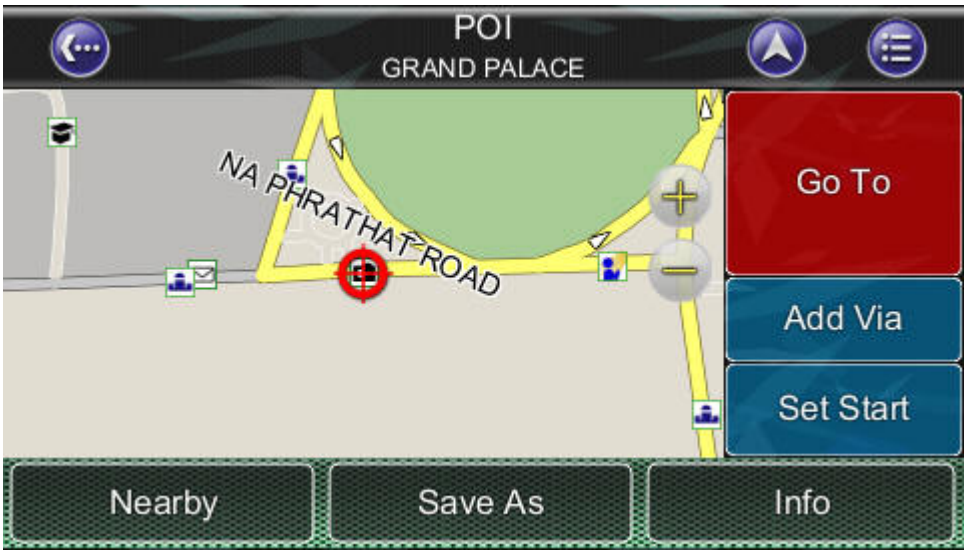
Map Screen ->Select a location ->Location Menu ->Go To ->Replace

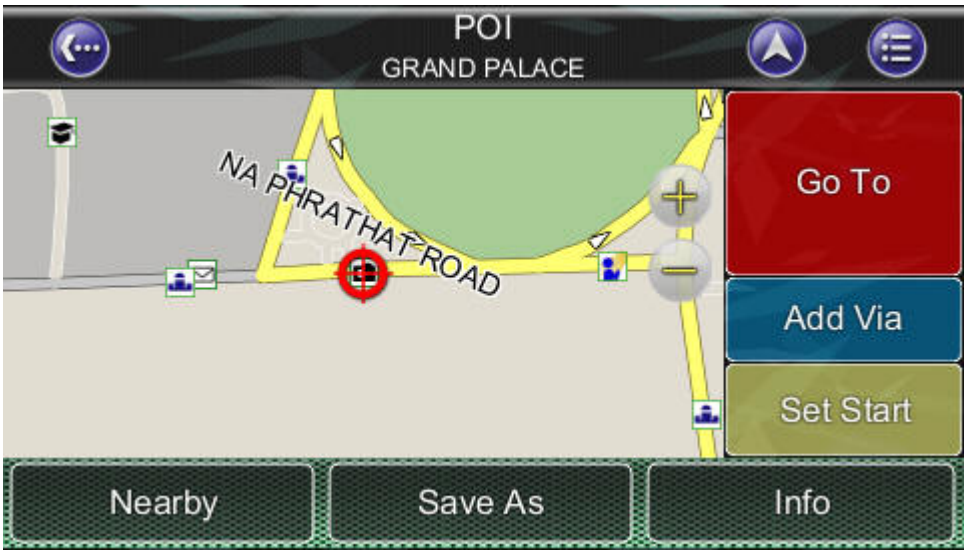
Or **Main Menu ->Find ->Find a destination ->Location Menu ->Go To ->Replace**

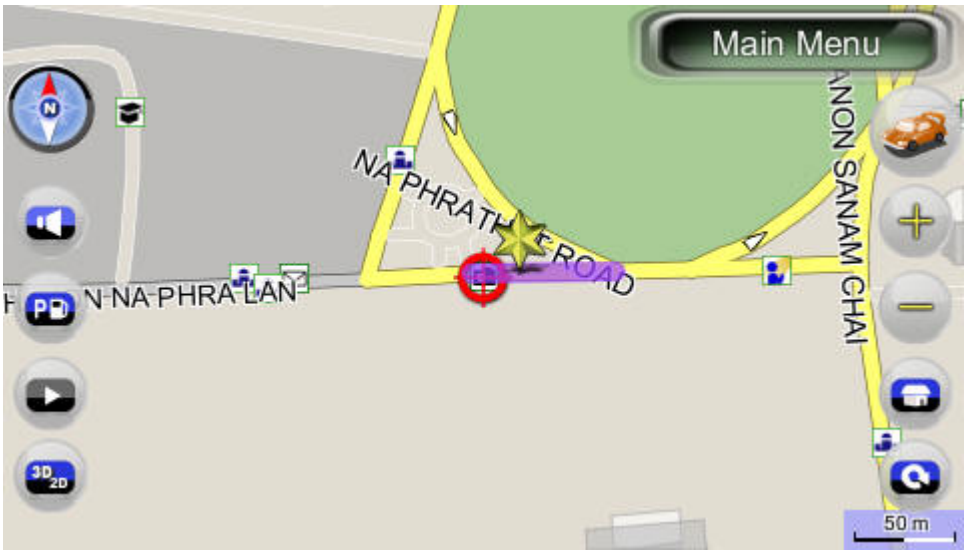
The Replace button replaces the end destination with the one you have just selected. All waypoints between the starting/current location and the end location will remain the same.

6.4 Setting Starting Locations/Clearing Routes/Setting Simulated Starting Locations

By either selecting a location in the ***map screen*** or from ***Find menu***, Polnav will enter ***Location menu***, in which you can set a start point for simulation purpose.
If you would like to plan a new route to a destination, you can use the ***Reset*** function to delete the current route from memory. This works for both simulation and actual GPS navigation. You can also use this function to select a new starting location for simulation. If you are clearing a route then setting a new starting point, you need to do this twice.

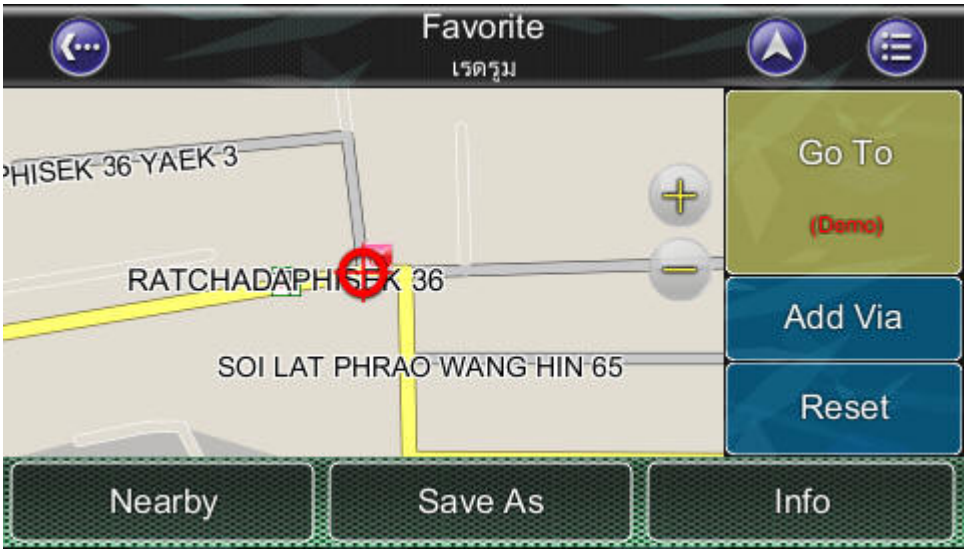



POI
GRAND PALACE
NA PHRATHAT ROAD
Go To
Add Via
Set Start
Nearby
Save As
Info


Main Menu
NA PHRATHAT ROAD
N NA PHRA LAN
NON SANAM CHAI
50 m

Polnav Car Navigator
Main Menu
Find
Map
Route

Recent
GRAND PALACE
PHRABOROM MAHA RATCHAWANG (2-9342181)
เรดรูม
E100.491821°
N13.752410°
SRI RAT EXPRESSWAY
BANG KAPI
1/13
Apply Filter

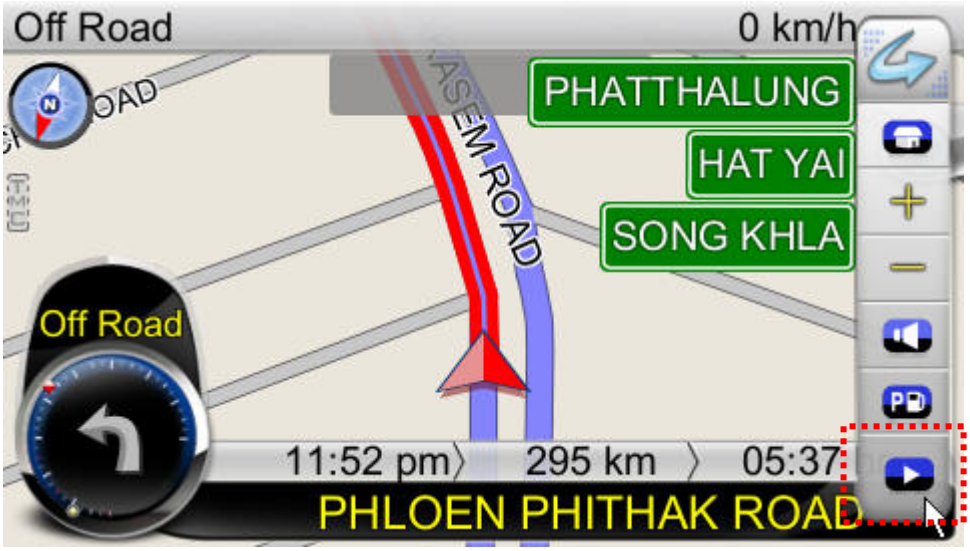

Favorite
เรดรูม
PHISEK 36 YAEK 3
RATCHADAPHISEK 36
SOI LAT PHRAO WANG HIN 65
Go To
(Demo)
Add Via
Reset
Nearby
Save As
Info

City Center
BUE RE
34%
<20119>
Go To
(Demo)
Add Via
Reset
Nearby
Save As
Info

6.5 Route Simulation

Polnav allows you to ***simulate*** the route to your destination without the need for GPS fixes.
Simply set a ***destination point*** and ***intermediate waypoints*** if needed.

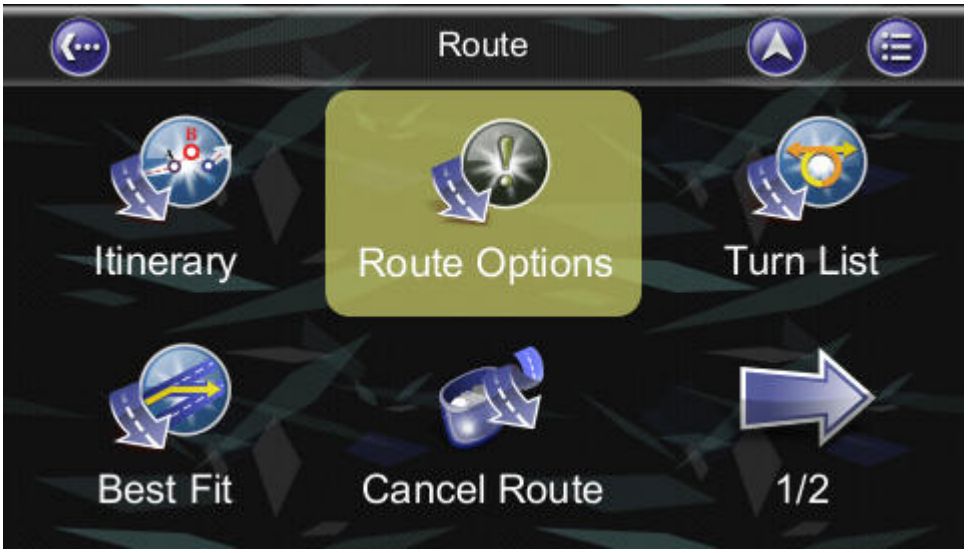
Press the “Go To”, to calculate the route. After calculating the route, please press “**Demo**” button in the sub menu to start Route Simulation.



THAP THIANG
47 km/h
50
ALUNG
HAT YAI
SONG KHLA
SOI SINGTHONG
NCHAI ROAD
540
m
11:52 pm
295 km
05:37 hr
PHLOEN PHITHAK ROAD

6.6 Changing Routing Options

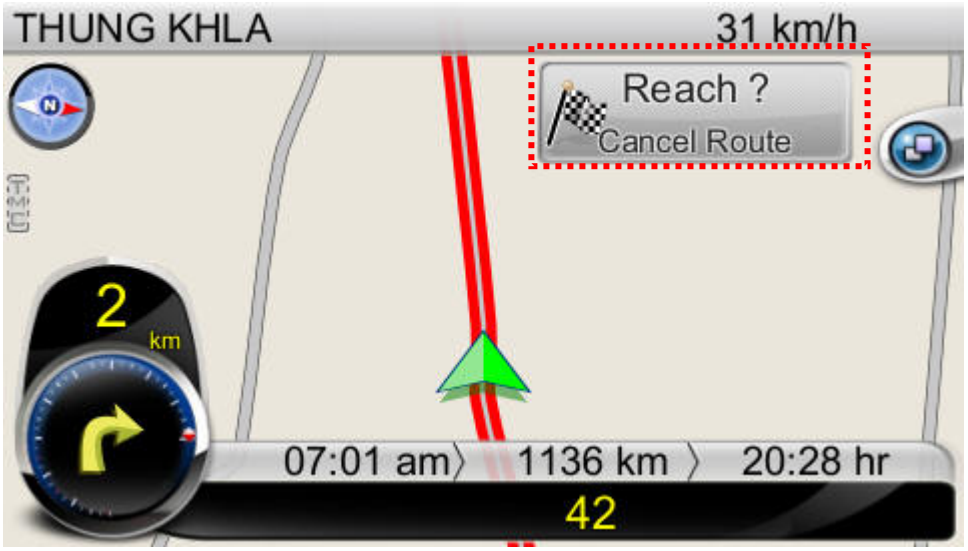
Please refer to the ***Route Settings Section***, under the ***Configuring the Polnav Section*** of this Manual. (Please refer **Section 9.12 Route Options**)



(Please refer **Section 9.12 Route Options**)

6.7 Cancel Route

When approaching the waypoint or destination, there is a prompt window on the top left side of the screen. It allows users to cancel the routing plan to the waypoint or destination. The pop-up window shows in 500 meters as crow-fly distance.



7. Route Management

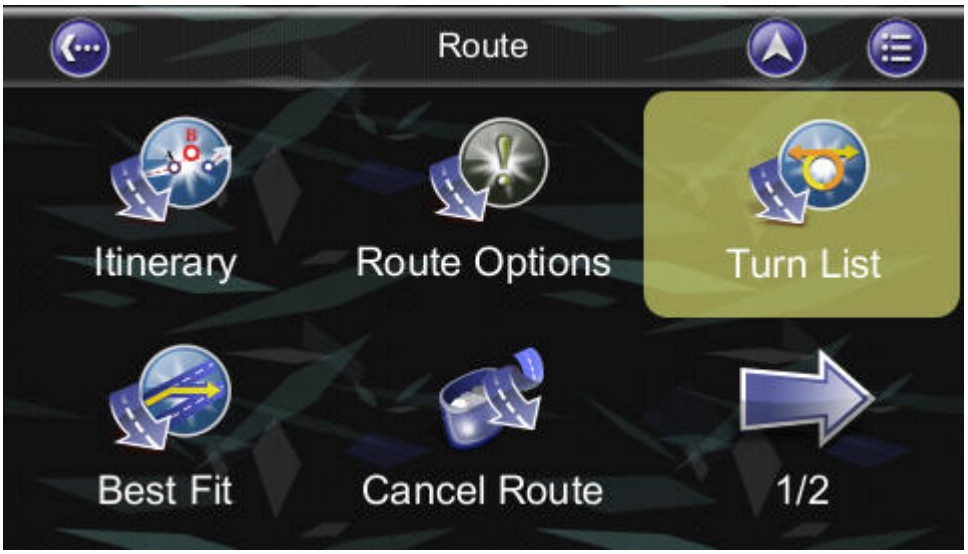
7.1 Route information

It includes information such as the ***distance remaining*** until next waypoint, ***travel time*** and ***arrival time***.

7.2 Turn List

Main Menu ->Route ->Turn List

The Turn List is a list of all corners and roundabouts (***turns***) you will pass on the way to your destination. To view a turn, press its panel on the ***Turn List***. This will load a map showing the location of the turn.



7.3 Itinerary List

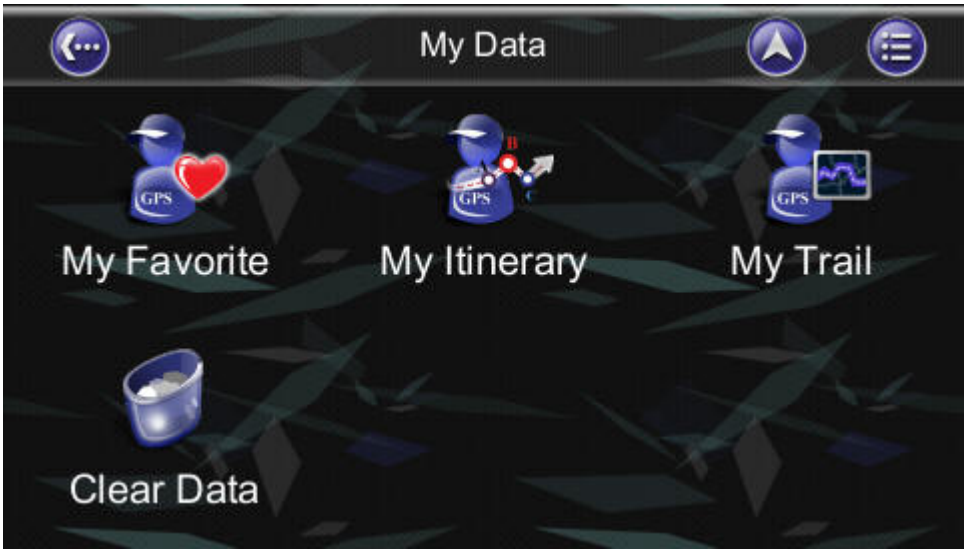
Map Screen ->Route ->Itinerary

The Itinerary List is a list of user defined intermediate waypoints you can set on the way to your destination.

Press the ***Change Button,*** you delete waypoints or adjust the sequence of the waypoints.

To add waypoints, press the ***Add Button.***

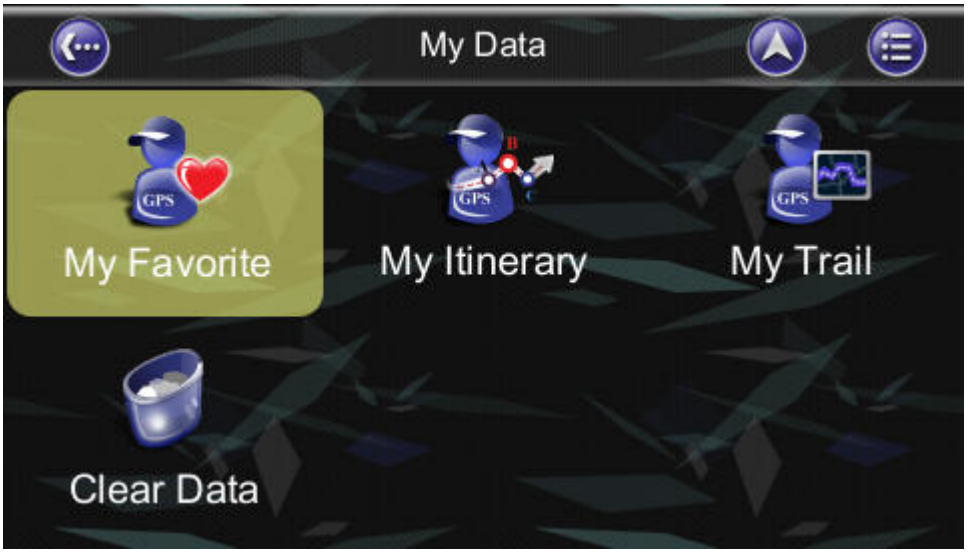
8. Managing Favourites, Itineraries and Trails

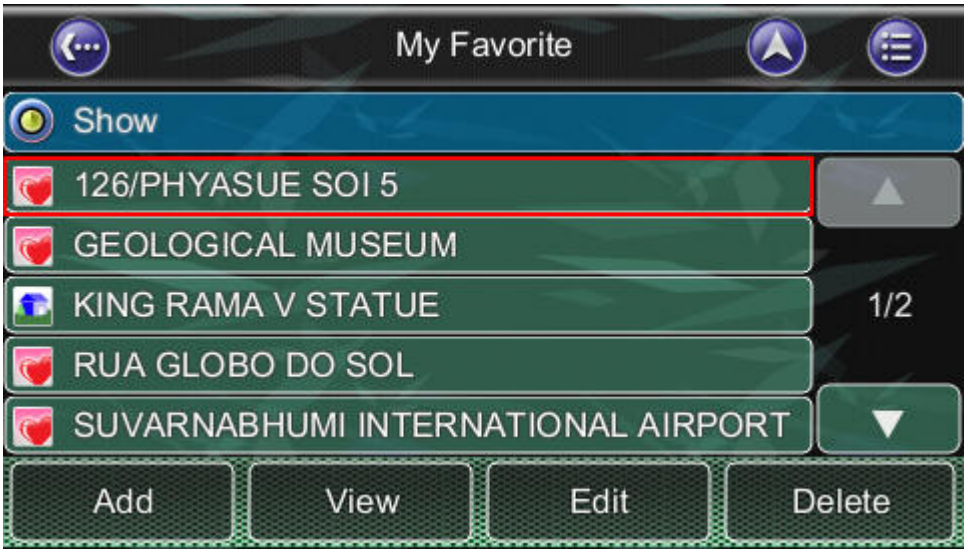


8.1 My Favourites

Main Menu ->My Data ->My Favourite

You can edit your ***Favourite*** destinations by accessing the ***My Favourites Menu***. You can add the places of Favourites.

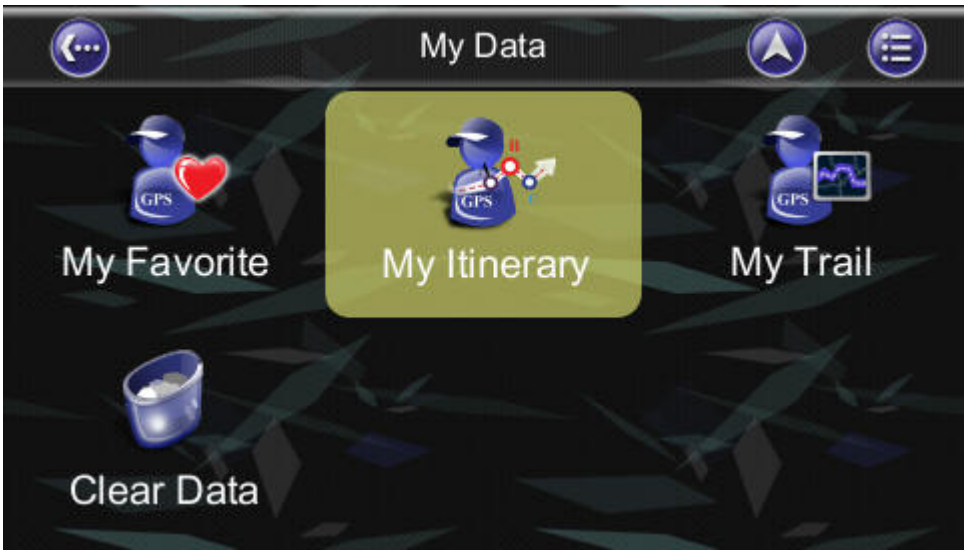




8.2 My Itinerary

Main Menu ->My Data ->My Itinerary

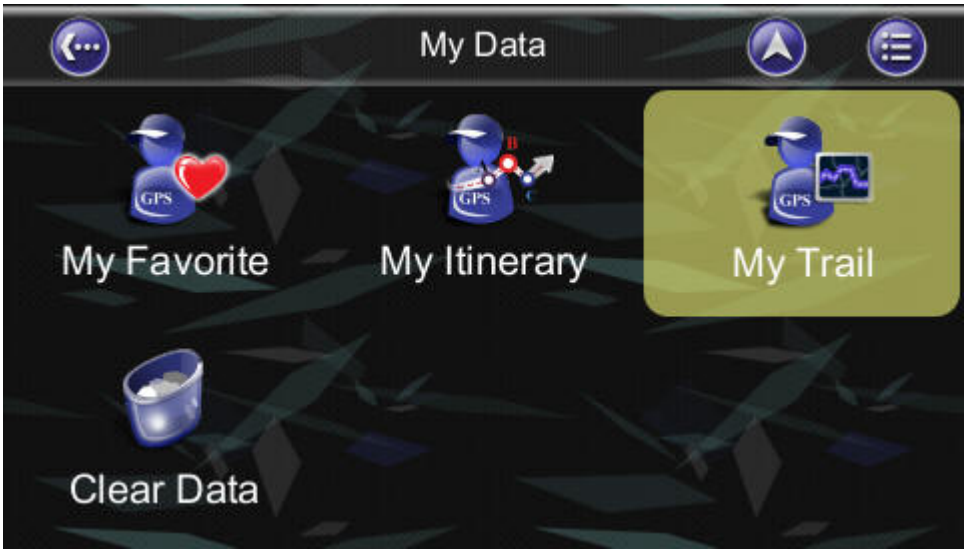
You can retrieve a planned itinerary by pressing ***Load Button***. After having a loaded itinerary (current itinerary), you can add, edit or save the itinerary. If a route already exists before you retrieve an itinerary, a warning message will be shown.

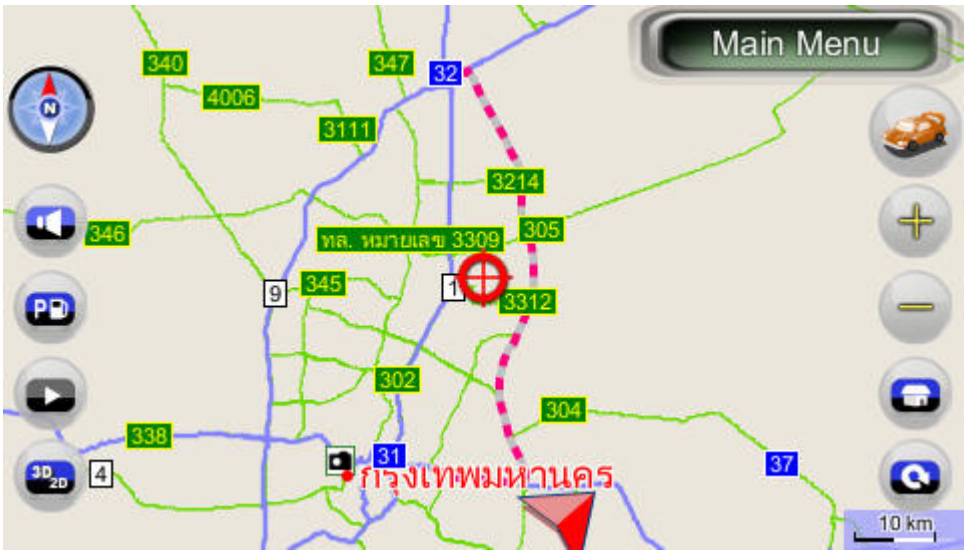


8.3 My Trail

Main Menu ->My Data ->My Trail

You can show a trail on the ***map screen*** by pressing ***Show Button. Show/Hide*** is toggled.



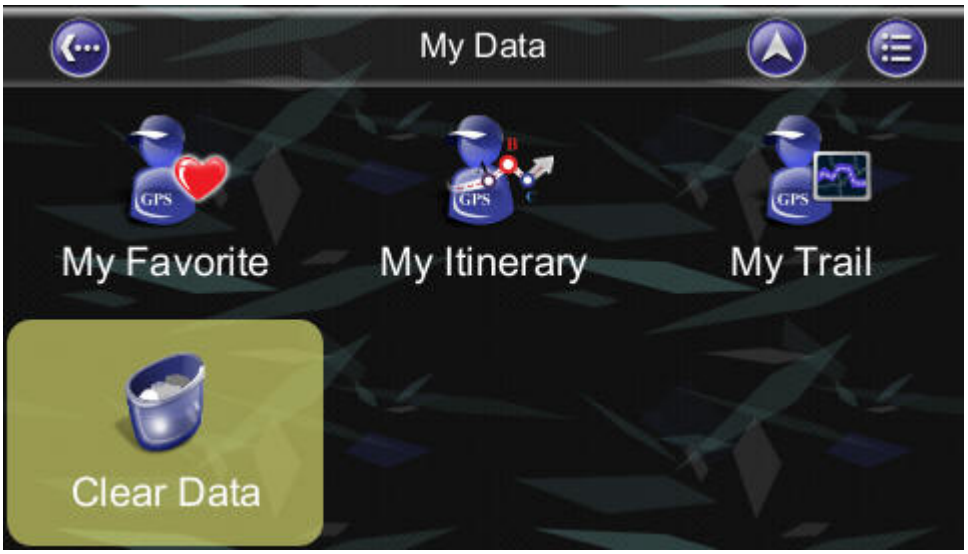


Trail settings allow you to record and name the travel tracks/routes you have taken to your destination when you have a valid GPS fix for future reference. You can save these and load (display) them at a later date. This is particular useful for off-road situations where no route can be calculated to your destination. Only one trail can be displayed at any time.

8.4 Clear Data

Main Menu ->My Data ->Clear Data

You can clear the data you have saved here.

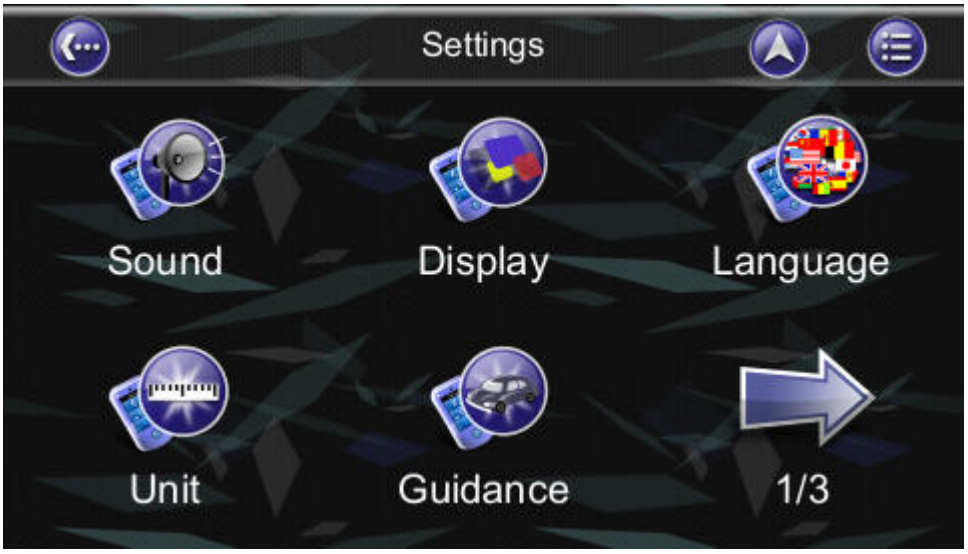


9. Configuring the Polnav

To change the software settings, press the Settings button on the Main Menu. Polnav offers a high degree of personalisation settings, as well as normal system settings. You can access these settings from the **Main Menu ->Settings Menu**.

9.1 General

Main Menu ->Settings



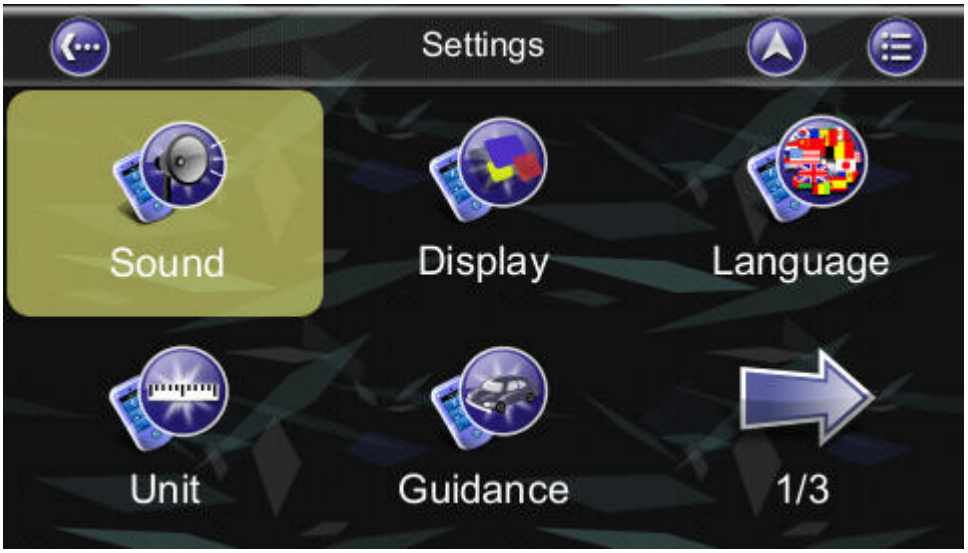
Settings
Time Zone
Safe Mode
Speed Alert
POI Icon
Trail
2/3

Settings
Factory Default
GPS Port
TMC Port
TMC Tuner
3/3

9.2 Volume

Main Menu ->Settings ->Sound

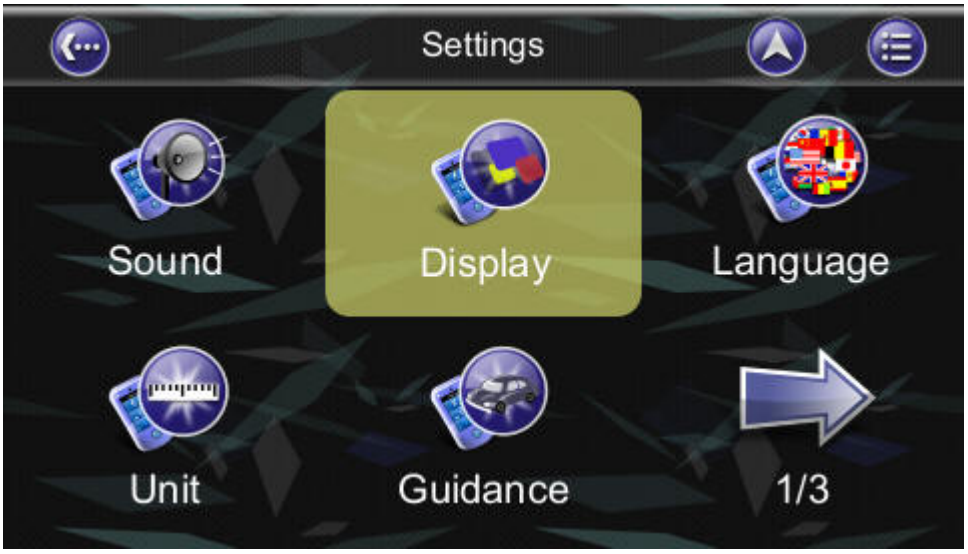
You can adjust the volume of the voice prompts and sound effects here, as well as enabling sound/disabling sound.

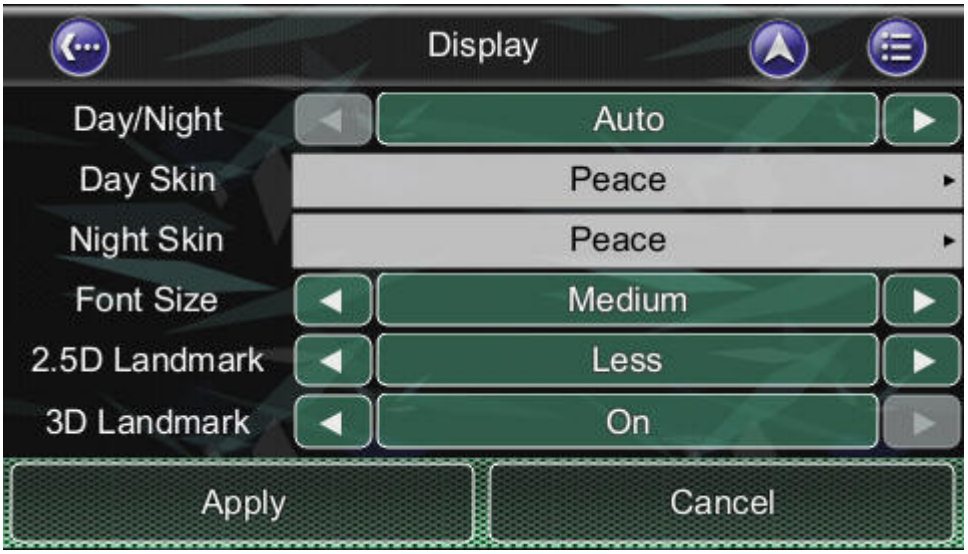


9.3 Display Options

Main Menu ->Settings ->Display

The ***Display Menu*** allows you to change the display features used by Polnav. You can adjust the colour scheme to suit your current lighting conditions for ease of visibility, the 3D view angle and font size. The ***Automatic Colour Scheme Mode*** changes the colour scheme automatically at sunrise and sunset each day.

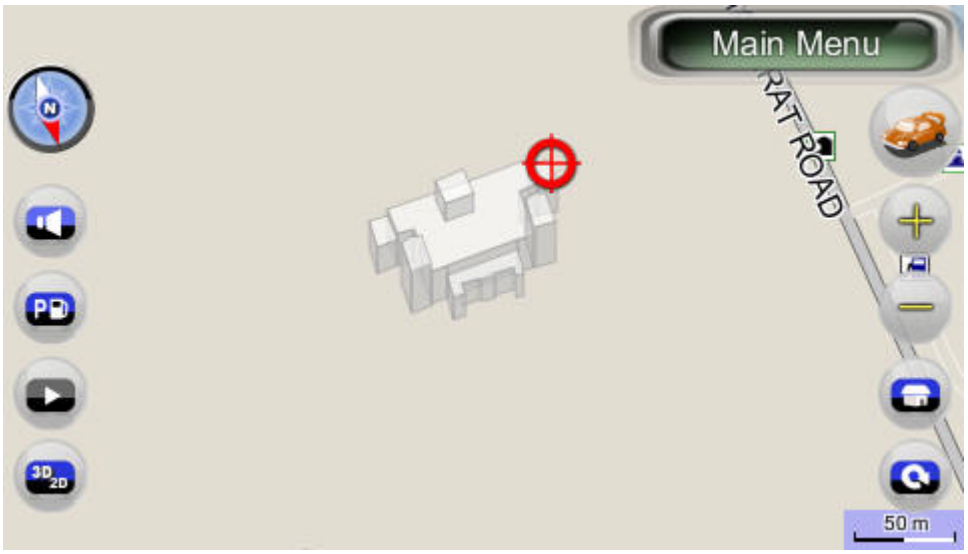




The 2.5D Landmark and 3D Landmark functions are **optional**. If you've purchased these functions, you'll be able to choose these functions:

3D LandMark enable

3D LandMark / 2.5D City Model disable



2.5D enable

9.4 Language

Main Menu ->Settings ->Language

The ***Language Menu*** allows you to change the Settings of Polnav for use in different countries. You can change the ***Text*** and ***Voice*** prompts used by Polnav. To switch dual language map's text, please kindly change the Map language from the following screen.

9.4.1 Text

In Polnav R6.0, there are over 20 texts for Menu to be selected.

9.4.2 Voice

In Polnav R6.0, there are over 30 prompt voices to be selected. You could change the language and apply it.

9.4.3 Input Method

In Polnav R6.0, users could choose the input method to be the default keyboard when enter the key words.

(English Query Keyboard)

(Chinese BPM Keyboard)

(Arabic Keyboard)

(Persian Keyboard)

(Russian Keyboard)

(Greek Keyboard)

(Thai Keyboard)

(Thai Keyboard)

(Turkish Keyboard)

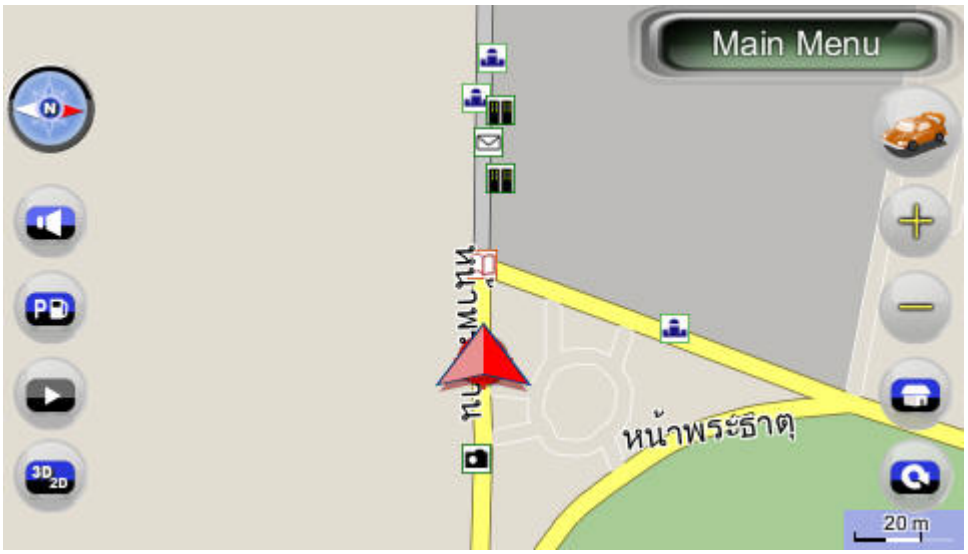
9.4.4 Map

For dual language map, this selection could be selected to show default map's language. For example, the Arabic map or English map for Middle countries; Thai language map or English map for Thailand.

After applying, the map will be loaded when **restart**ing Polnav in the next time .

Language
Text
English
Voice
English
Input Method
General
Map
Unicode
Apply
Cancel

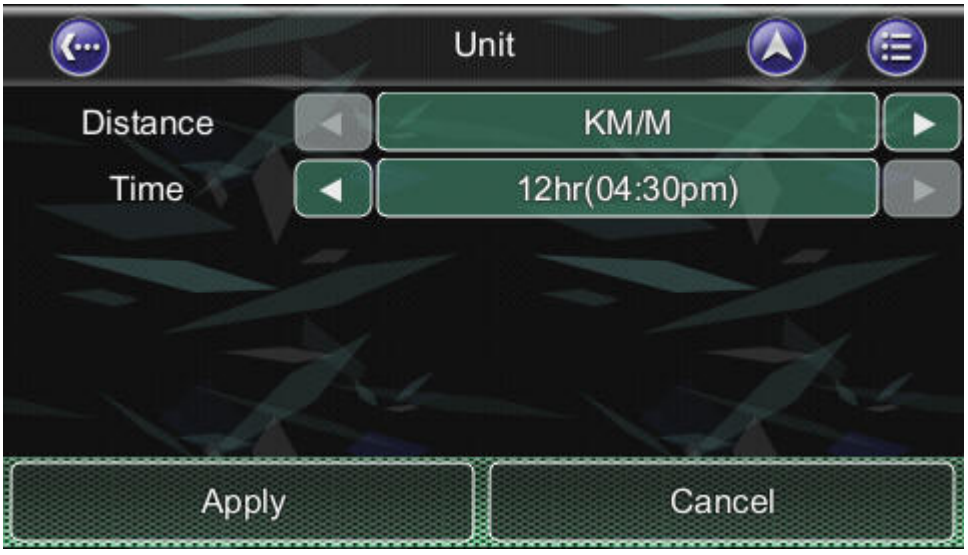
Language
Warning
The alternative maps
will be loaded next time!
Exit
Continue
Apply
Cancel


Main Menu
หน้าพระธาตุ
20 m

9.5 Unit

Main Menu ->Settings ->Unit

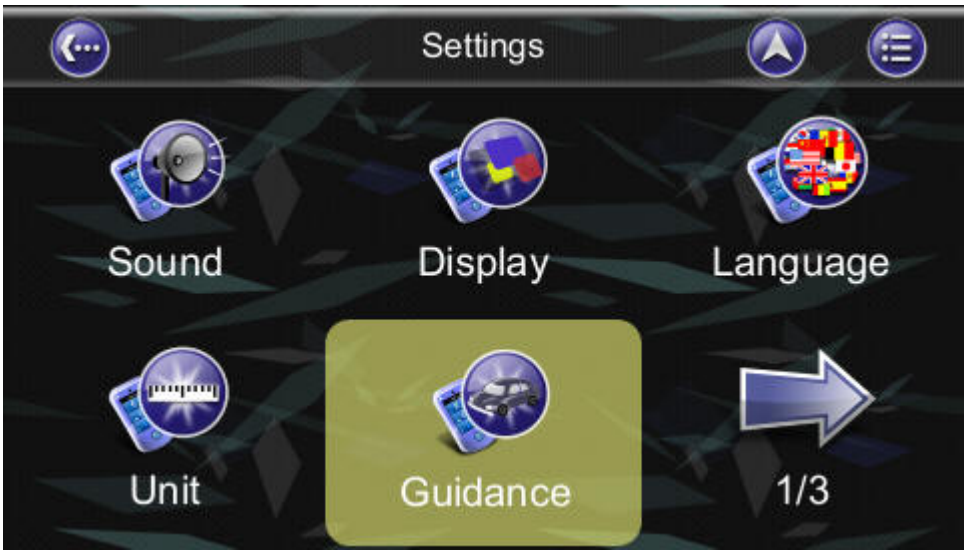
The ***Unit Menu*** allows you to change Unit Settings of Polnav for use in different countries. You can change the ***measuring units*** (distance) and ***time*** (12 hours / 24 hours format) settings.

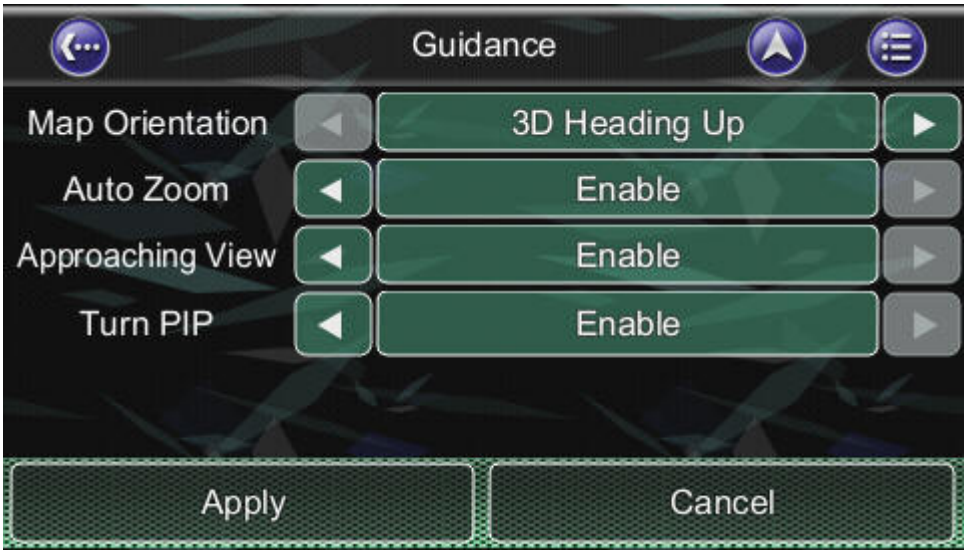


9.6 Guidance

Main Menu ->Settings ->Guidance

The ***Guidance Menu*** allows you to adjust the ***Map Orientation, Auto Zoom, Approaching View, Turn PIP***





9.7 Time Zone

Main Menu ->Settings ->Time Zone

The ***Time Zone Menu*** allows you to adjust the ***time*** displayed by Polnav for the ***area or country*** you are currently in. This is useful if you are in a country that adopts daylight saving.

9.8 Safe Mode

Main Menu ->Settings ->Advanced ->Safe Mode

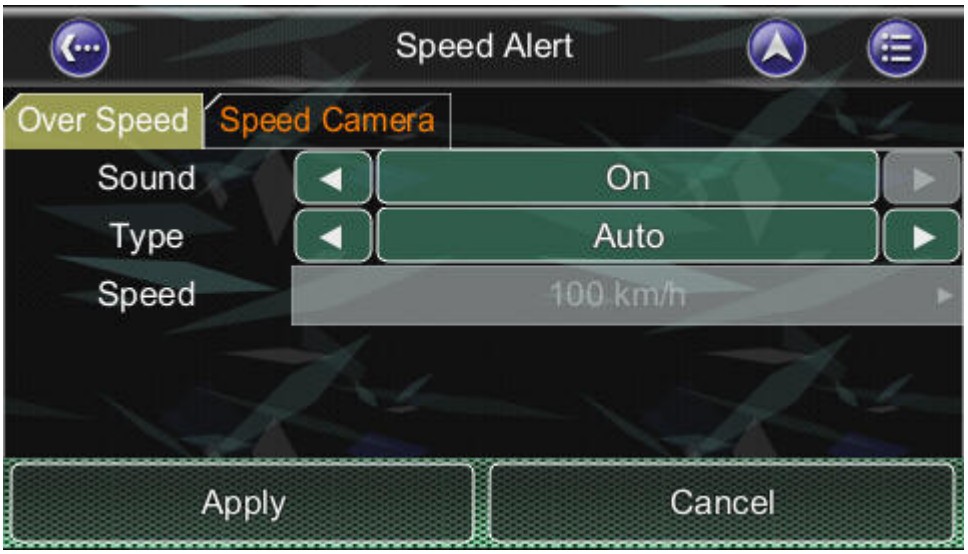
By enabling “Safe mode”, the touch screen function will be disabled when the vehicle speed is above 40km/hr. This is to prevent drivers from operation of navigation devices. The touch screen function will be normal once the vehicle speed is below 40km/hr.

9.9 Speed Alert

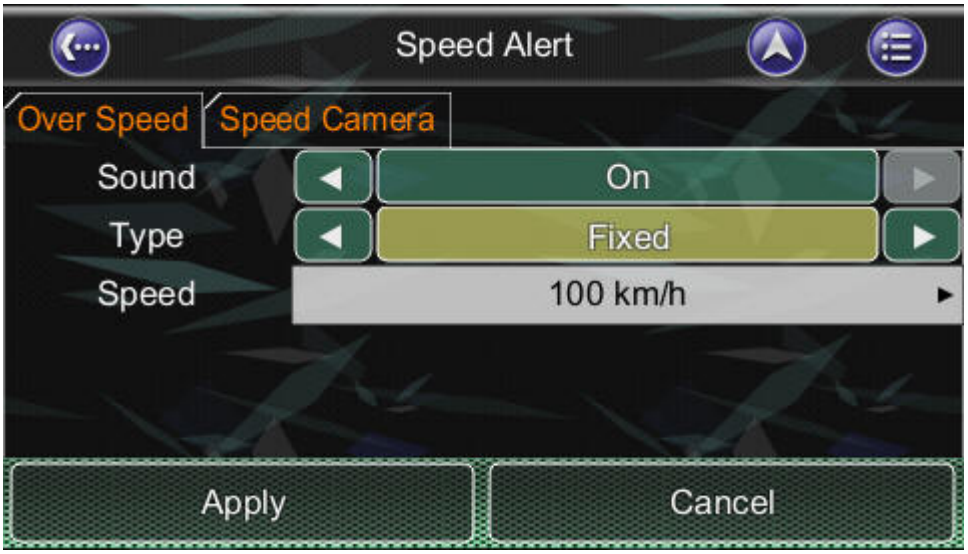
Main Menu ->Settings ->Advanced ->Speed Alert

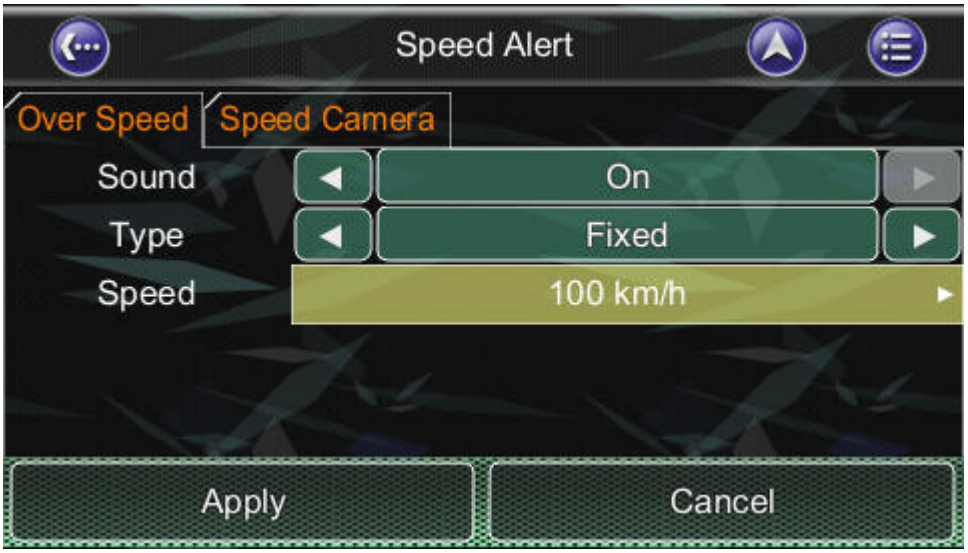
You can enable speed alerts, which will warn you when you exceed the speed alert velocity.

9.9.1 Over Speed Alert



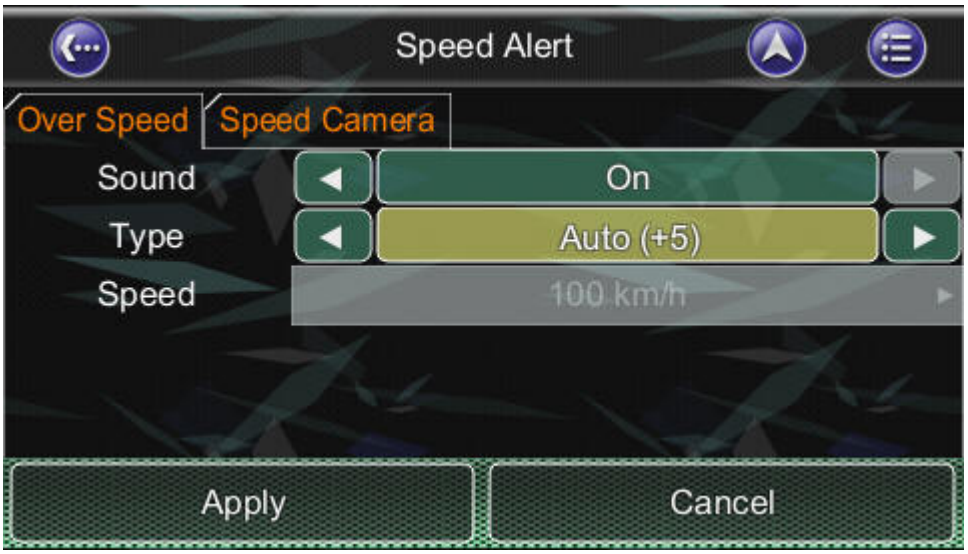
(Auto Type uses the Default Road Speed Limit value)



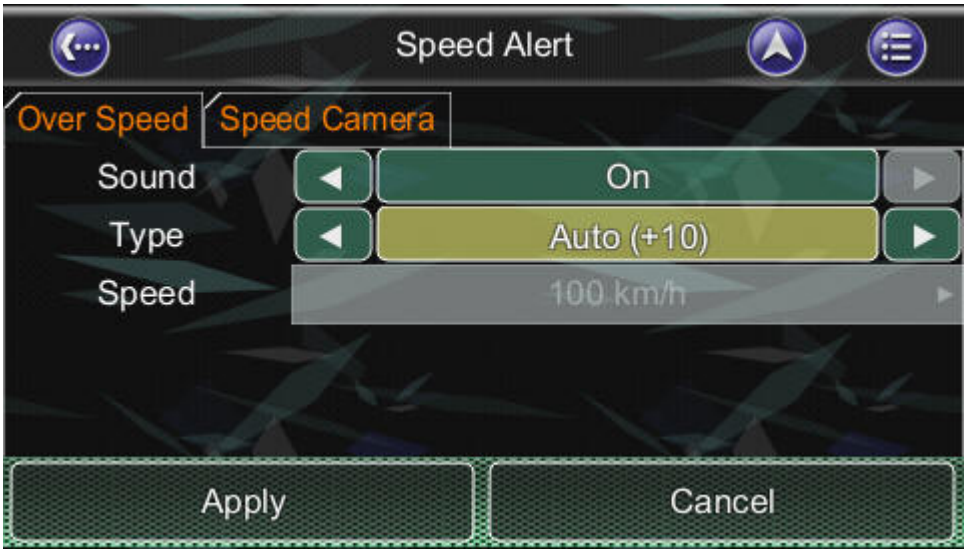


(Fixed Type allows user to set the Speed Limit value)

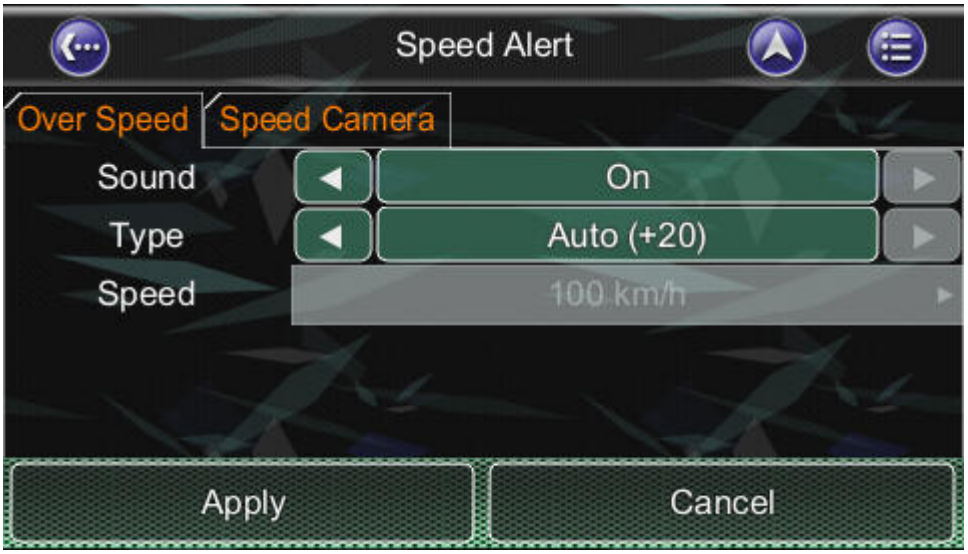
Other than the above Auto and Fixed Types: there are also three types:



Auto(+5)

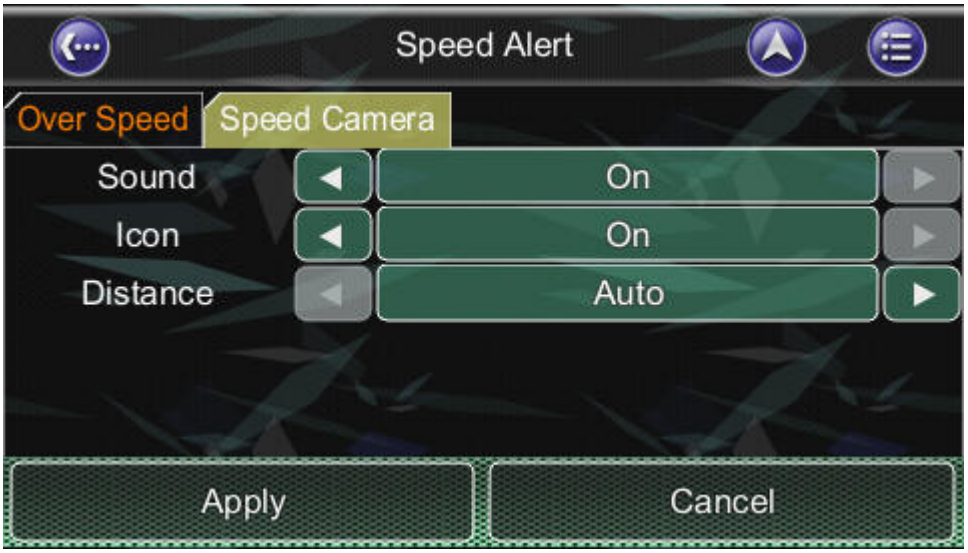


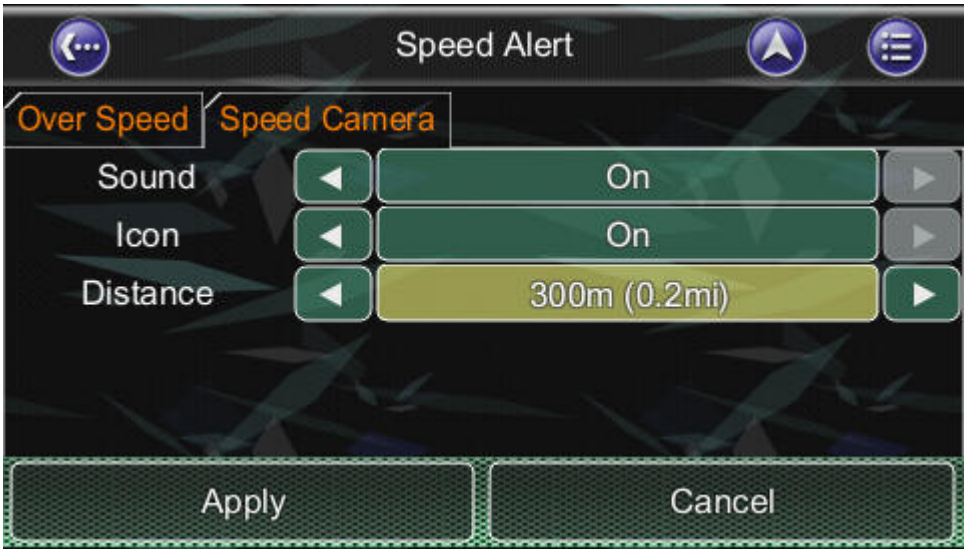
Auto(+10)

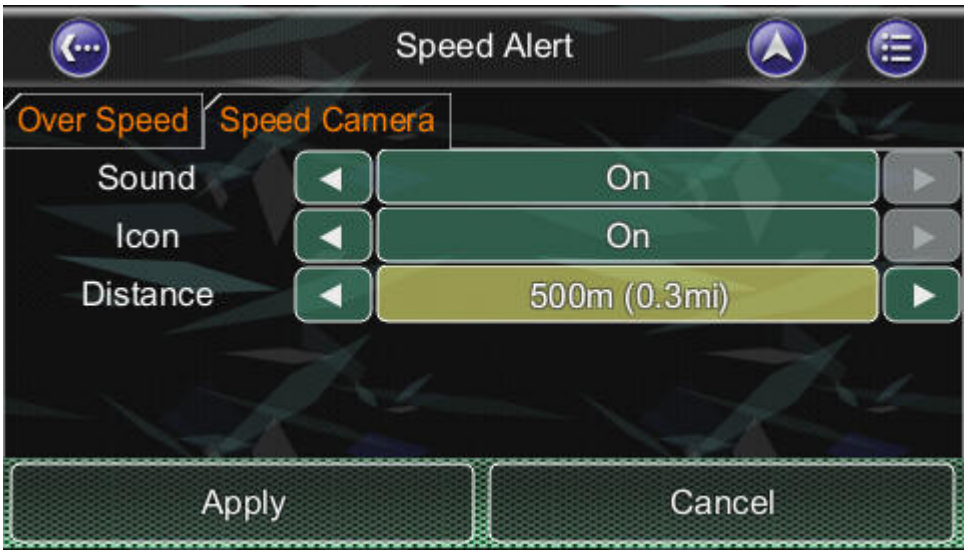

Speed Alert
Over Speed
Speed Camera
Sound
On
Type
Auto (+20)
Speed
100 km/h
Apply
Cancel

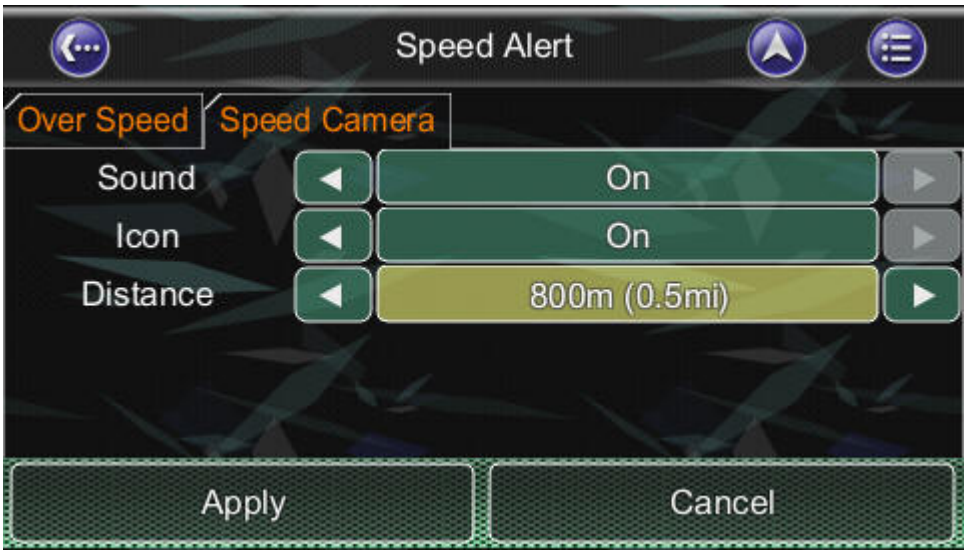
Auto(+20)

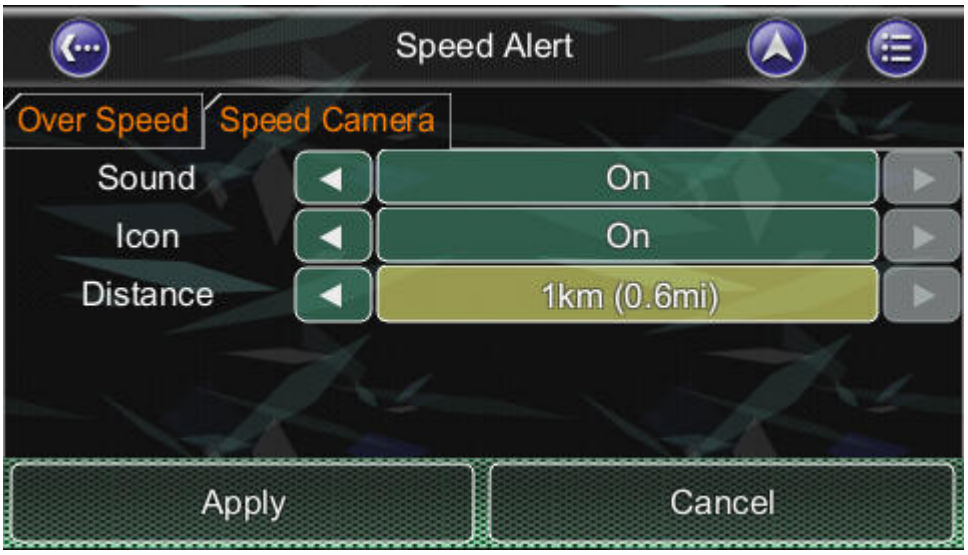
9.9.1 Speed Camera Alert











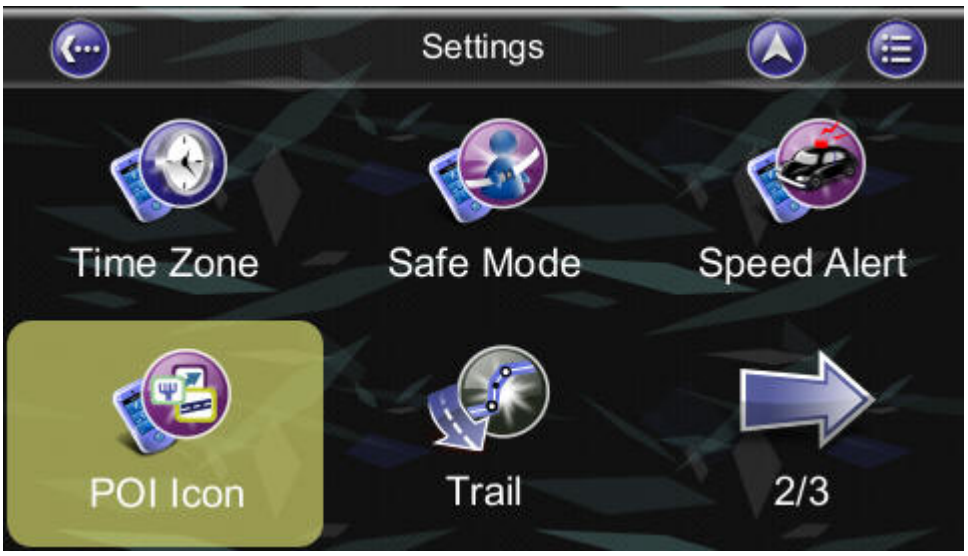
Note: The speed cameras sign will show when there are speed cameras in front of the car. The speed camera alert will warn you when the speed camera is approaching along the road. You will hear "**Speed Camera Ahead**" sound when it is approaching; then you will hear **one "Don**" sound when you deviate from the speed camera.

If you are over speed limit, you'll read the red speed in the bottom right corner and will keep hearing "**Drive Slowly**" sound. This function could be enable or disabled.

9.10 POI Icon

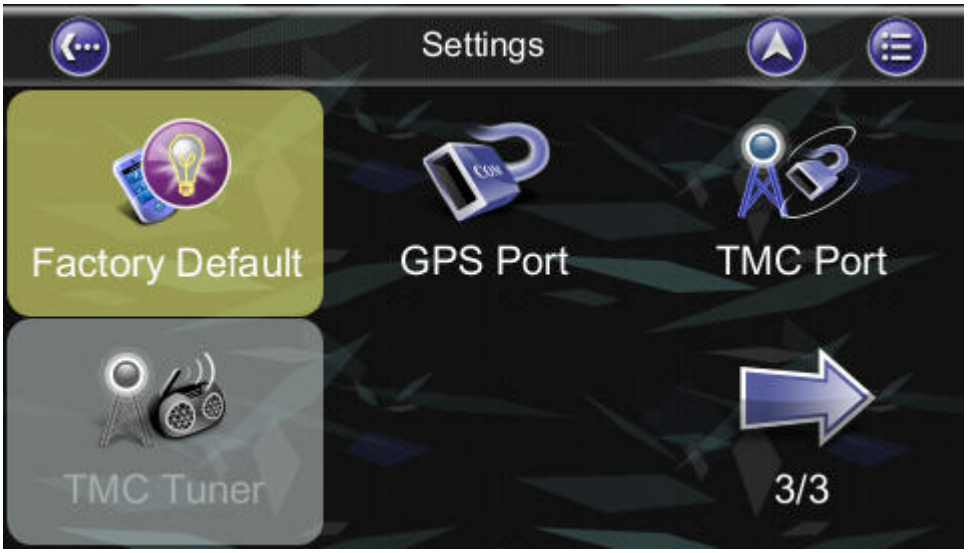
Main Menu ->Settings ->Advanced ->POI Icon

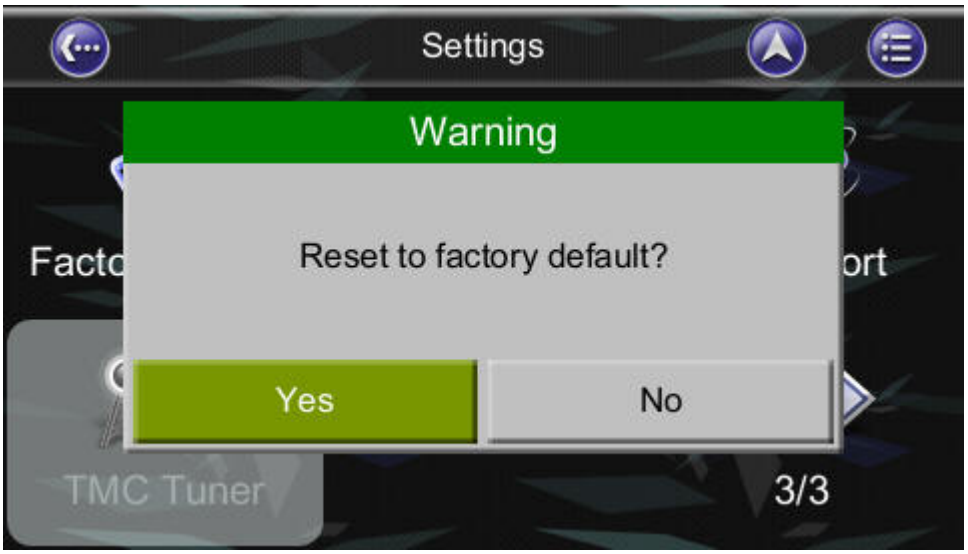
You can reveal, hide all or just some POI icons for ease of visibility on the ***Map Screen.*** ***Select the icons*** you wish to have displayed or hidden on the ***Map Screen***, then press the ***Done Button***.



9.11 Factory Default

Main Menu ->Settings ->Advanced ->Factory Default



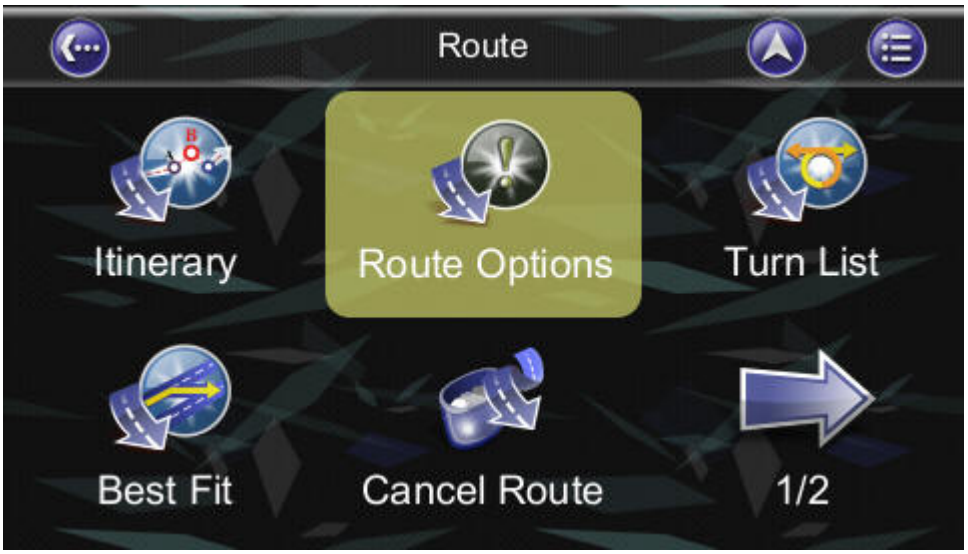


If you would like to change the settings you have set, you could ***restore the Factory Default Settings*** and restart again.

9.12 Route Options

Main Menu -> Route ->Route Options

Route options take your preferences into account when calculating the route to your destination. It is affected by the following parameters, which you can set:



· **Vehicle Type**: Car, Bicycle, Walker can be selected.

· **Routing Method:** Shorter (distance), Faster (time), Economic (heuristic) routing algorithm can be applied.

· **Avoid Highway**: Highway won't be considered as route solutions.

· **Avoid Minor Road:** Minor roads in communities or paved for walker won't be considered as route solutions.

· **Ignore Traffic Rule:** one-way or manoeuvre traffic rules won't be considered as route solutions.

· **Avoid Toll Roads:** the route won't take roads with tollbooth as solutions.

· **Avoid Ferry:** ferry won't be considered as route solutions.

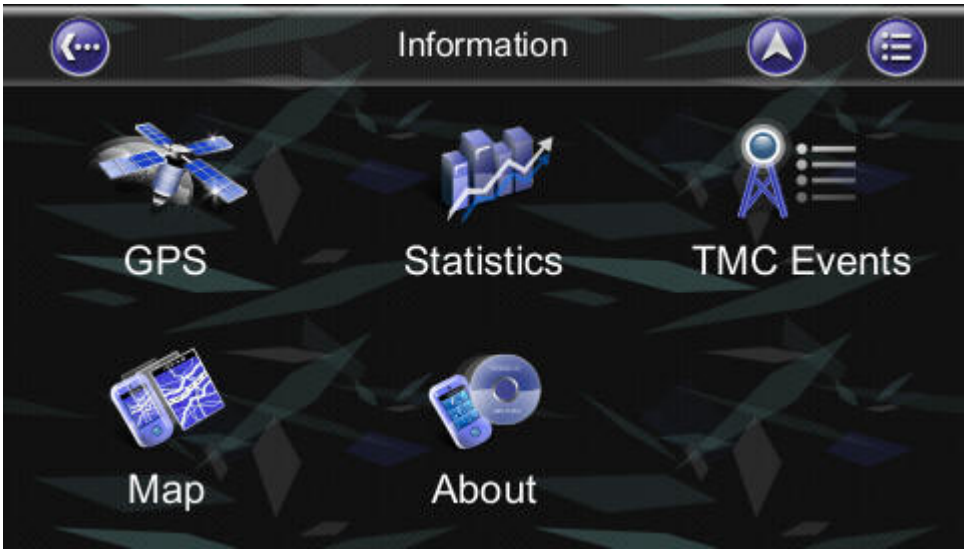
· **Ask every before planning: enable this function will let user to set the Route Option every time he plan a route.**

To select or deselect a parameter, press the relevant panel on the screen. Once selected, it will be highlighted by a check.

10. Information

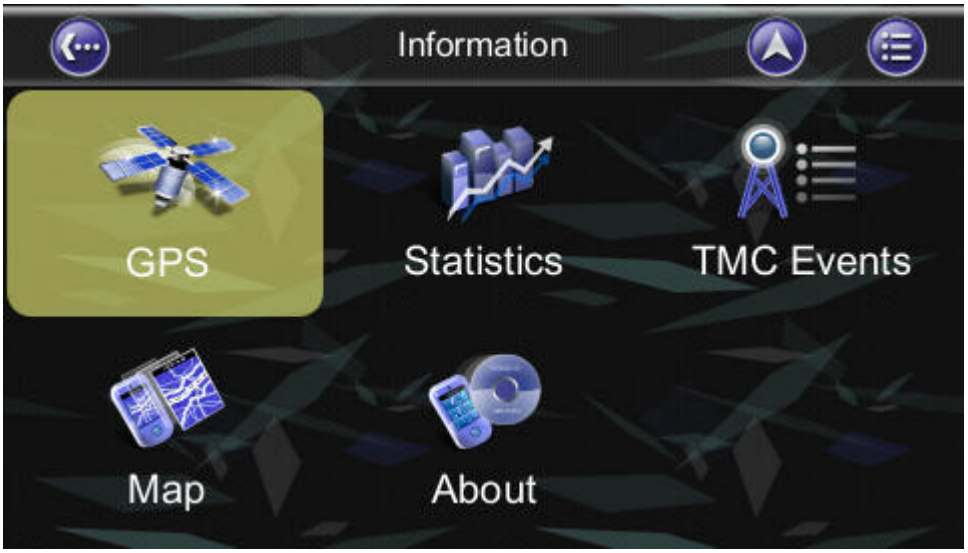
Main Menu -> Info

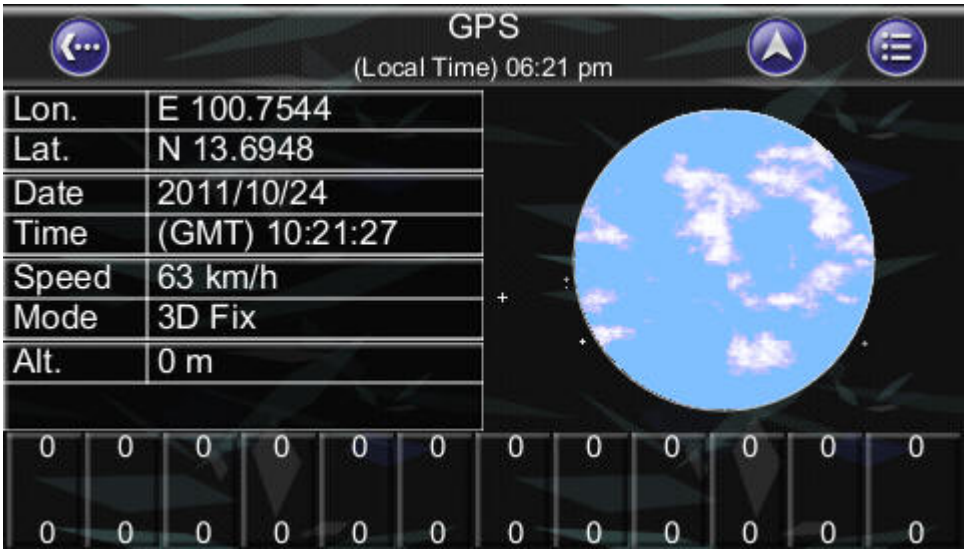
The Information Menu gives you information about your route, itineraries, destinations, locations and maps.



10.1 GPS

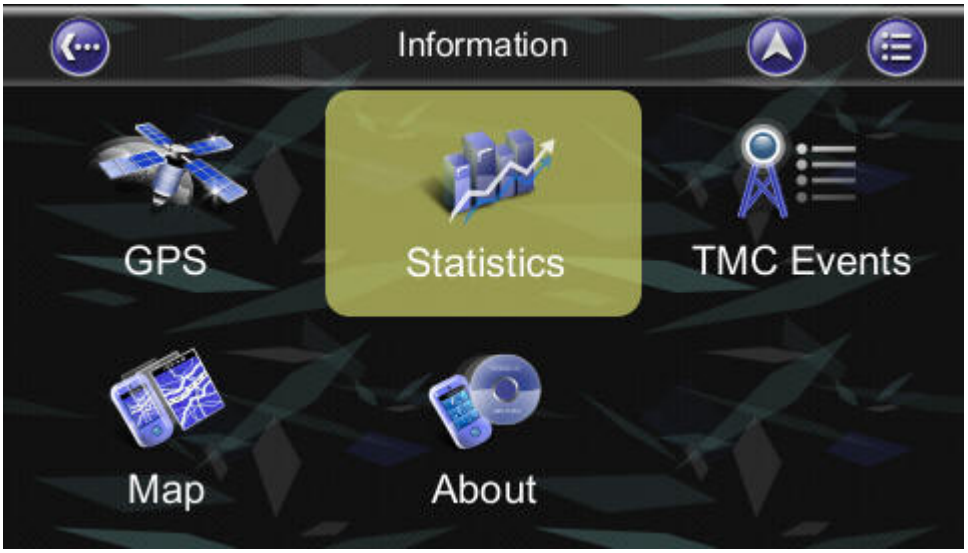
Access information about satellite coverage, current time, longitude, latitude, altitude, quality of the signals received and the status.





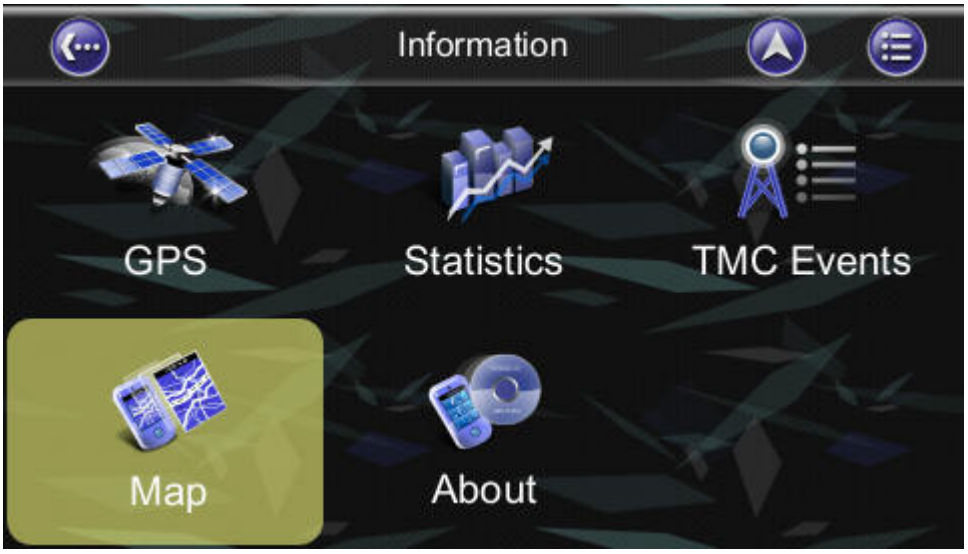
10.2 Statistics

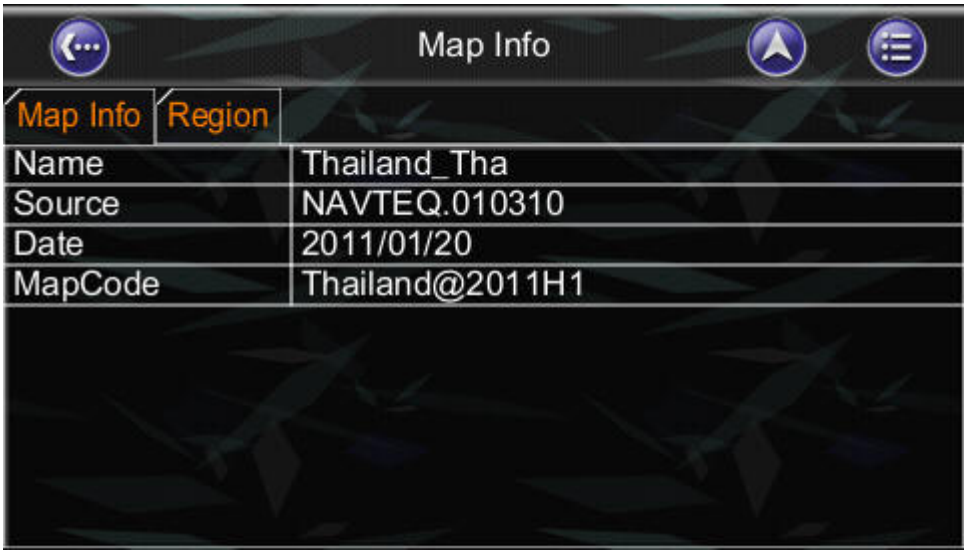
Access information about your current location, heading, velocity, time, etc.



10.3 Map

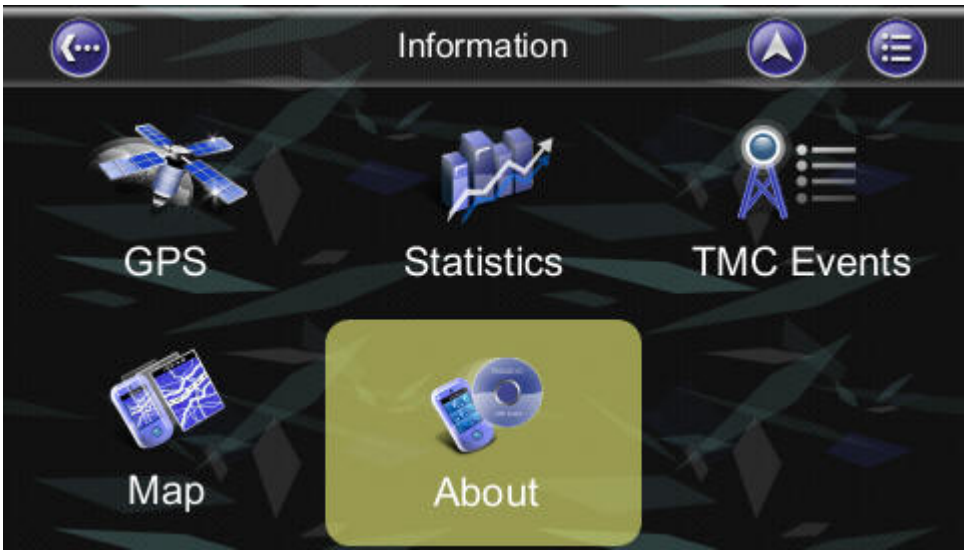
Access information about the maps your Polnav is using, and what maps you have available. Maps are required before you can navigate the area. Note you should have the license key to use the map data.

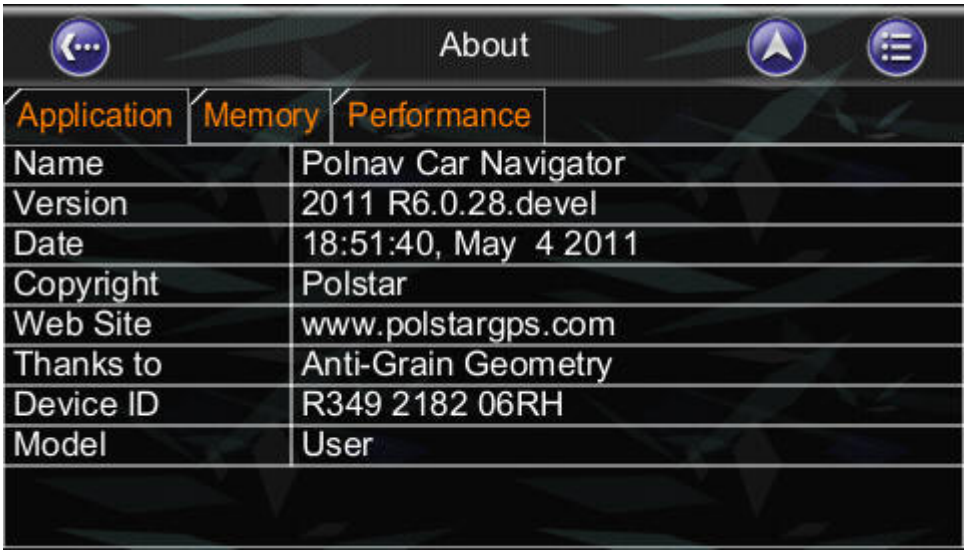



Map Info
Map Info
Region
Name
Thailand_Tha
Source
NAVTEQ.010310
Date
2011/01/20
MapCode
Thailand@2011H1

10.4 About

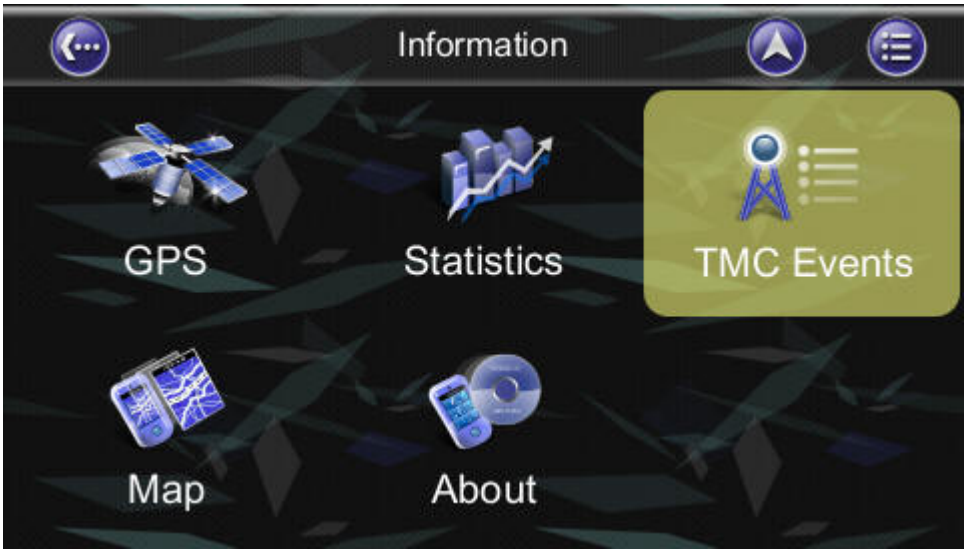
Access information about Polnav, version number, memory usage etc.





10.5 TMC Events

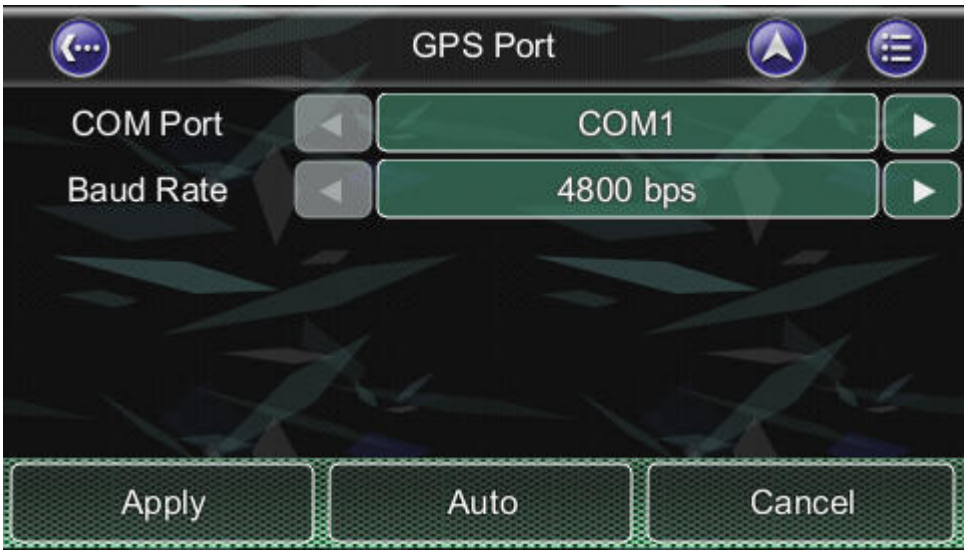
Access information about TMC information if your GPS device has TMC function.



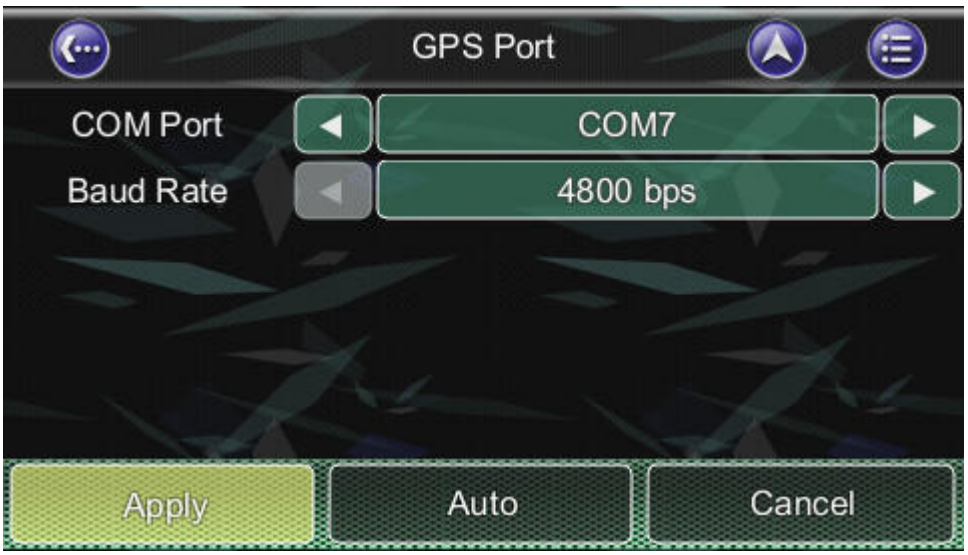
11. GPS Settings

The ***GPS screen*** contains information about the current satellite coverage, current time, longitude, latitude, altitude, quality of the signals received and the status of the GPS receiver. To access the GPS Information page, press the ***Main Menu ->Info ->*** . ***GPS Button*** (Please refer **Section 10.1**)

For the setting of the GPS Port and Baud Rate, please go to the ***Main Menu ->Setting ->GPS Port*** to set the GPS Port and Baud Rate. Choose **Auto** to auto-detect the COM Port and Baud Rate.


GPS Port
COM Port
COM1
Baud Rate
4800 bps
Apply
Auto
Cancel

GPS Port
COM Port
COM1
Baud Rate
4800 bps
Apply
Auto
Cancel


GPS Port
COM Port
COM7
Baud Rate
4800 bps
Apply
Auto
Cancel

When you run Polnav for the first time on your machine, you need to ***configure your GPS*** settings.

For more information, please read your ***GPS hardware instructions***, and the **Hardware Setup** section from this manual.

Normally, you will only need to configure your GPS hardware once.

12. Disclaimer

Polstar Technologies, Inc. takes no responsibility for any use of this product that may result in law violation and/or accidents leading to personal injuries and/or property damage. It is the user's own responsibility to operate the product in a prudent manner that will comply with the law. Polstar will take no responsibility for the consequences caused by inaccurate satellite transmissions. The Government of the United States of America is solely responsible for the accuracy and maintenance of the GPS system.

13. Important Messages

- **Warning**: Do not operate Polnav and a vehicle simultaneously as this is very dangerous. The vehicle must be parked prior to operating Polnav. It is your sole responsibility to operate Polnav and the vehicle in a prudent manner. Misusing Polnav may result in accidents and may lead to injuries and/or property damage. Only a passenger should operate Polnav while the vehicle is in motion.

- **Caution**: Do not use Polnav as a medium to generate precise readings of altitude, direction, distance, location or topography. Polnav must only be used as a navigational aid. Any information generated from Polnav must only be used as reference.

- **Caution**: Although every attempt has been made to ensure the accuracy of the maps and the data used by Polnav, the location of points of interest, transportation networks, etc may change over time without notice therefore rendering the data obsolete. Therefore it is essential that you check the actual surroundings with Polnav's maps in order to confirm that you are at the exact destination.

- **Caution**: Polnav cannot guarantee that any parts of the planned route will be dangerous, closed to traffic, or restricted to certain types of vehicles or is congested. Therefore it is your responsibility to determine the safety of the suggested route and to ignore any illegal or unsafe routes.