NAVIBOX-2

AV IN

SD CARD

GPS ANT

- It is advised for you to read the manual before using the product.
- The screen and the picture of the manual can be different from the actual product.
- Please operate the system while parked.
- The content of the manual can be different according to the loaded software version and it could be changed without prior notice to the user.

Navigation Device NAVIBOX-2
User's manual

Operating the product while driving is not only illegal but it can also cause traffic accidents. Be sure to operate after parking the vehicle at a safe place.

- You should attend to drive safely while looking at the product screen during driving your vehicle.
- Observing the product screen for a long time while driving can be a cause of traffic accidents.
- Since the product screen and the guidance can be different from the actual traffic situation, be sure to drive according to the actual traffic lights, regulations and road conditions.
- The road guidance function of the product can be different from the actual situation due to a change or an error of the map information.
- Our company does not compensate for the damages of accidents that occurred because of not following the actual traffic law and road conditions or due to operating products while driving.

I. The proper use and management of the product

- Do not install the device where it can obstruct the driver's sight while driving.
- Do not install the device where it can obstruct or interfere while operations vehicle.
- This product has road guidance, warning, voice guidance function and etc. Control the volume before use.
- The product must be kept and secured in a dry place. In case the product gets wet, turn off the power. After removing the moisture from the product with a dry towel or a cloth, go to the product shop or the nearest service center for inspection.
- In case the user disassembles the product in person, it might seriously damage the product. In this case, our company cannot compensate for the damage and warranty is voided.
- This product should not be used or kept in dusty or moisture prone areas.

II. The right use and management of the product

- Be sure not to let the product screen be exposed to direct sunlight for a long time. It might not function correctly.
- This product should be installed the interior of vehicle.
- When you clean the product, wipe it with a soft cloth. The use of alcohol or detergent can cause damage to unit.
- Be sure to use the SD card, power cable and all the accessories included with unit that are designated by our company. In case of using accessories or other products that are not approved by our company, it can cause damage to unit. In this case, our company has no responsibility to warranty for the damage.
- Do not keep the product near metallic materials such as coins, keys etc. It can cause damage to unit.
- Do not put foreign substance in this product's power linkup and other input terminal of the exterior equipment. It can be the cause of breakage.
- Do not drop or apply pressure to housing of the product. It can cause damage or malfunction to unit.

III. The right use and management of the product

- The vehicle windshield that used metallic coating can greatly affect the function of the GPS signal transmission of the product.
- If there is a malfunction during the use of this product turn off the power and reconfigure. In case of repetitive malfunction of the product, stop using the product. Return to place of purchase for trouble shooting.
- This product is a navigation product with route searching function and route guidance function. Do not use this product in other ways except for the designated purpose.
- Do not disassemble or reconstruct the product.
- The install and use of the product should be conducted after thoroughly reading and understanding the manual.

Related facts to the product power-prohibited points(points for the prevention of electric shock,fire and explosion)

- Do not use any cords on plugs that are damaged.
- Do not touch the product with wet hand.
- Be sure to connect the cables to the product correctly.

Contents

Components

① ② ③
④
⑥ ⑤

1. NAVIBOX-2 main body
2. GPS Plate.
3. 8 pin cable
4. GPS Ant.
5. Screws
   (for installation : 6pcs)
6. SD card

Features

[Front]

SD card slot   GPS Ant. connector

[Rear]

AVI/F
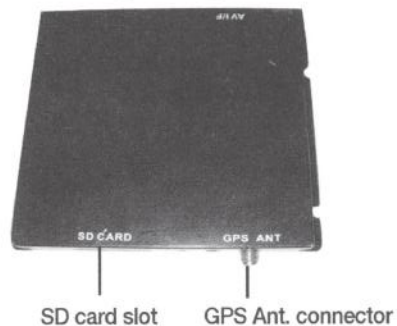
*Warning :

- Please operate the NAVIBOX-2 while parked or halted
- Do not install the NAVIBOX-2 where it can obstruct the viewwhile driving.
- Do not install the device where it can obstruct or interfere while operating vehicle.

1. Installing the SD card
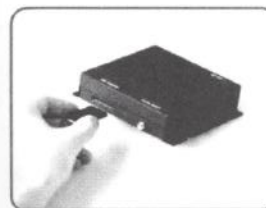
2. Connector the NAVIBOX-2 to AV set by 8 pin cable
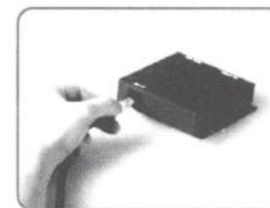
3. Connector the GPS Ant. to the NAVIBOX-2
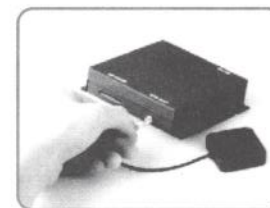
4. Position the NAVIBOX-2 on the flat place in the car

Operating Instructions

1) Starting up

- Insert SD card into the SD card slot as indicated

- Following screen will be displayed once after power on

- Read information and press "I agree" button at the bottom of the screen

NAVTEQ
ON BOARD
Car Navigation System

Information

Please do not operate the controls of goNgo while driving. Doing so could endanger yourself, your passengers and other road users.

Please observe the actual traffic signal.

I agree
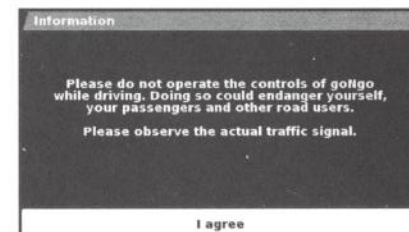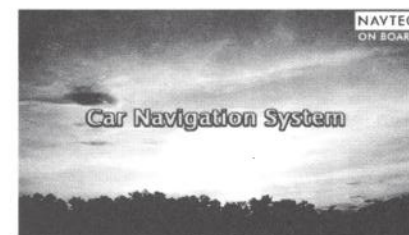
2) Understanding the mapping screen

Information on the intersection

W Bloomingdale Ave

Turning direction on the intersection

The route you will be taking

360 Feet

My position

Distance left to intersection

17:33 PM
7.04 mi

Time left to arrival

Distance left to travel

23 MPH   S   N Natoma Ave

GPS receiving state

Current vehicle speed

Direction   Current road

You can see the menu screen by touching anywhere on the map screen.

3) Guidance arrows

3)-1 The arrows on the ordinary road

Go straight on   U-turn

Turn left

Turn right

Turn left slightly / sharply

Turn right slightly / sharply

3)-2 The arrows on the traffic circle
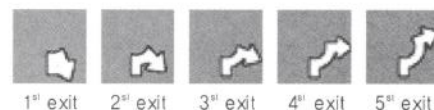
1st exit	2nd exit	3rd exit	4th exit	5th exit
6th exit	7th exit	8th exit	9th exit	10th exit
11th exit	12th exit	13th exit	14th exit	15th exit

4) The range of voice guidance

4)-1 On the motorway

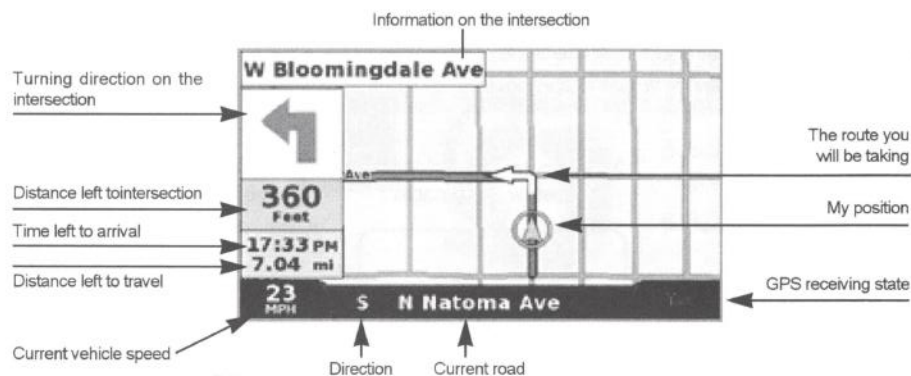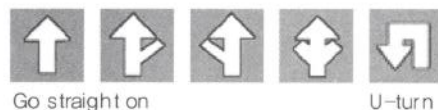| **: Mile / Feet**	**: Mile/Yard**	**: Meter**
1 mile → half mile → now	1 mile → 700 yard → now	2 km → 1 km → now
0.9 mile → half mile → now	900 yard → 400 yard	1 km → now
0.8 mile → half mile → now	800 yard → 300 yard	900 m → now
0.7 mile → Quarter mile	700 yard → now	800 m → now
0.6 mile → now	500 yard → now	700 m → now
half mile → now	400 yard → x	600 m → now
0.4 mile → now	300 yard → x	500 m → now
0.3 mile → now	now → x	400 m → x
Quarter mile → x		300 m → x
0.2 mile → x		now → x
now → x		

4)-2 On the normal road

: Mile / Feet	**: Mile/Yard**	**: Meter**
0.3 mile → now	700 yard → now	600 m → now
Quarter mile → now	600 yard → now	500 m → now
0.2 mile → now	500 yard → now	400 m → now
900 feet → x	400 yard → now	300 m → x
800 feet → x	300 yard → x	200 m → x
700 feet → x	200 yard → x	now → x
600 feet → x	now → x	
500 feet → x		
now → x		

2. Operating Instructions-Planning a route

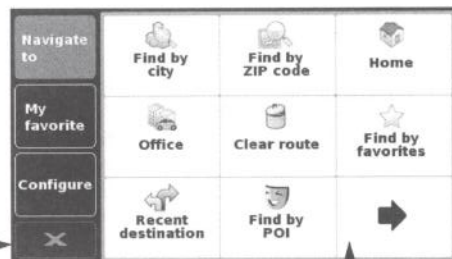To enter the main navigation menus, by simply touch the PND in the center of the screen with your finger. You can see three main menus
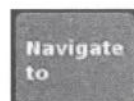
Menu Screen

There are 3 major menus (Navigate to / My favorite / Configure)
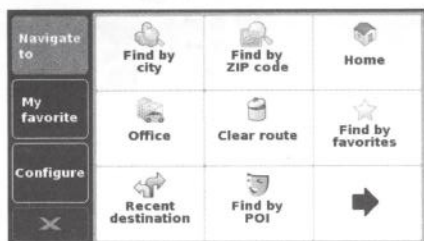
Stop seeing current menu screen and go back to former map display screen

This icon means that there are more options to see the next screen

Destination set up menu which consists of 2 pages, 12 sub menus as below.

You can see 8 sub menus on the first page
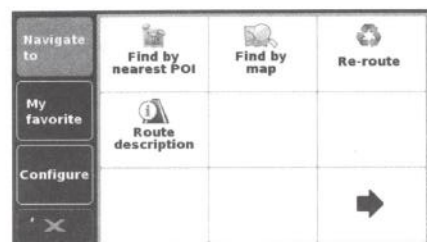
You can see another 4 sub menus on the next page

1) Find by City
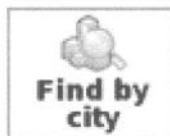
Dialogue for searching items

⟨ Screen of the dialogue for searching ⟩

If you know the street name and city that you would like to navigate to then select 'Find by city' menu.
Click the "Find by city" button, you can see "Find by city" If it is the first time to use, you can see only 'All states' in the searching list. Click the yellow "State" on the top or near white board, you can move to next "State" searching dialogue.
If you would like to search by 'All states', select the second yellow "City" button and use the keyboard displayed to type in the name of city.
The sequence of searching is as "State" -> City -> Street -> House Number As you begin to input the road or street name, the PND will automatically prompt you with a possible matches.

Searching list
Check the list
Keyboard
Go back to the former screen
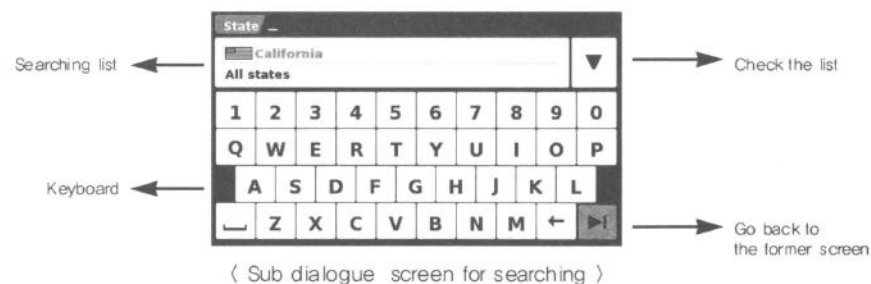
⟨ Sub dialogue screen for searching ⟩

Sub dialogue for searching consists of 'Searching list' window and 'Check the list' button on the top, keyboard and 'Backward' button on the bottom right hand corner.
If you don't know the exact name you would like to find, press 'Check the list' on the top right hand corner of the display and a list of cities will be displayed then select your destination city by touching on it.

You want to stop searching, press 'Backward' button on the bottom right hand corner.

Dialogue for searching items

⟨ Screen of the dialogue for searching ⟩

2. Operating Instructions-Planning a route

When you enter the name of "Street", "House Number" or "Intersection" incorrectly, you can erase such information by clicking the ← icon on the "Street" item.
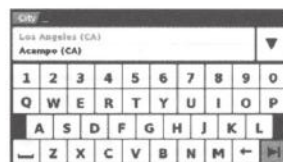
In case of both "House Number" and "Intersection" items are exist after "Street" searching, you can see the dialogue of "House Number", and you would like to change to the "Intersection", click the 🔄 icon on the "House No." searching board in "Find by City" menu.

But if there is just one item ("House Number" or "Intersection"), it won't be changed by clicking 🔄 icon.
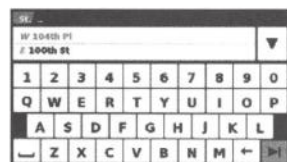
〈 State searching 〉

〈 City searching 1 〉
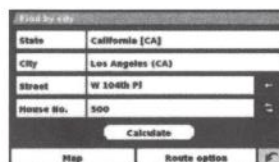
〈 City searching 2 〉

〈 Street searching 〉
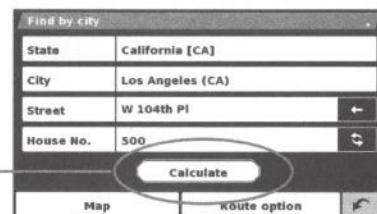
〈 House No. searching 〉

〈 Complete searching 〉

Calculate

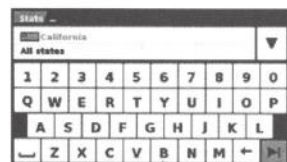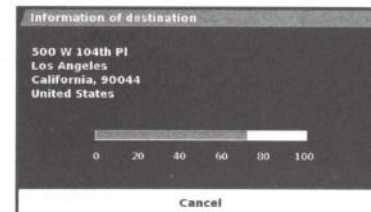〈 Screen of the dialogue for searching 〉

Once you have entered your information you can now pres the "Calculate" button and your PND will calculate a route.
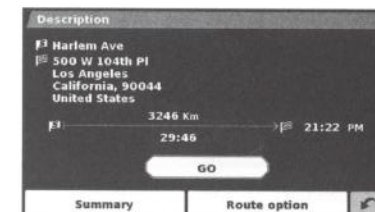
Once the calculation is complete you can either press "GO" to start navigation function.

The "Summary" item will tell you information on your route (Distance to your destination, estimated time of arrival and your journey.)

You can change the parameters of the route by the "Route option" item.

〈Pic. 1〉 Calculation Indicator is processing

〈Pic. 2〉Complete the calculation

** If you want to stop calculating due to change the destination or something, press the "Cancel" button on the bottom and click 〈OK〉 on the "Stop calculation" window, then you can move to former "Searching" menu screen.
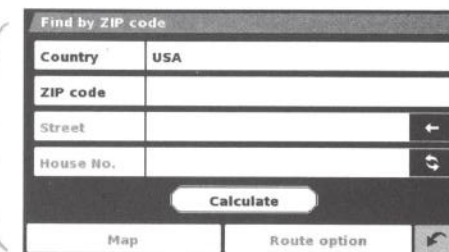
** Intersection

Alternatively, if you don't have a house or building No., PND can navigate you to a point Where two roads meet instead. After you have entered the name of the road you would like to navigate to, press the 'Intersection' button.

2) Find by Zip code

Find by ZIP code

Dialogue for searching items

(Screen of the dialogue for searching by Zip code)

This menu for searching is similar to "Find by City" menu. After selecting "Country", Enter your ZIP code using the keyboard and press "OK" button.

Press the "Calculate" and the PND will calculate the fastest route from your current position to your destination. It will be take only a few seconds.
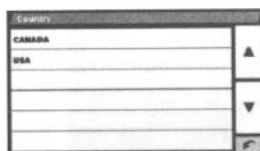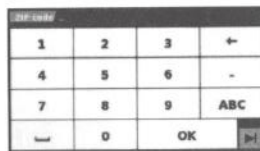
⟨Pic. 1⟩ Selecting country   ⟨Pic.2⟩ Enter your Zip code   ⟨Pic.3⟩ Enter the name of street
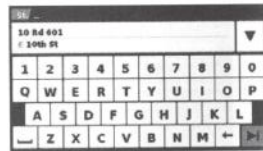
⟨Pic.4⟩ Calculation is progressing   ⟨Pic.5⟩ Calculation is completed

** Once the calculation is completed, press "GO" button to start the navigation

3) Home

The PND has a convenient function to enable you to navigate easily and quickly from a previous trip or destination to your home.
The first time "Home" menu is used the PND will ask if you want to set the location of your home, Press "OK in the information window. If "Home" has already been set it can be edited in "My Favorites" menu.

You may also change home information and delete it, or select route option by pressing the relevant button.

If you want to go back to the previous menu, press 'backward key' in the lower right corner of the screen.

Information of home

500 W 104th Pl
Los Angeles
California, 90044
United States

GO   Route option

Change   Delete
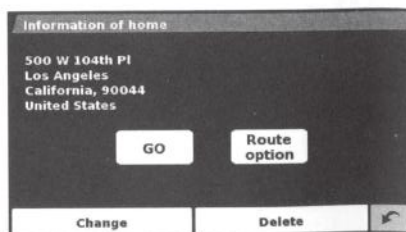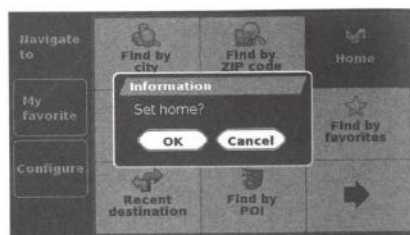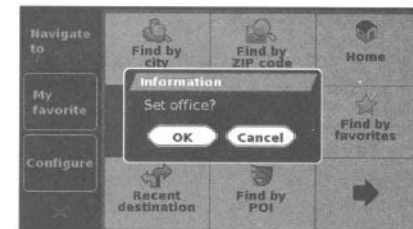
4) Office

This menu is similar to 'Home' menu. "Office" menu also enable you to navigate easily and quickly from a previous trip or destination to your Office or other place of work you can personalize your PND so that a route can be calculated by pressing only a few buttons.

When the first time "Office" menu is used the PND will ask you want to set your office location,
press "OK" in the information window.
If "Office" has already been set it can be edited in "My Favorites" menu.

You may also change home information and delete it, or select route option by pressing the relevant button.

If you want to go back to the previous menu, press 'backward key' in the lower right corner of the screen.

Information of office

22 Placer Dr
Jackson
California, 95642
United States

GO   Route option

Change   Delete

Clear route

Information
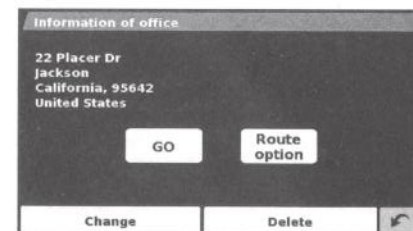
Clear route?
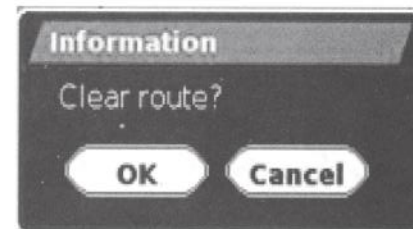
OK   Cancel

To cancel a route that you have calculated, press the "OK" button on the information window.
For the "Clear route' item to operate you will need not to have entered and calculate a route.

5) Find by Favorites

Find by favorites

Favorites
10 Rd 601	▲
1st St	
Agate Pl	
	▼
	↰
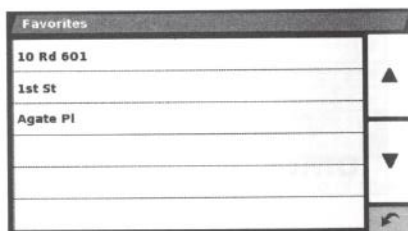
The PND has large enough capacity to store lots of location where you would like to save.
To navigate to one of your stored locations, select the favorite you wish to navigate From the list provided. Then information about your chosen favorite is displayed.

To view the location of the favorite, press "Map".
To return to the previous page, press the "Backward arrow" button located in the lower right hand corner of the display.

If you want to change the route parameter, press "Route Options".
By "Route Options" you can change the parameters Of the route or 'Guidance' which will list the turn by turn instructions.

Agate Pl

22 Placer Dr
Jackson
California, 95642
United States

Calculate

| Map | Route option | ↰ |
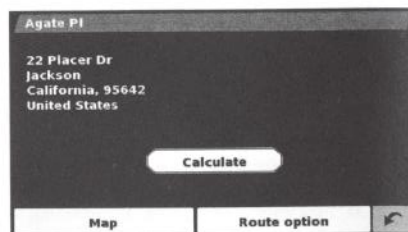
Press "Calculate" and the PND will calculate the route to your select favorite.
Once calculation is completed the summary screen is displayed.
You can either press "Go" to start navigation and "Simulation" to see the actual route.

6) Recent destination

Recent destination

Recent destination
[Recent departure]	▲
10 Rd 601	
W 104th Pl	
Appletree Ln	▼
5th St	
4th Ave	↰
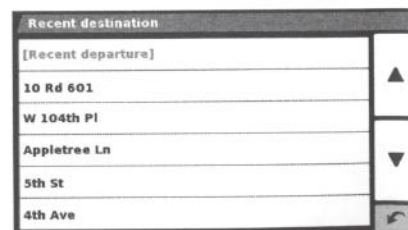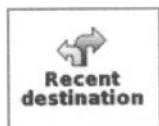
〈The list of recent destinations〉

The PND is capable of storing the last 40 routes that have been calculated, do that if you want to return to an address you do not have to re-input the details again.

To calculate a route using the "Recent destination" menu, select this sub menu on main "Navigate to" menu first.
A list of your most recent routes will be shown in chronological order, use the up/down arrow on the right hand side of the display to scroll through the list and select the destination you would like the PND to navigate to.

An information window screen will appear for confirming the address you have selected.
To view the location of the favorite, press "Map".
To return to the previous page, press the "Backward arrow" button located in the lower right hand corner of the display.

Appletree Ln

Appletree Ln
Arden
Delaware, 19810
United States

Calculate
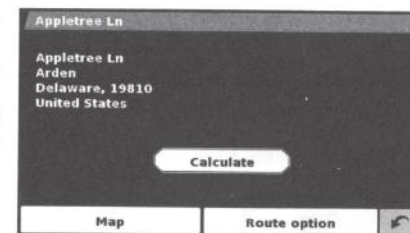
| Map | Route option | ↰ |

If you want to change the route parameter, press "Route Options". By "Route Options" you can change the parameters Of the route or 'Guidance' which will list the turn by turn instructions.
Press "Calculate" and the PND will calculate the route to your select favorite.
Once calculation is completed the summary screen is displayed.
You can either press "Go" to start navigation and "Simulation" to see the actual route.

7) Find by POI (Points of Interest)

Find by POI

Dialogue for searching items

Find by POI
| State	CALIFORNIA	
City	All cities	All
Category	All categories	All
Name		

Calculate

| Map | Route option | Information | ↰ |
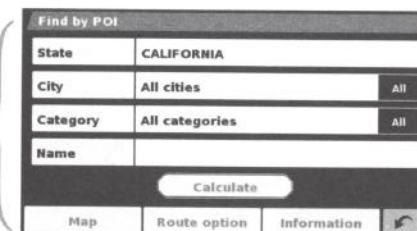
〈Screen of the dialogue for POI searching〉

The way of using this menu is similar to "Find by City" menu.

If you want to set a route to a hotel, hospital, airport, amusement park or even a restaurant, the PND can calculate such a route using its extensive database of POI's
After selecting State, City, Category and Name press "Calculate" button to start a route calculation.

Category
Airport									
Amusement park									▼
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	←	▶|
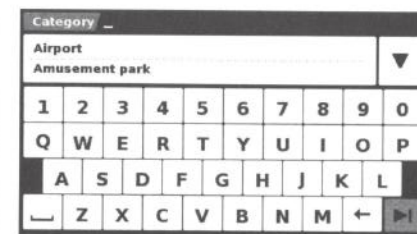
〈Category items searching〉
The PND has 50 POI Categories

You can search all the relevant POIs if you input one of letter of alphabet in "Name" item.

Name _
- 29 Palms County Airport [Twentynine Palms Airport](CA-62)
- Acv [Arcata Airport](Airport Rd)

```
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 ← ▶|
```

8) Find by nearest POI
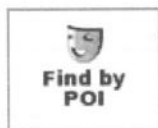
Find by POI

Find by POI

State	CALIFORNIA	
City	All cities	All
Category	All categories	All
Name		

Calculate

| Map | Route option | Information | ↶ |

The basic function of "Find by nearest POI" is similar to "Find by POI" but you can also search the POI located near your current position by using "Current position" item.

8)-1 Current position

Current position

"Current position" option will help you to find the nearest POI by Category within a special radius. When you press "Current Position" button, the radius can be configured from a minimum radius of 10kms or 10miles up to a maximum radius of 60kms or 60miles from your current position.

The default setting is 30kms/miles. Mark the your desired radius check box and press "OK" Button.

Input the type of POI you would like to search then the PND will automatically prompt you with a list of possible POIs.

After select the POI you are searching for and press the "Calculation" button.

Select Radius

☐ 10 K.M.   ☐ 40 K.M.
☐ 20 K.M.   ☐ 50 K.M.
✓ 30 K.M.   ☐ 60 K.M.

OK

Category AIR_
- Airport
- Amusement park

```
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 ← ▶|
```

Airport
- Chicago Ohare Int'l Airport [10km]I-190, Chicago Illinois United States
- Ohare Int'l Airport [Chicago Ohare Int'l Airport] [10km]I-190, Chicago Illinois United States
- Ord [Chicago Ohare Int'l Airport] [10km]I-190, Chicago Illinois United States
- Chicago Ohare Int'l-T5 Departures [10km] Chicago Illinois United States
- Chicago Ohare Int'l-T5 Arrivals [10km] Chicago Illinois United States

8)-2 Different position

Different position

"Different position" option will find the nearest POI by City.

When you select "Different Position" option, you will see the Find address by City's screen.

Enter 'State' and 'City' name you want to search, and press the "Set" button.

Find address by city

State	All states
City	
Street	←

Set

Map

You will see the "Select Radius" screen.
then select and mark the ms/miles you want to.

Select Radius

☐ 10 K.M.   ☐ 40 K.M.
☐ 20 K.M.   ☐ 50 K.M.
✓ 30 K.M.   ☐ 60 K.M.

OK

Select the POI you want to in "Category"

Category AIR_
- Airport
- Amusement park

```
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 ← ▶|
```

After select the POI you are searching for and press the "Calculation" button.

Airport

Chicago Ohare Int'l Airport [30km]I-190, Chicago Illinois United States	▲
Ohare Int'l Airport [Chicago Ohare Int'l Airport] [30km]I-190, Chicago Illinois United States	
Ord [Chicago Ohare Int'l Airport] [30km]I-190, Chicago Illinois United States	▼
Chicago Ohare Int'l-T5 Departures [30km] Chicago Illinois United States	
Chicago Ohare Int'l-T5 Arrivals [30km] Chicago Illinois United States	↰

9) Find by map

Find by map

(You can find and set the position where you want by moving your finger)

"Find by map" menu allows you to select a destination by simply pressing any area on the map loaded onto your PND.
You can create a route to a location by viewing the map and selecting a road or place with your finger.
To see a larger section on the map, press "+" button to zoom out, and you would like to see the map in more detail, press "-" button to zoom in.

(Pic. 1) The screen of "Find by map"

(Pic. 2) you can see the "Continue" button in the lower right hand side

By pressing and moving your finger on the screen you can panning the map around until you find location you desired.
When you get the required destination, press on such area on the map then you can see the name of such area. If you are happy with such area press the "Quick menu"
Button in the lower right hand side. Then an information screen of such area will be displayed when you press the "Continue" button.

Information of destination

Washington Blvd
River Forest
Illinois, 60305
United States

Calculate

| **Map** | **Route option** | ↰ |
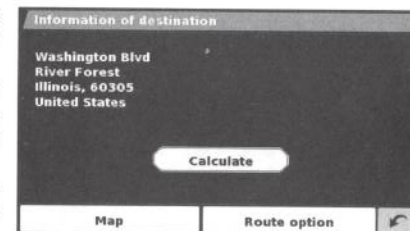
Press "calculate" button then the PND will now calculate the route to your selected destination.

10) Re-route

Re-route

Re-route

◉ Shortest time   ☐ Avoid tollway
○ Shortest distance   ☐ Avoid freeway

Calculate

| **Avoid by road name** |
| **Avoid by range** |
| Clear avoided road | ↰ |
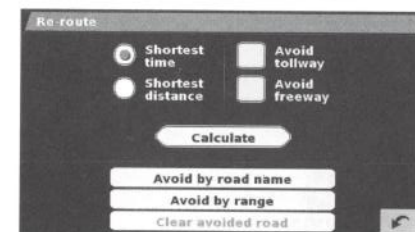
The PND can Re-calculate your route by avoiding certain roads, or redirecting you by distance. This function only becomes available if you have calculated your route.
You can choose how you would like to re-route your trip from the selections which is Shown on the display. There are 2 options in "Re-route" menu.

Avoid by road name

"Avoid road name" option allows you to see the turn by turn instructions of the certain route that you. You are currently following.
Once you have found the road that you want to avoid, select it with your finger then the PND automatically recalculates the route without selected road.

Select avoided road

[0.1~1.2KM] S Westmore-Meyers Rd	▲
[0.1~1.2KM] S Westmore Ave	
[0.2~1.2KM] S Meyers Rd	
[1.2~1.6KM] W St Charles Rd	
[1.6~3.3KM] N Addison Ave	▼
[1.6~3.3KM] N Addison Rd	↰

Avoid by range

"Select avoided range" option allows you to avoid several roads from the selected route plotted by the unit, then re-calculate a route over you defined distance ranging from 1mile up to 100 miles.

Select avoided range
1 Mile
2 Miles
3 Miles
4 Miles
5 Miles
10 Miles

Clear avoided road

If you do not want to use the alternative routes offered by above two options and return to the original calculated route, press "Clear avoided road" button.
This option makes the original route plotted by the unit will be restored.

11) Route description

Route description

Description
N Harlem Ave
22 Agate Pl
Jackson
California, 95642
United States
2069 Miles   22:27 PM
30:59
GO
Summary   Route option

After a route has been calculated and the trip has started you can access the summary display again by using this menu.
Press "GO" button, then navigation will be started.

** You will need to set and calculate a route if you want to utilize this menu.

My favorite

"My favorite" menu consists of 4 sub menus and you can save, edit or delete such places.

Navigate to	☆ Favorites	🚗 Recent destination	📦 Home
My favorite	🚚 Office		
Configure			
✕			

1) Favorites

☆ **Favorites**

Favorites	Add	Delete all
10 Rd 601	🗑	
1st St	🗑	
Agate Pl	🗑	

You may find it useful to store a number of their Common routes in a "Favorites" folder.
"Favorites" allows you to calculate a route to one of these address without having to search for Every time.
To add an address to your "Favorites" access this menu and press "Add" button. If you press the "Delete all" Button in the upper right hand side, all the address in list
Are deleted so you should be careful.

10 Rd 601
10 Rd 601
Rolla
Missouri, 65401
United States
91°46'16.3" W / 37°56'14.1" N
Change name

If you want to delete the listing at any time, simply select such address and press the "trash can" button on the right end of every each list. Then you can see the information display of such address. Press "Delete" button to remove it from your list.

Favorites	Add	Delete all
10 Rd 601	🗑	
1st St	🗑	
Agate Pl	🗑	

1st St
100 Mission St
San Francisco
California, 94105
United States
122°23'51.3" W / 37°47'23.0" N
Delete

(Pic. 1) Trash can button is on every single list
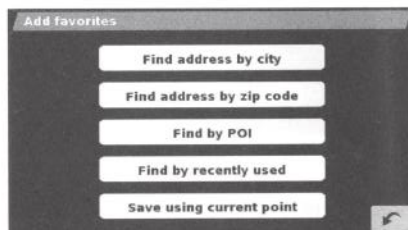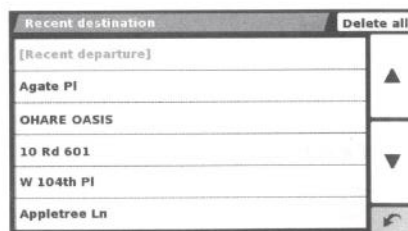
(Pic. 2) Delete message is displayed

3. Storing and editing the destination

How to add special or certain address to your "Favorites" menu with the "Add" button is the same as the method of "Route plan" described in "SECTION 3"

Add favorites

- Find address by city
- Find address by zip code
- Find by POI
- Find by recently used
- Save using current point

2) Recent destination

Recent destination — Delete all

- [Recent departure]
- Agate Pl
- OHARE OASIS
- 10 Rd 601
- W 104th Pl
- Appletree Ln

"Recent destination" menu allows you to see and delete any or all of the recent destinations that are Stored in your PND.

Scroll up/down the list of recent destinations using the u and down buttons located on the right hand side of the display and select the destinations you want to delete.

3) Home
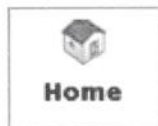
Home

Information — Set home? OK Cancel

The PND has a convenient function to enable you to navigate easily and quickly from a previous trip or destination to your home.

The first time "Home" menu is used the PND will ask if you want to set the location of your home, Press "OK" in the information window. You can use "Find by city" or "Find by ZIP code" in SECTION 3 to set your home address.
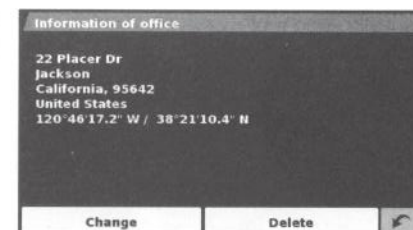
If "Home" has already been set it can be edited in "My Favorites" menu.

4) Office
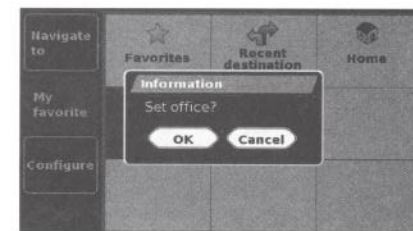
Office

Information — Set office? OK Cancel

The PND has a convenient function to enable you to navigate easily and quickly from a previous trip or destination to your office.

The first time "Office" menu is used the PND will ask if you want to set the location of your office, Press "OK in the information window. You can use "Find by city" or "Find by ZIP code" in SECTION 3 to set your office address.

If "office" has already been set it can be edited or deleted on the "Information of office" window as well as in "My Favorites" menu.
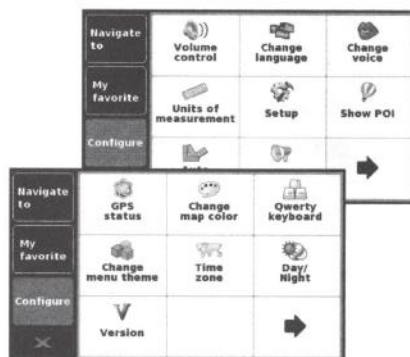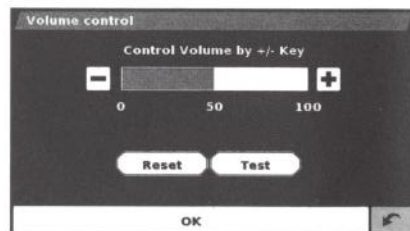
Information of office

22 Placer Dr
Jackson
California, 95642
United States
120°46'17.2" W / 38°21'10.4" N

Change | Delete

4. Configure Menu

Configure

You can set or change the PND's basic setting by "Configure"menu.
This menu consists of 12 sub menus for adjustment.

1) Volume control

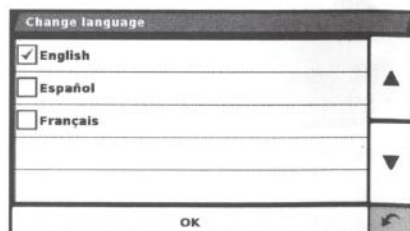**Volume control**

To adjust the volume, press "volume control" Item by using your finger.
"+"button to increase the volume and "-" Button to decrease the volume.
If you want to return the default audio level, press the "reset"button.

2) Change language

Change language

The PND has the language option. So you can select ENGLISH, SPANISH or FRENCH voice prompts and alerts by pressing "Change language" menu.
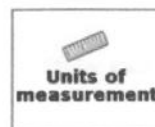When you have decided which language you prefer, press "OK" icon.

3) Change voice
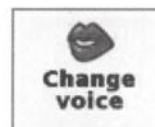
Change voice

The PND comes with a choice of a male, Female, Southern or Urban English as well as Female Spanish, French or Korean voice Prompts and alerts by "Change Voice" menu. To make your selection, press the relevant check box with your finger.
When you have decided which language you prefer, press the "OK" button.
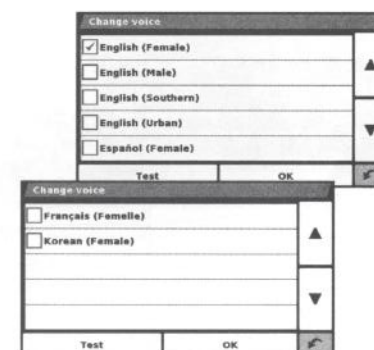
4) Unit of measurement


Units of measurement

This menu allows you to display between metric and imperial measurement.
The PND has 3 units of measurement.
To make your selection, press the relevant check box with your finger.
When you have decided which unit of measurement you prefer, press "OK" button.

5) Setup

Setup

You can set and adjust the screen display by "Setup"menu. This menu consists of 3 sub menus.
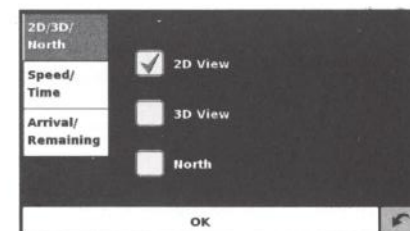
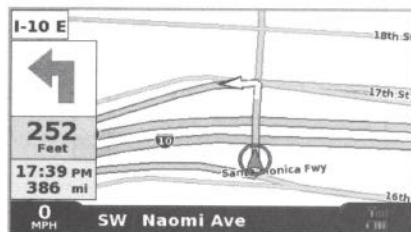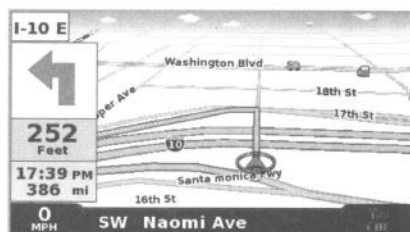## 5)-1 2D/3D/North

2D/3D/ North

This sub menu allows you to select the view of the map that you would like to have display. The 3D view displays the map, route And POI from a 3D perspective.
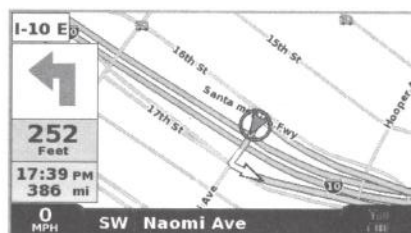
To make your selection, press the relevant check box with your finger, and Press "OK" button.
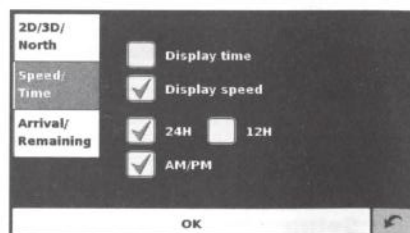
⟨2D picture⟩

⟨3D picture⟩

⟨North picture⟩

5)-2 Speed / Time

Speed/ Time

2D/3D/ North
Speed/ Time
Arrival/ Remaining

☐ Display time
☑ Display speed
☑ 24H   ☐ 12H
☑ AM/PM

OK

This sub menu allows you to change the information displayed in the bottom left hand side of the main map screen the vehicle's current speed and the current time.

To make your decision, check the relevant check box and press the "OK" button

5)-3 Arrival / Remaining

Arrival/ Remaining

2D/3D/ North
Speed/ Time
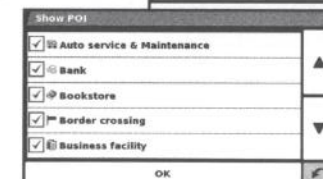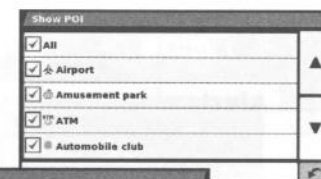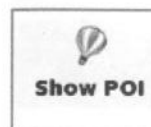Arrival/ Remaining

☑ Arrival time
☐ Remaining time

OK
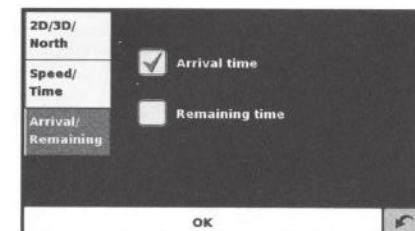
This sub menu allows you to display either the time left to arrival and the time left to travel on the main map screen.

To make your decision, check the relevant check box and press the "OK" button.

Your new setting will be saved and will displayed on the main map screen every time you use the PND.

6) Show POI

Show POI

Show POI
☑ All
☑ Airport
☑ Amusement park
☑ ATM
☑ Automobile club

Show POI
☑ Auto service & Maintenance
☑ Bank
☑ Bookstore
☑ Border crossing
☑ Business facility

OK

The PND comes with completed with a comprehensive list of POIs (Point Of Interest).

You can select which of such POIs you would like to have indicated on the map.

You can edit this POIs' list within this menu. However standard POI's are shown at the first time.

A red check in the box indicates that the POIs will appear on your map, and unchecked POIs will remove from the map so that you can't see such POIs on your map screen.

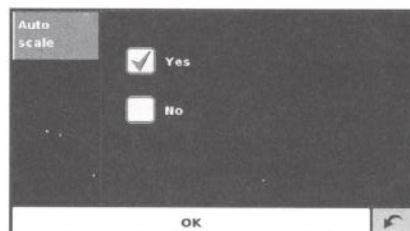To save the changes, press the "OK" button on the bottom of the display.

If you want to exit the "Show POI" list without saving you set, press the backward Arrow key located in the bottom right hand corner of the display.

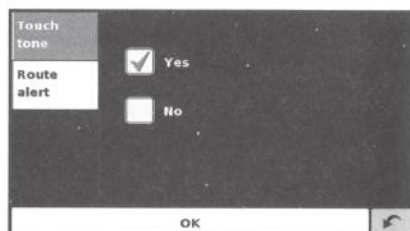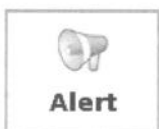Press the "OK" button to confirm the selection.

4. Configure Menu

7) Auto scale

Auto scale

"Auto scale" function automatically magnifies the map as you approach a junction or intersection, where you may need to turn. This function can be turned on/off as you wish by pressing the check box. And press "OK" button. "Auto scale" menu is set to "On" by default.

8) Alert

Alert

This function allows you to alter the audible alerts provided during navigation and to turn the audible beeps on/off while selecting functions on the display.
To change any of these settings check the relevant check box to confirm your selection.

If you check "Yes" on the "Touch tone" item, the PND emits a sound when LCD screen is touched. And If you choose "No", such sound will turn off.

If you deviate from the planned route, PND will automatically recalculate a route to the destination. To indicate re-routing is in Progress the PND will emit a sound.
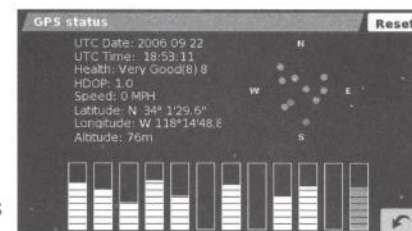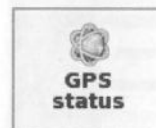
You can choose following options.
"Yes" : The re-route sound will be emitted during recalculation.
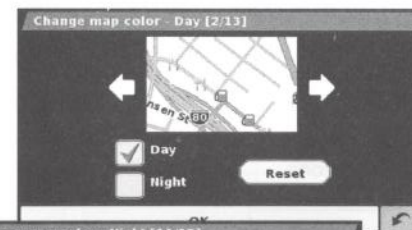"No" : No sound will be emitted.
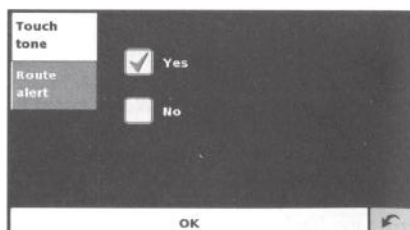
9) GPS status

GPS status

You can check the state of your PND's GPS connection at any time by selecting this menu.

10) Change map color

Change map color

This menu allows you to select the alternative color schemes that are available for the maps used in your PND. There are 13 color schemes to select from. You can choose the different daytime color schemes by "left and right arrow Keys.
To save your selection, press "OK" button on the bottom of the display.
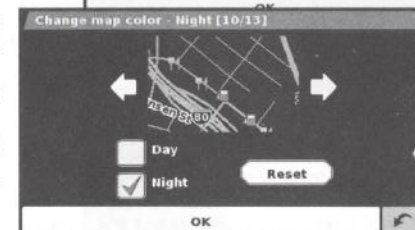
11) Qwerty keyboard
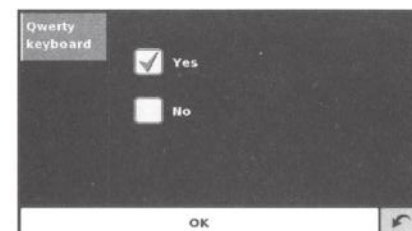
Qwerty keyboard

You can select more convenient keyboard for you by this menu.
The PND has two kinds of keyboard. The one is an ordinary type keyboard and the other is "Qwerty keyboard".

12) Change menu theme

You can change the menu color as you wish.
Press the check box next to the option you would like to select.
The PND has 5 color themes.
To save the color setting, press the "OK" button on the bottom of the display.
If you want to keep the setting unchanged you can exit the menu by pressing the backward key in the lower right corner of the display

13) Time zone

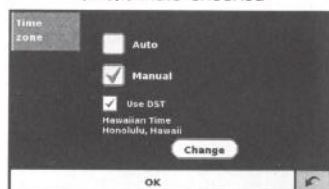You can select the time display by checking the auto or manual.

⟨Pic.1⟩ Auto checked

If you select the manual, you will see the "Use DST" and "Change" button.
Press the "Change" button and select the proper time zone by right/left arrow button.
To save the time zone setting, press "OK" button.

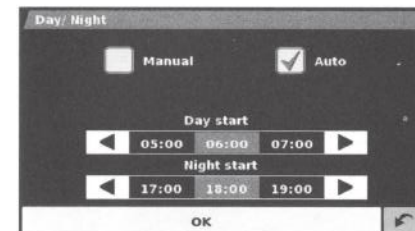* If you want to apply the 'summer time' to time setting, check the "Use DST" check Box.

⟨Pic.2⟩ Manual checked

⟨Pic.3⟩ Time zone

14) Day/Night

You can adjust the day or night start time, press the right/left arrow button on both of day/night setting bar after select the check box for Auto.

15) Version
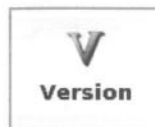
You can check and see hardware, software and map version of your PND's by this menu.
If you want to check the reliability of the software and map data on your SD card, press "Verify data" button then PND will perform a 'system check' to ensure that the SD card Information is at suitable efficiency.

Above picture says this PND's hardware version is 0001, the version of loaded software is 0.99.1.0 and the version of Map is na.A1200B3C01120.

** Above picture is an example, so it is possible to be written different version on your PND.

5. Route Options

1) Route Option

You can change the parameters of the route or guidance which will list the turn By turn instructions of the trip by "Route Options" menu items

Find by city

State	CALIFORNIA
City	Los Angeles (CA)
Street	Fable Ave
House No.	8305

Calculate

Map | Route option

Route option

◉ **Shortest time**	Guide you to the most rapid route
◉ **Shortest distance**	Guide you to the shortest route
☑ **Avoid tollway**	Guide you to the road without toll gate if possible
☑ **Avoid freeway**	If you want to avoid freeway on your trip, mark this check box

Route option

- ◉ Shortest time
- ○ Shortest distance
- ☐ Avoid tollway
- ☐ Avoid freeway

Done

- ☐ Navigate avoiding road
- ☐ Navigate via location
- ☐ Change start position

2) Navigate via location

Navigate via location

If you want to include more than a single destination in your trip, this option will help you to set Multiple destinations.

Route option

- ◉ Shortest time
- ○ Shortest distance
- ☐ Avoid tollway
- ☐ Avoid freeway

Done

- ☐ Navigate avoiding road
- ☐ Navigate via location
- ☐ Change start position

3) Change start position

Change start position

Change start position

Find address by city

Find address by zip code

Find by POI

Find by recently used

If you want to change the start point in your current route for trip to any other position, mark the "Change start position" check box then you can change the start point.

There are 4 items for setting 'via' location, and every items have the same method to set as the original destination's.

* The items for setting 'via location' and 'changing the start point'

Find address by city

Find address by zip code

Find by POI

Find by recently used

4) Navigate avoiding road

"Navigate avoiding road" item allows you to avoid certain or special road and range when Setting the route.

Navigate avoiding road

Navigate avoiding road

Avoid by road name

Avoid by range

Clear avoided road

Avoid by road name
Avoid by certain road

Avoid by range
Avoid by certain range

Clear avoided road
Cancel the "Avoid" option
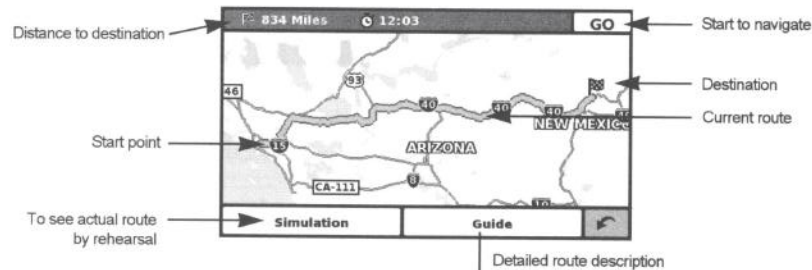
5) Summary

The "Summary" screen will tell you the distance to your destination, estimated time of arrival and the estimated time it will take to complete your trip.

Summary

Distance to destination — 834 Miles 12:03 GO — Start to navigate

— Destination

— Current route

Start point

To see actual route by rehearsal — Simulation | Guide

Detailed route description

Route Instruction GO
NOW W 11th St
0.36 Miles S Figueroa St
0.50 Miles W 8th St
1.47 Miles CA-110
1.62 Miles Unnamed street
Simulation | Description

Route Instruction
Florida St
0.50 Miles W 8th St
Simulation | GO

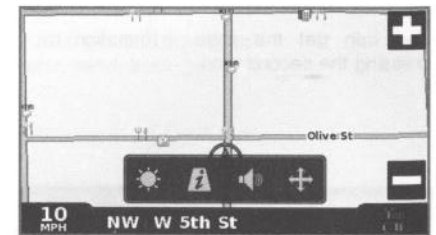
User can use the "Quick Access Menu" by pressing the black bottom text bar of the screen. This quick access menu window will disappear after few seconds without any users' action.
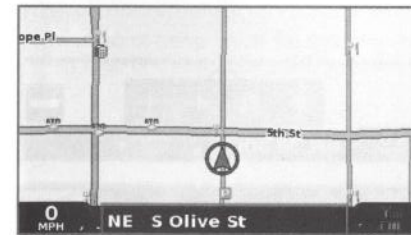
〈Pic. 1〉 Ordinary map screen   〈Pic. 2〉 Quick access menu on the screen

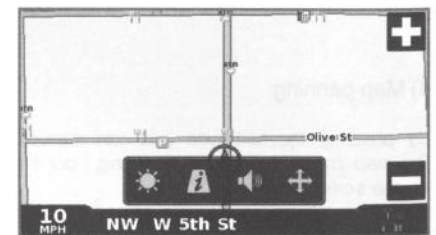Press the black bottom line as like 〈Pic.1〉 then you can see quick access menu window as like 〈Pic. 2〉.

1) Screen brightness setting .Day / Night

Press the first icon to switch the bright setting like 〈Pic. 3 – Day mode〉 and 〈Pic. 4 – night mode〉.
If you switch the PND off and then back on the display, it reverts to previous personal setting.
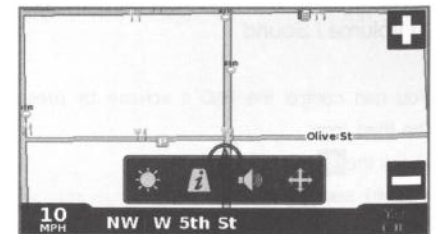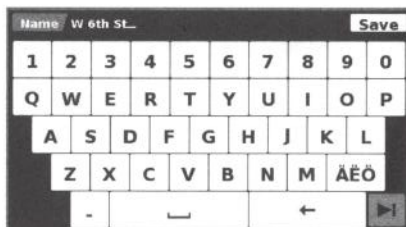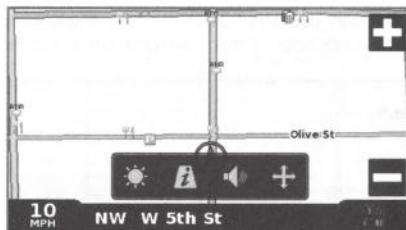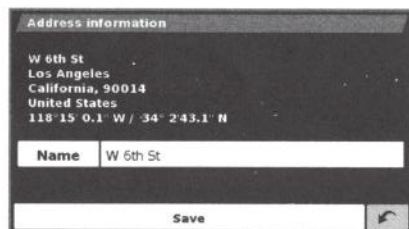
〈Pic. 3〉 Day mode

〈Pic. 4〉 Night mode

2) Road Information

You can get the road information by pressing the second icon.

Address information

W 6th St
Los Angeles
California, 90014
United States
118°15' 0.1" W / 34° 2'43.1" N

Name W 6th St

Save

3) Volume / Sound

You can control the PND's volume by pressing the third icon.

Press the ◀ icon for mute,

you will see 🔇 icon.

➖ icon to decrease the volume.

➕ Icon to increase the volume.

4) Map panning

By pressing the last icon you can manipulate the map by touching and dragging your finger on the screen.

Add favorites   You can save such position

Target   You can set the destination

---
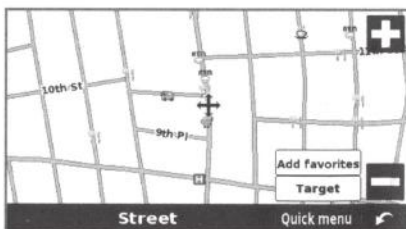
a. Driving under the overpass
b. Driving on the road between skyscrapers
c. Driving on the road that is near a military unit and other electric transmitter equipments
d. Others
 – In case of being inside the tunnel or inside the underground parking lot
 – In case of disasters such as typhoon, thunderstorm, sand storm etc.

ⓐ   ⓑ   ⓒ
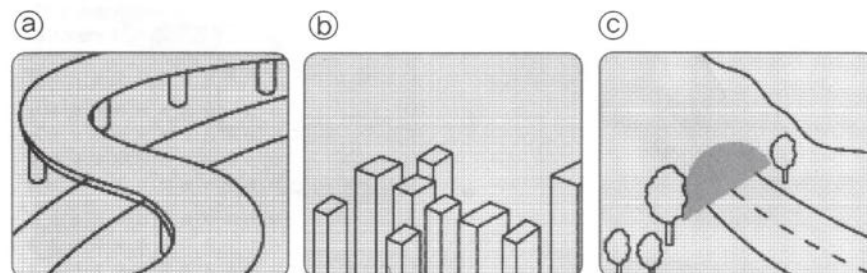
* POINT
To reduce the 'cold start' time of GPS connection time, remain stationary your position or direction.

8. Potential Cases when the location displays incorrectly on the screen

a. Driving on the road that has another similar road nearby
b. Driving on the road of a consecutive square road (check board form of roads)
c. Driving on the winding road
d. Driving on the road that separates slowly
e. Driving on the spiral road
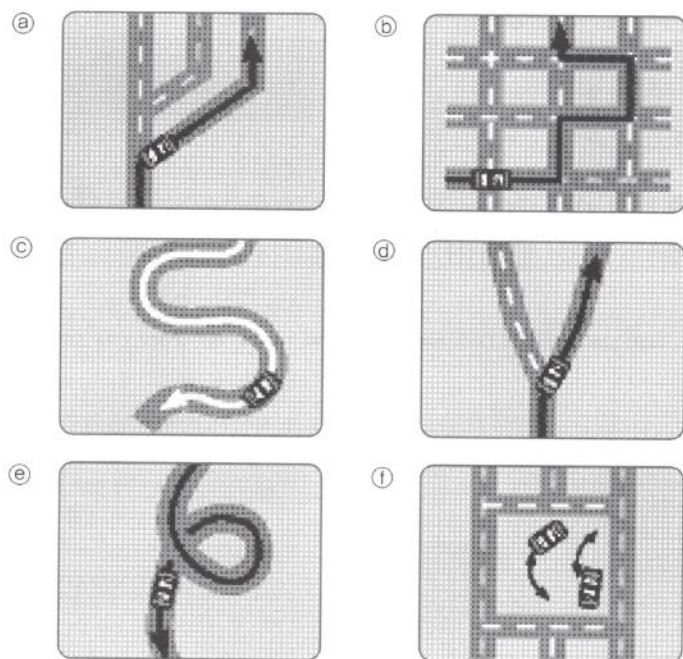f. Driving forward and backwards repetitively and driving on the narrow road

Note:
* If you are driving on a road that does not appear on the map screen, it's possibly a newly active road thus causing the GPS location on screen appear as if off road.

* When vehicle is in motion and GPS system is powered-on the screen map location may be different on initial start-up, this is only temporary, once the GPS signal is located, the screen map will change to current vehicle location.

9. Cases when the product can malfunction

* Attention : Be sure to set up the product after parking or stopping the car at a safe place.
Set up the product away from or vicinity of an airbag.
Set up the product where it does not disturb the functioning of navigating devices like handles and damping devices or gearboxes.
It is recommended to set up the GPS antenna on the front dash board of the car where the GPS signal reception is strong.

1. The map and guidance service can be different from the actual road condition.

2. In case of operating inside or underground, the GPS signal reception can be disturbed depending to the surroundings of the car.

3. In city centers that is crowded with buildings or tunnels, underground parking lots, and sealed areas, the GPS reception can be abnormal. So the product must be set up outdoors in open area.

4. Do not set up electronic products that generate serious electromagnetic waves like electronic transmitter. It can cause disruption in receiving GPS signal.

5. In case of driving in poor GPS reception areas, the time of recognizing the current location can take longer than normal.

6. In case of poor conditions of GPS reception, the location of the car on the map and the actual location can be different and it might not be able to recognize and indicate the correct current location.

7. Due to map matching error, it can indicated that the car is off the actual driving road.

8. The error of the GPS reception is about 10M and in case of driving roads that run closely parallel, the actual location and the location of the map might be different.

9. In case of using the product for the first time after purchase or not having used the product for a long time, it can take quite a long time for the GPS to recognize the current location. (Sometimes it takes about 5 to 30minutes) The time of reception can differ according to the condition of the GPS satellite. To recognize the current location wait a while until the condition of the GPS reception becomes stable.

10. Under the following circumstances, it may only be temporary.
   - In case of putting things on the GPS antenna
   - In case of metallic coated car glass
   - In case of cloudy weather
   - In case of other set up products that disturb the GPS reception inside the car.(camera alarm, certain MP3 products, CD player, certain wireless car starter and alarm)
   - Area with many skyscrapers.
   - In case the car is located under overpasses, tunnels, underground roads and inner parking lots
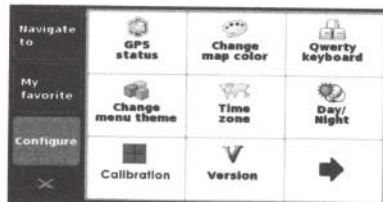
1. You may see the screen of message when you start the unit.
"Press the Cross point!"

```
        Press the Cross point!

                  +
```
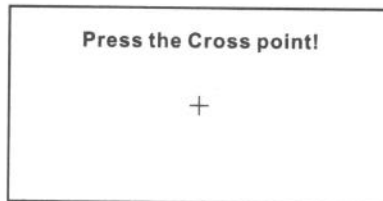
Follow the directions on the screen, cross point will move in 5 different positions.

2. If the "calib.ifo"is erased from the SD card,then you may need to re-calibrate the touch screen.

3. If you need to re-calibrate the touch screen,just select the "Calibration"icon in the Configure Menu screen.

Navigate to	GPS status	Change map color	Qwerty keyboard
My favorite	Change menu theme	Time zone	Day/ Night
Configure	Calibration	Version	→
×			

- Texts of Calibration -

1. You may see this text on screen when you enter the touch point calibration.
"Press the Cross point!"
2. When you verify the touch point calibration.
"Verify.Press the Cross point!"
3. You may see this text on the screen if error occurred during the Verification
"Calibration Error!Re-Calibrate!"
4. You may see this text on the screen if the verification is completed.
"Calibration OK!"

Components	Details		ETC
Processor	ATLAS 4	500MHZ	
GPS	Module	SiRF Star III ™	
		Every second once fix established	GPS signal update cycle
		Fix 5 meters 95% of the time	Position accuracy
		Active patch Ant(25×25)	External Ant.
Storge	SD Card	4GB	
Flash memory		128 MB	For device booting
SDRAM		128 MB	
POWER		AV power connector	
SPEAKER		None	AV set audio

warranty Service policy

Your NAVIBOX-2 comes with a standard one (1) year manufactures warranty.

Returning for warranty Service

When returning your NAVIBOX-2 for warranty service, please enclose a full description of problem and package the unit properly (original packing if possible) and return using a secure freight carrier (Ups, Fed-ex, DHL etc).
Please insure package in case of loss or damage due to shipping.
Ship to following address:

Enclose the following information

- Your name, address and a full description of the problem experiencing

- You telephone number where you may be reached during business hours.

- Enclose a copy of your Proof of Purchase" receipt.

Items not covered by Warranty

- The unit will void if returned without SD Card.

- Warranty will be voided if any files are added or deleted on SD Card.

- Warranty will be voided if water or physical damage to unit is apparent.

NAVTEQ ON BOARD