

INGENIX

O N B O A R D

7" 1-DIN Ingenix
Source Unit



Model: PNX-721



OPERATION MANUAL

English



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Introduction:

Ingenix is an advanced media platform capable of Lightning fast processing, picture in picture or split screen information display, Blue-tooth hands free calling and Blue-tooth music playback, GPS navigation and much more. Many of the features of Ingenix have never been available for in car use until now. Ingenix was designed to anchor your vehicle's entertainment system along with the convenience of GPS navigation and the safety of a rearview camera. Ingenix offers everything you need and desire.

READ BEFORE USE:

Please make certain that all persons using this In-dash system carefully read these precautions and the following instructions fully.

- Read this manual carefully before using this system components. They contain instructions on how to use this product in a safe and effective manner.
- This product is not a substitute for your personal judgment. Any route suggestions made by this navigation system may never supersede any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.
- Glance at the screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, pull over in a safe and legal manner and location.
- Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor and/or remote control while you are driving. Pull over in a safe and legal manner and location before attempting to access the system.
- Do not use the navigation system to route you to emergency services. Not all locations of emergency services such as police and fire stations, hospitals and clinics are contained in the database. Please use your own judgment and ask for directions in these situations.
- The map database is designed to provide you with route suggestions and does not take into account the relative safety of a suggested route or of factors which may affect the time required to reach your destination. Use your own personal judgment if the navigation system is unable to provide you with an alternate route.
- There may be situations where the navigation system displays the vehicle's location erroneously. Use your own driving judgment in this situation, taking into account current driving conditions. Please be aware that in this situation the navigation system should correct the vehicle's position automatically. However, it is possible you may have to correct the position yourself. If this is the case, pull over in a safe and legal manner and location before attempting operation.
- Make certain that the volume level of the navigation system is set to a level which still allows you to hear outside traffic and emergency vehicles (see navigation operation page 59.)
- This product's rated input voltage is DC 12V. Please check your vehicle's electrical system before use.
- Radio reset: this should only be used if the product fails to operate properly.



RESET

Press and hold the Reset button for 3 seconds to reset.



MIC

FCC COMPLIANCE STATEMENT:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.



Warnings:

INSTALL THE PRODUCT CORRECTLY SO THAT THE DRIVER CANNOT WATCH TV/VIDEO UNLESS THE VEHICLE IS STOPPED AND THE EMERGENCY BRAKE IS APPLIED.

It is dangerous (and illegal in many states) for the driver to watch TV/Video while driving a vehicle. Installing this product incorrectly enables the driver to watch TV/Video while driving. This may cause a distraction, preventing the driver from looking ahead, thus causing an accident. The driver or other people could be severely injured.

DO NOT WATCH VIDEO WHILE DRIVING.

Watching the video may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA.

This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.

Doing so may result in personal injury or damage to the product.

LCD Care:

Avoid exposing the LCD panel to direct sunlight for prolonged periods of time. Extended exposure can result in premature failure due to temperature outside normal operation limits. +45°C (+113°F) and 0°C (+32°F)



Cellular phone antennas should be kept a minimum of six inches from the LCD panel to prevent disruption of LCD video signals. This can cause colored strips, spots and other effects of this nature.

To protect the LCD panel be certain to touch the panel with only your fingers. Do not use any rigid or metal objects as they can damage the panel.

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, dampen the cloth with water only. Anything else has a risk of dissolving the paint or damaging the plastic.

Notice to viewers while driving:

It is dangerous (and illegal in many states) for the driver to watch TV/Video while driving a vehicle. Installing this product incorrectly enables the driver to watch TV/Video while driving. This may cause a distraction, preventing the driver from looking ahead, thus causing an accident. The driver or other people could be severely injured.

What's included:

Package Information

Accessories Name	Qty
GPS Antenna	1
Power Cable	1
Warranty Card	1
User Guide	1
Mounting Sleeve	1
Trim Ring - 1	1
Trim Ring - 2	1
Plain Washer	1
Spring Washer	1
Mounting Strap	1
Screw 1	4
Screw 2	1
Screw 3	1
Nut	1
Rubber Cushion	1

Expansion options:

Your new Ingenix multimedia source unit is capable of many features as you will read about through this operation manual. There are also additional options that can be added. See the options below and contact your nearest Ingenix Authorized dealer for more information.



IP-5C :

iPod interface cable

This optional cable will allow direct control of your iPod displaying both audio and video on your Ingenix Source unit. The IP-5C will also keep your iPod or iPhone charged during use. See the compatibility list below to confirm support for your model.

iPod compatibility list:

iPod touch (4th generation)

iPod touch (3rd generation)

iPod touch (2nd generation)

iPod touch (1st generation)

iPod classic

iPod with video

iPod nano (5th generation)

iPod nano (4th generation)

iPod nano (3rd generation)

iPod nano (2nd generation)

iPod nano (1st generation)

iPhone 4

iPhone 3GS

iPhone 3G

iPhone

ATSC-MH Module:

TV Tuner

The ATSC-MH TV tuner module will allow crystal clear digital TV reception through your Ingenix Source unit.

Reverse view camera

Your Ingenix source has connections for a reverse view camera. This dedicated connection will display an onscreen rearview whenever the vehicles reverse gear is engaged.

REM-5:



Remote control:

The Ingenix remote control is available for you Ingenix source unit. The remote comes in very handy for control while driving as you do not need to take your eyes off the road to enter commands.



Starting to use Ingenix

Ingenix is an advanced product. Take some time to read this manual and get familiar with your new Multimedia source unit. While Ingenix is quite intuitive this manual will help you better understand all the capabilities and features to help you get the most out of your purchase.

OPERATION:

Home S screen



Day s creen



Night screen



- 1 Quick Access Links
- 2 Clock
- 3 Marquee Banner
- 4 Slider Menu



Access to source unit options

The above picture displays the two main areas of the home menu. The lower section is the slider which can access any option of the radio with a simple swipe of your finger from left to right or right to left. To access the option it must be centered. Swipe the slider until you can see the option desired is in one of the five locations. If the desired option is not center simply touch the option and it will center. Once the icon is centered touch again to open the option.

Creating your quick access links

The second main area of the home screen is the quick access links in the upper section. Source options from the slider can be moved to the quick access links for quicker access to often used sources. A total of six source options can be placed in the quick access links. Follow steps below to add source options to the quick access links. The option from one section will always switch places. Ex. If Blue-tooth music is moved from the slider to the quick access links whatever option the Blue-tooth music source replaces will be moved to the slider where Blue-tooth music was located.

- To move source options to quick access links swipe the slider with your finger either left or right to locate the desired source option.
- With the option visible in any of the five locations on the slider press and hold the option with your finger and slide it up to the quick access location desired.
- Repeat this with all six quick access links to create your list.
- This can be changed at anytime in the future following the same steps.

Marquee banner

The Marquee banner can be customized to display any statement.

INGENIX



- Touch the Marquee banner to access the keyboard.
- Type the desired statement then press the enter key.

- You can also change the color of the text on the Marquee to Red, Orange or Blue.
- The Home screen will be displayed with your statement

Pull down menu in Home Screen.



- | | |
|-----------------------------------|-------------------------|
| 1 Home screen button | 4 Clock settings button |
| 2 PIP (Picture in picture) button | 5 Sound settings button |
| 3 Brightness button | 6 Screen saver button |

Pull down menu

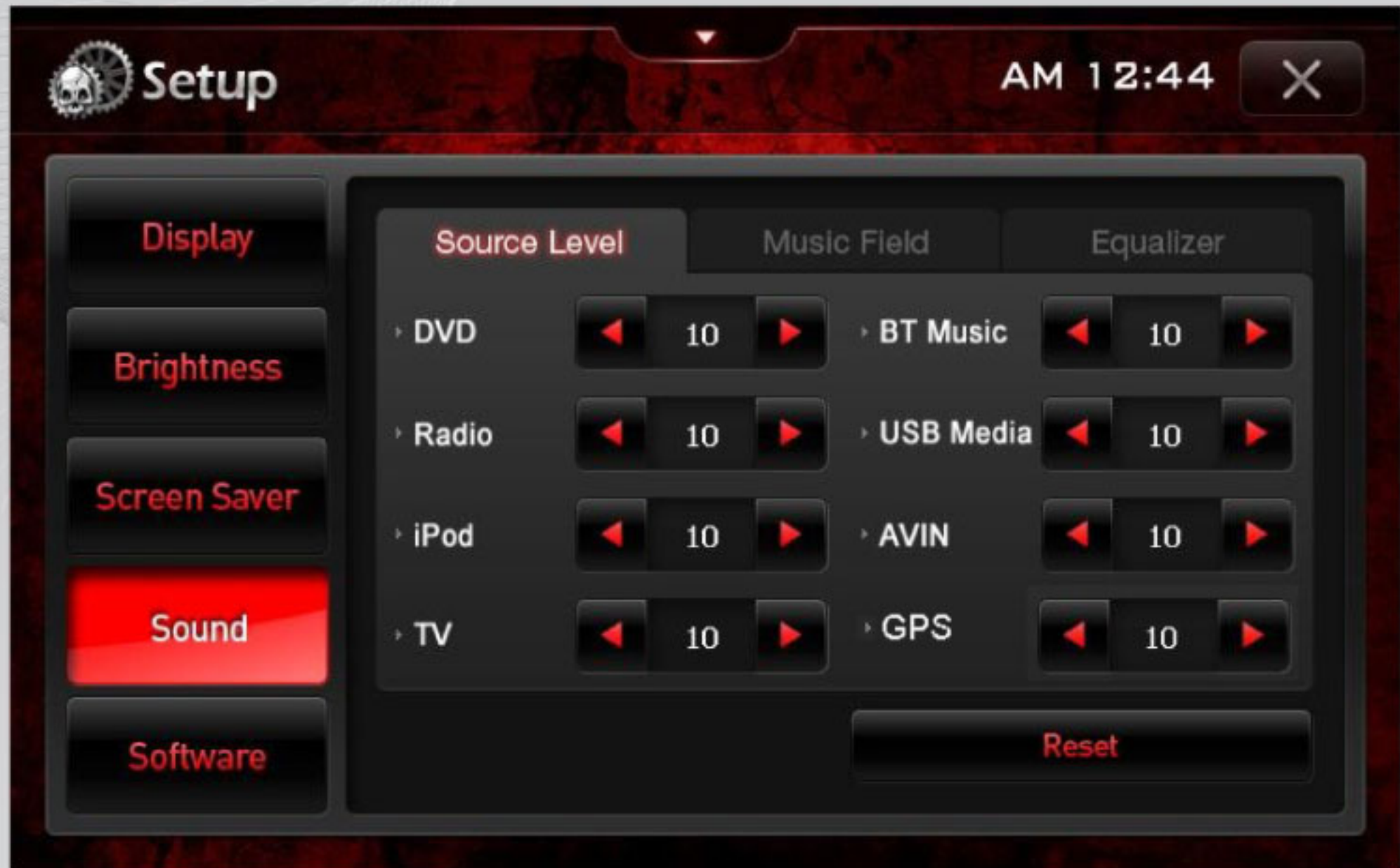
At the very top of the almost every source you will notice a small icon. This icon will access the pull down menu. The options in the pull down menu differ slightly from one source to another. See the section of the desired source for more information on functions of the pull down menu in that source.

- In this menu you can access six options.
- The Home screen button will return the system to the home screen from whatever source is active.
- The PIP button will open the Navigation source provided it has been started and the safety notice has been agreed to.
- *Note: The Navi PIP button has a slightly different effect in different sources. see instructions on each source for more information.*
- Brightness allows control over the brightness of the display. This icon also allows you to turn the screen on or off by this icon.



- The clock settings button will open the clock settings menu





The Sound settings button will directly access the setup menu with sound options accessed. This is a quick link to allow the user to change sound settings with fewer steps. See page 101 for information on sound options

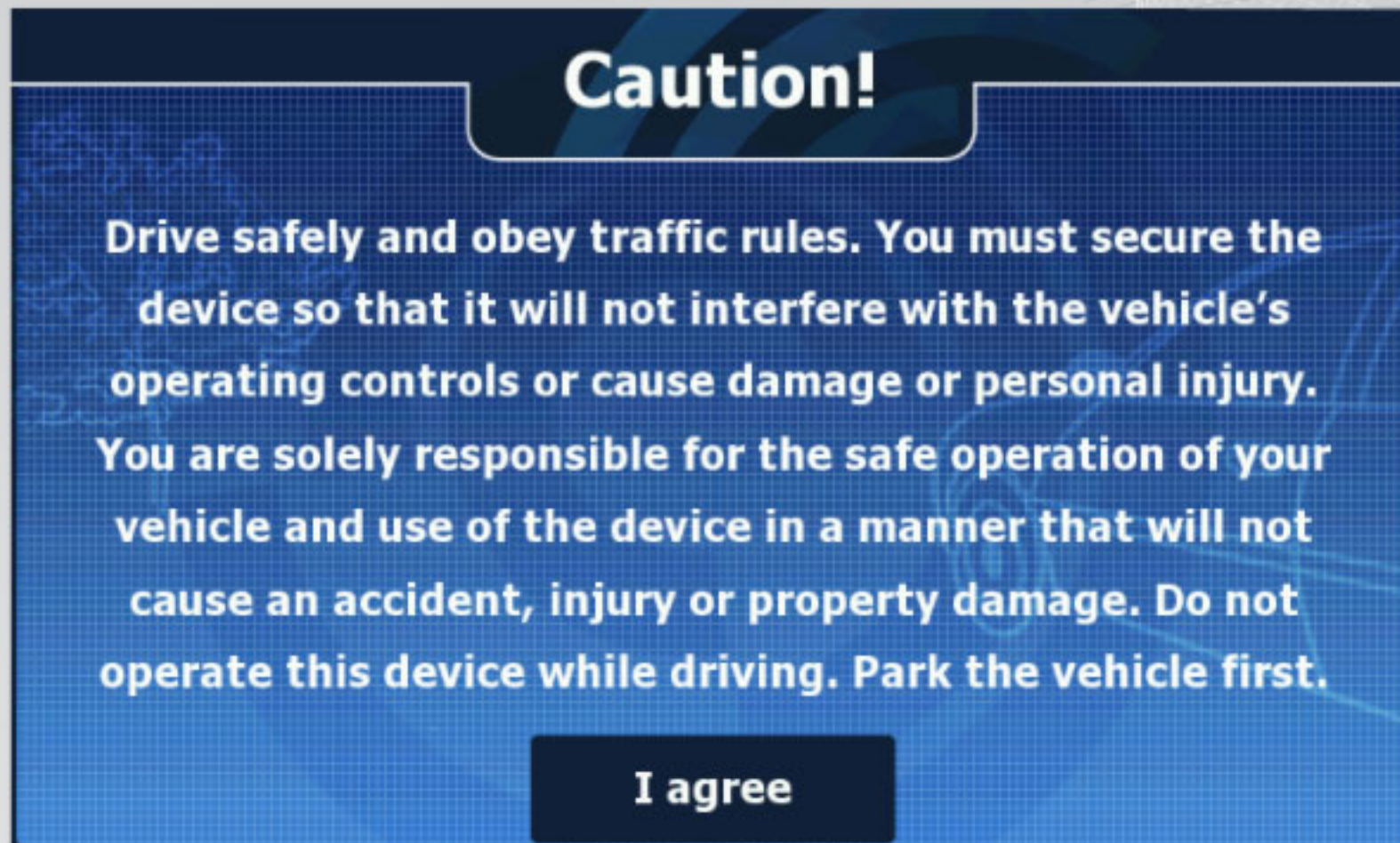


01. Basic Screen

a) Getting started. Initial Screen.

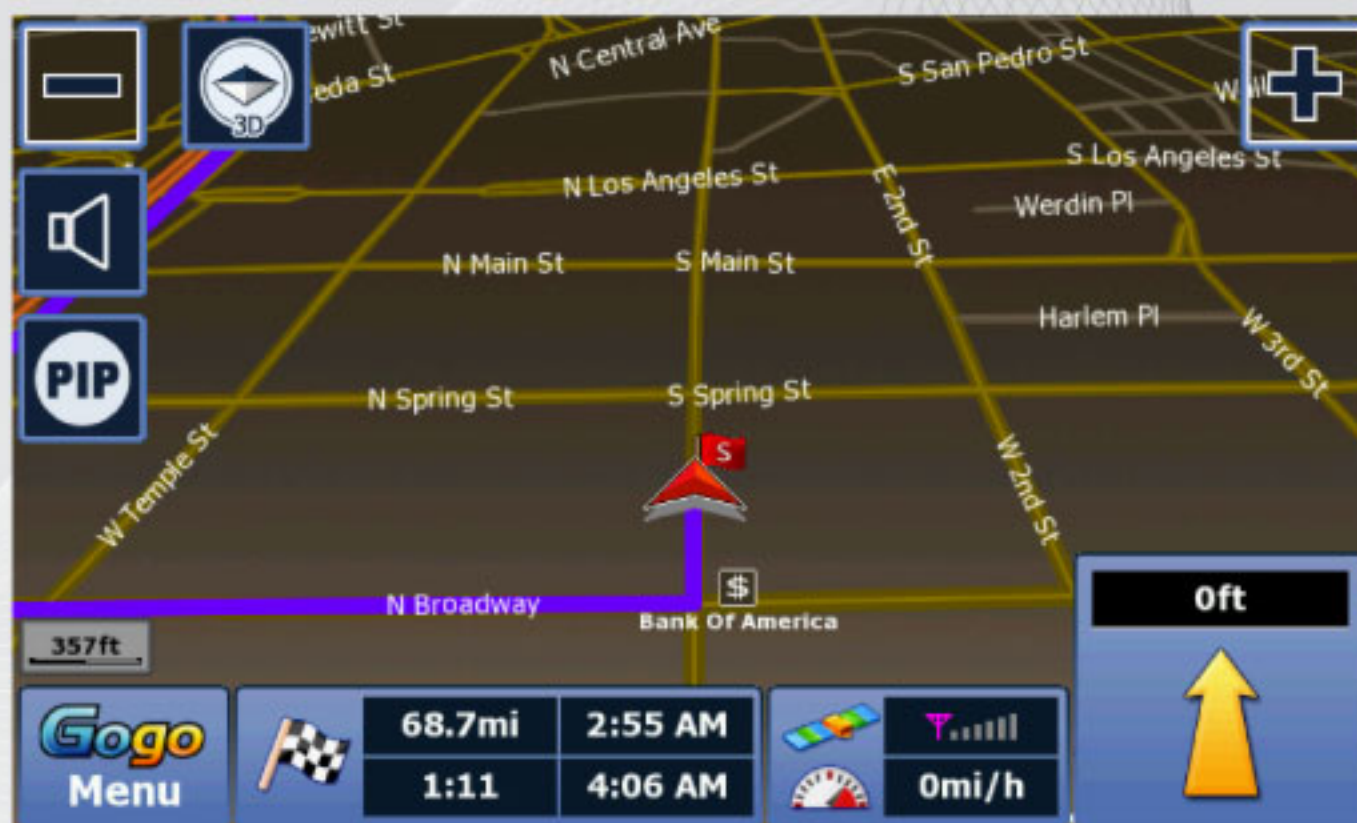
Navigation

< Declaration screen >



After Gogo starts, you will see the declaration screen as shown above.

< Map screen features - Normal mode >



The navigation system automatically locates your current position on the map by receiving GPS signals. If the navigation system doesn't receive GPS signals properly, it could take some time to locate your current position.

b) Map screen features - Driving Guidance Mode

The screen image below shows the map screen features when in guidance mode. Descriptions of each item are as follows:

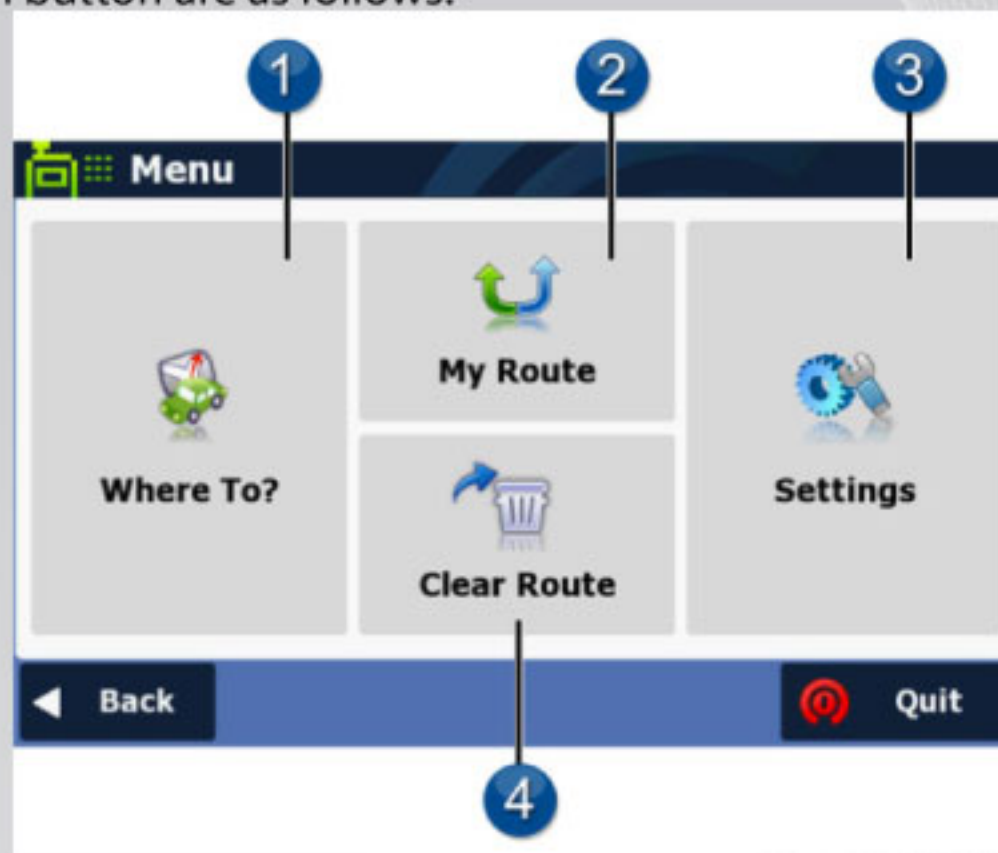


<Map screen features>

1. Zoom out: Zooming out from level 1 to level 21
2. Compass: By tapping this icon, you can change the map display mode.
To Track up, North up or 3D view. (Refer to Settings>Map View for more information)
3. Next street name
4. Lane Guidance
5. Zoom in: Zooming in from level 1 to level 21
6. Current street name
7. Turn-by-Turn instruction: Indicates next guidance information (Tap this icon to go to Turn-by-Turn screen)
8. GPS signal reception: Tap this icon to go to GPS Status/information page.
9. Current Speed
10. Current Time
11. Expected time to arrival at destination
12. Remaining travel time from current position to destination
13. Remaining travel distance from current position to destination (To go to Route Summary page, tap anywhere from 9-12)
14. Menu button: Tap to go to Menu
15. Map scale: Indicates current map scale level
16. Voice guidance repeat button: Repeats the last voice instruction
17. Picture in picture

02. Menu

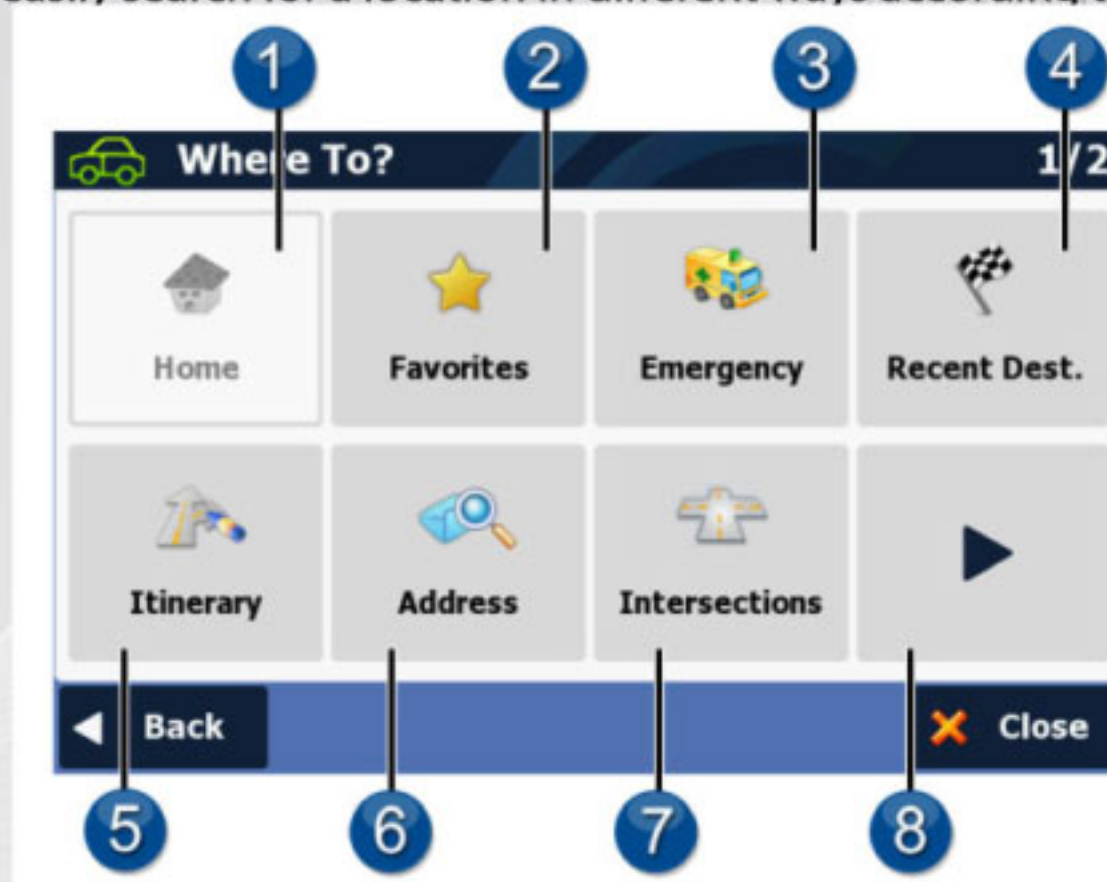
The main menu can be accessed by pressing the 'Menu' button on the map screen. Descriptions of each button are as follows:



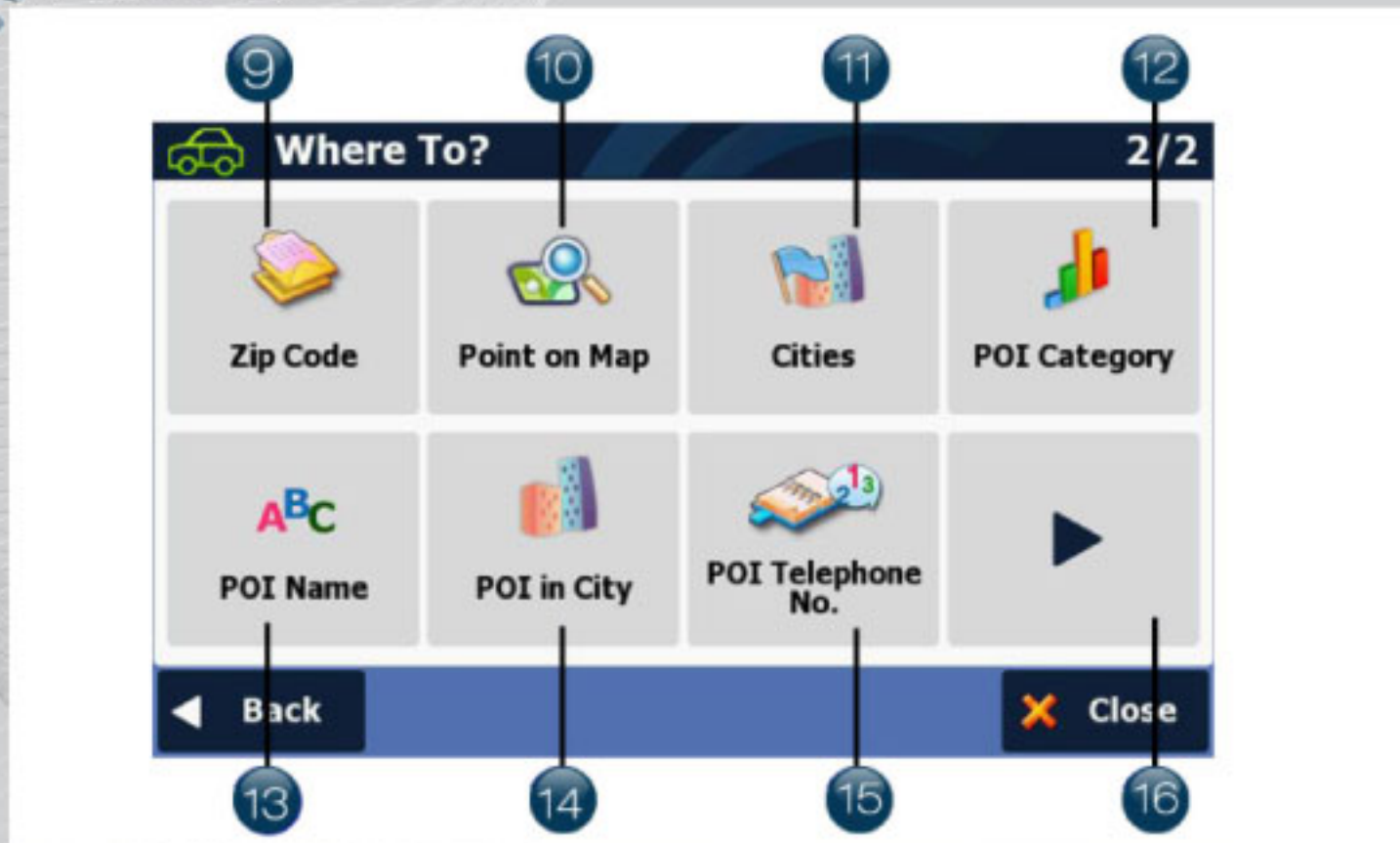
- 01) [Where to?] Search for a location in various ways.
- 02) [My Route] Editing the current route or retrieving the current route information.
- 03) [Settings] Customizing settings of the navigation system.
- 04) [Clear route] Remove all existing locations from route.

a) Where to?

The following 'Where to?' screen is accessed by pressing the 'Where to?' button on the <Menu> screen. Users can easily search for a location in different ways according to their purpose or preference.



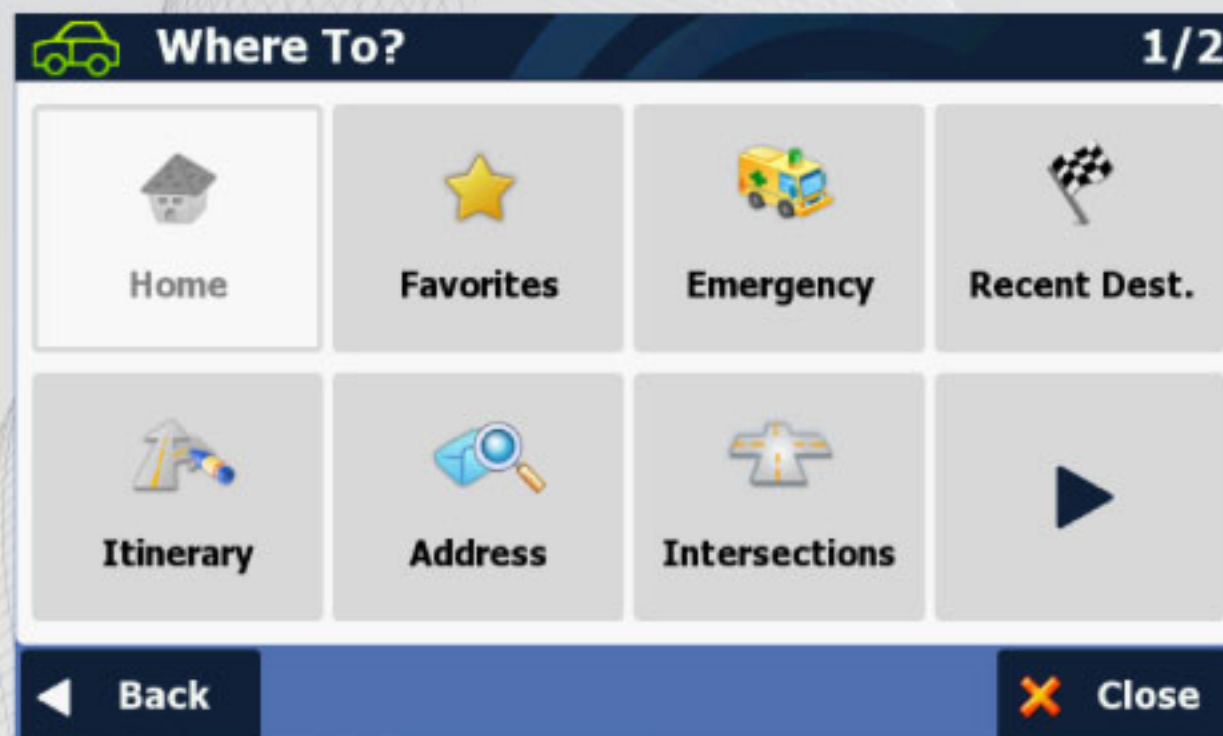
- 01) [Home] Searching for your home location saved on your favorites list.
- 02) [Favorites] Searching for locations saved to your 'Favorites'
- 03) [Emergency] In case of emergency, quickly search the nearest point of interest from your current position without any complicated searching procedures.
- 04) [Recent Destination] Presents a list of recently searched destinations.
- 05) [Itinerary] Create or edit itineraries.
- 06) [Address] Searching for addresses.
- 07) [Intersections] Searching for intersections.
- 08) [▶] Go to page 2.



- 09) [Zip Code] Searching for locations by zip code.
- 10) [Point on Map] Searching for locations by pointing on the map.
- 11) [Cities] Searching for locations by city name.
- 12) [POI Category] Searching for POI around your current position.
- 13) [POI Name] Searching for locations by POI (Point Of Interest) name or part of name.
- 14) [POI in City] Searching for a POI in a certain city.
- 15) [POI Telephone No.] Searching for locations by telephone no.
- 16) [▶] Back to page 1.

Home

This function allows you to quickly navigate to your home. You can also search for your home location via 'Favorites'.

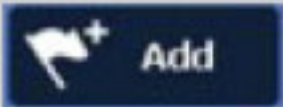


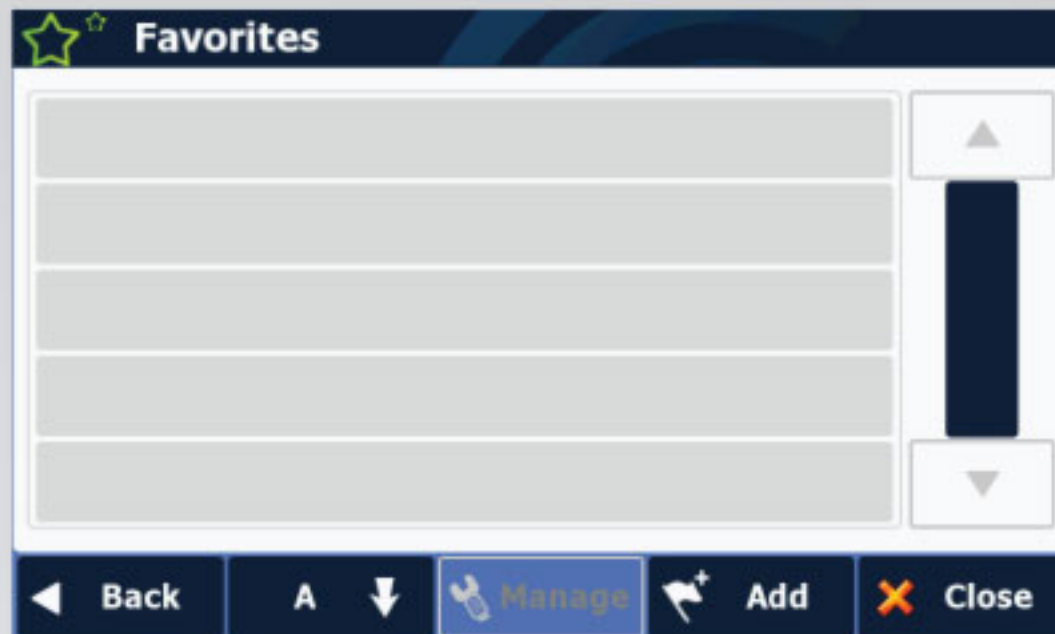
Select 'Home' on [Where to?] screen.

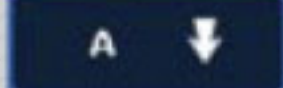
This [Home] button will be activated if you registered your home location via [Add to favorites] explained on page 9 or [Settings]>[Home]. Only one place can be registered as the home location. You can change your home location via [Settings]>[Home] and also delete it via [Settings]>[Manage Favorites].


Favorites

This function allows your to save addresses or Points of Interest (POI) that your frequently vist; for example, you may want to save your work address or friend's address so that you can quickly and easily navigate to it.

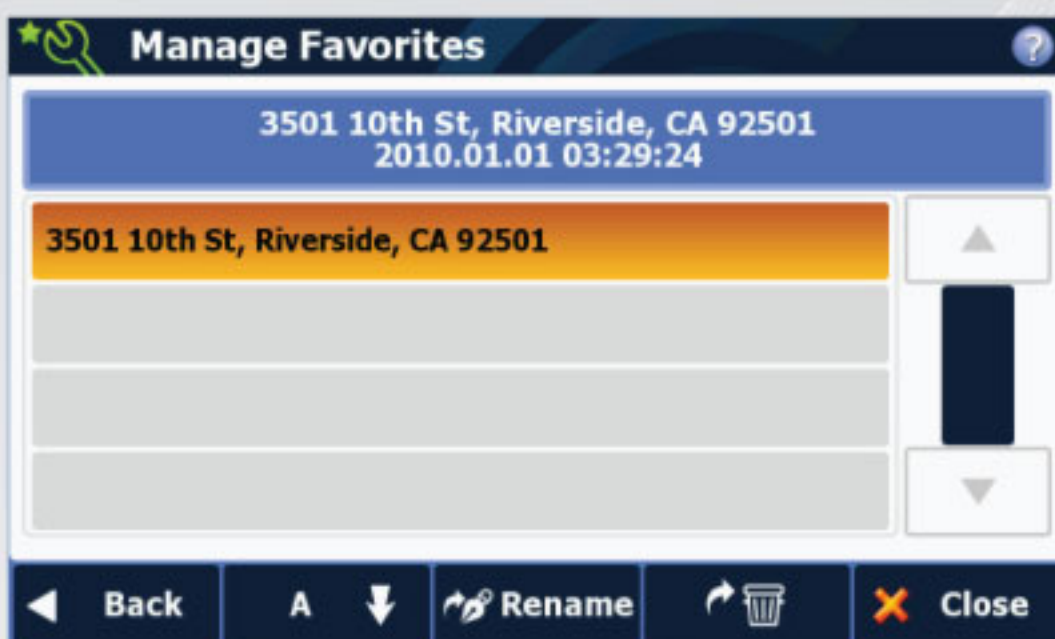
1. Select 'Favorites' on [Where to?] screen.
2. Press the  button to add a location to your favorite list.
3. To navigate to a favorite, simply tap on the favorite name.





Select  to order existing favorites alphabetically.

Select  to order existing favorites by the date / time of when you created the favorite entry.

4. Select the manage button,  to edit, rename or delete your favorites.



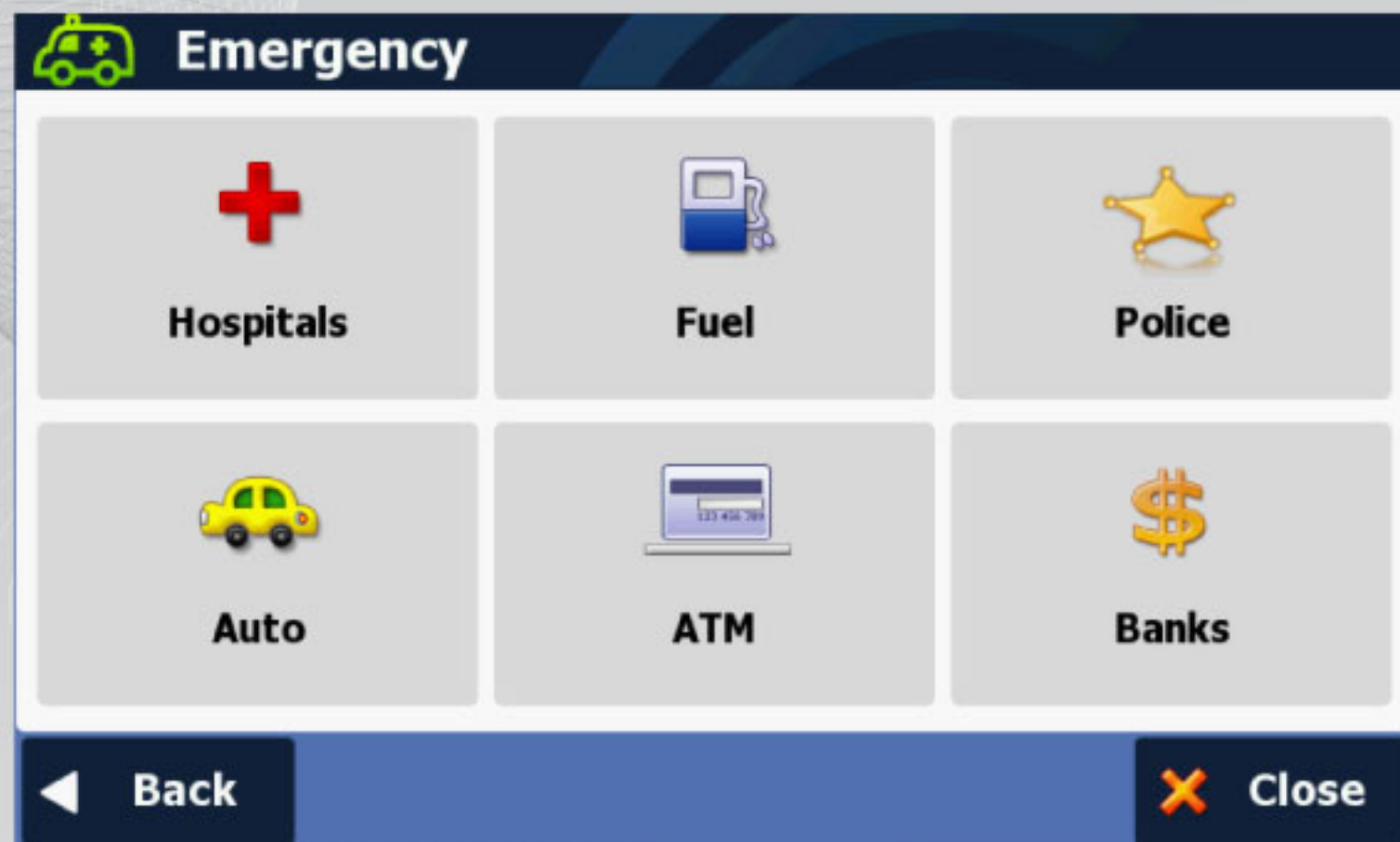
5. Press the rename  button to rename a favorite.
6. Press the delete  button to delete a favorite.

The [Home] favorite also appears in the favorite list. You can edit, change or delete the [HOME] location via [Menu]>[Settings]>[HOME].



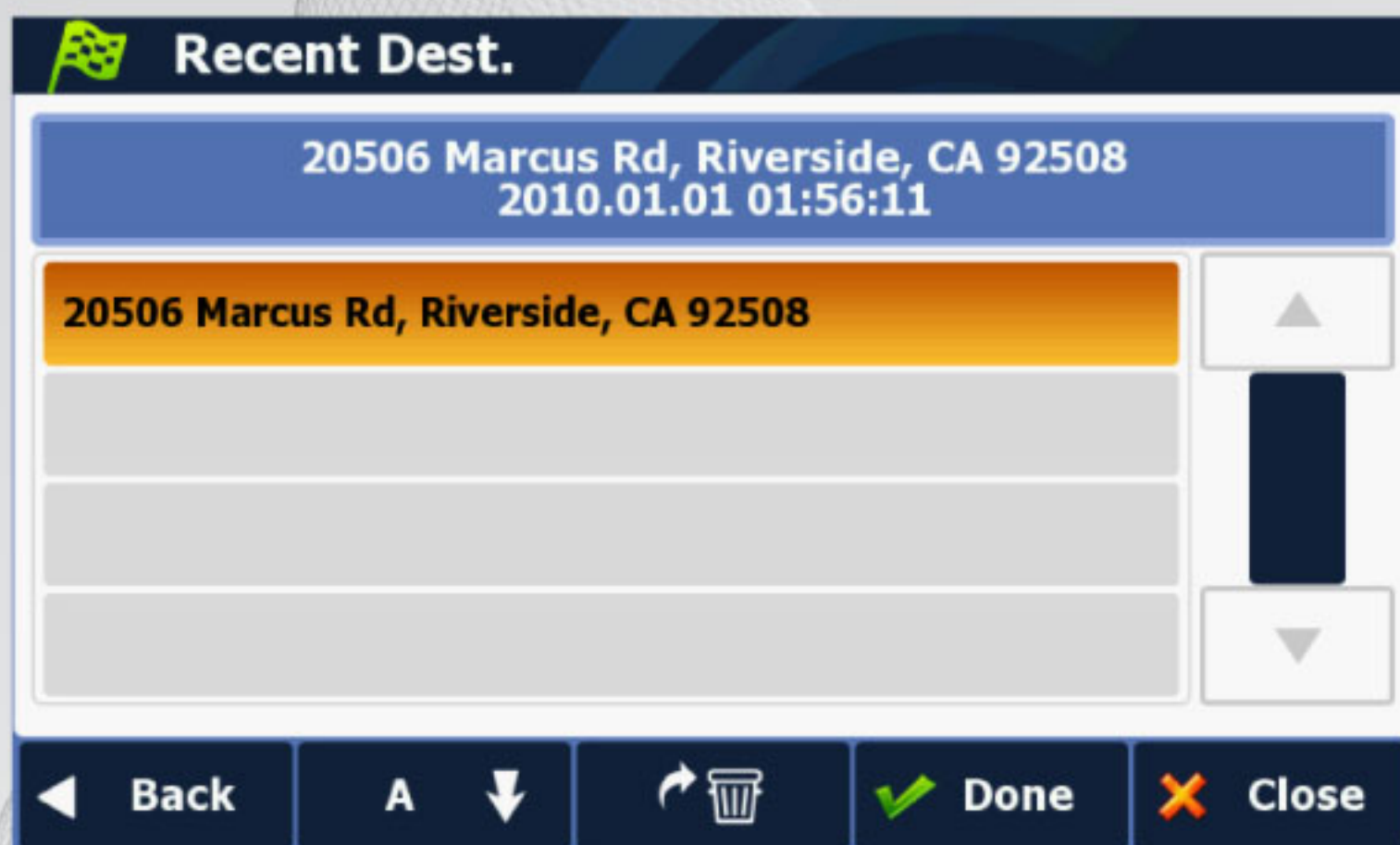
Emergency

In case of an emergency, quickly search the nearest emergency point of interest (e.g. hospital) from your current position without any complicated searching procedures. It will then find a route and start guidance automatically.



Recent Destination

Searching for recent destinations, (Automatically saves up to ten destinations.)



1. Select 'Recent Destination' on [Where to?] screen.
2. It will list recent destinations.
3. Select one of locations on the list then tap 'Next' button.

For sorting by name tap  . For sorting by time tap  .



Address

Searching for a location by using address.

State/Prov: California [CA] **Change**

City: Riverside **Del**

Riverside, CA

Q W E R T Y U I O P

A S D F G H J K L

Z C V B N M _

Back 123 Close

<City Search>

State/Prov: **Del**

Alabama [AL]

Alaska [AK]

Q W R T Y U I O P

A S D F G H K L

C V B N M _

Back 123 Close

<State/Province Search>

City: Riverside, CA

Street: MAR **Del**

Marathon Pl

Maravilla Dr

Q E T Y I O

A S G K L

C V B M _

Back 123 Close

<Street Search>

City: Riverside, CA

Street: Marcus Rd

House Number: 20 (20400-20599) **Del**

1 2 3 4 5 6

7 8 9 0 - _

Back Done Close

<House number Search>

1. Select 'Address' on [Where to?] screen.
2. For your convenience, previously searched state/province name and city name are initially selected on the first stage of address search. If you want to change state/province, tap [Change] button. For State/Province search, you can search by either the full name (e.g. New York), or abbreviation (e.g. NY).
3. Search for a city name by typing letters, Then choose it on the result list. (Only valid next letters appear.)
4. Search for a street name by typing letters then choose it on the result list.
5. Reconfirm your state/province, city, and street choices on the top of <House number Search> page, then type the House no. and tap 'Done' button.



03. Main Function

Address

Dolf Ct/ Marcus Rd, Riverside, CA

Dolf Ct/ Marcus Rd, Riverside, CA

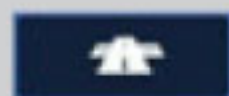
Gelman Dr/ Marcus Rd, Riverside, CA

Jacob Dr/ Marcus Rd, Riverside, CA

Nathan Dr/ Marcus Rd, Riverside, CA

Back Done Close

(Instead of searching [House No.], searching by intersection is also possible. Tap this intersection image button



then, it will list intersections of the selected

street. Select one on the result list, then tap 'Done' button.)

Intersections

Searching for a location by using intersection.

1. Take the searching steps [STATES]-[CITY]-[STREET], then it will list intersection of selected street. Select one on the result list, then tap 'Done' button. (Refer to image screens on page 23 for searching steps.)

POI Telephone No.

Searching for a point of interest location by using Telephone No.

State/Prov: California [CA] Change

POI Telephone No.: Del

191-644-5442

209-000-1111

1 2 3 4 5 6

7 8 9

Back Done Close

POI Telephone No.

1800 Prescott Rd, Modesto, CA

Briggsmore Plaza

Weston Ranch Towne Ctr

Bank Of America ATM

Bank Of America ATM

Back Done Close

1. Select 'Telephone No.' on [Where to?] screen.
2. Search telephone number by typing numbers.
3. Tap one on the list that you are looking for, then it will list address information corresponding to the selected telephone number. Select one on the result list, then tap 'Done' button to proceed.

Zip Code

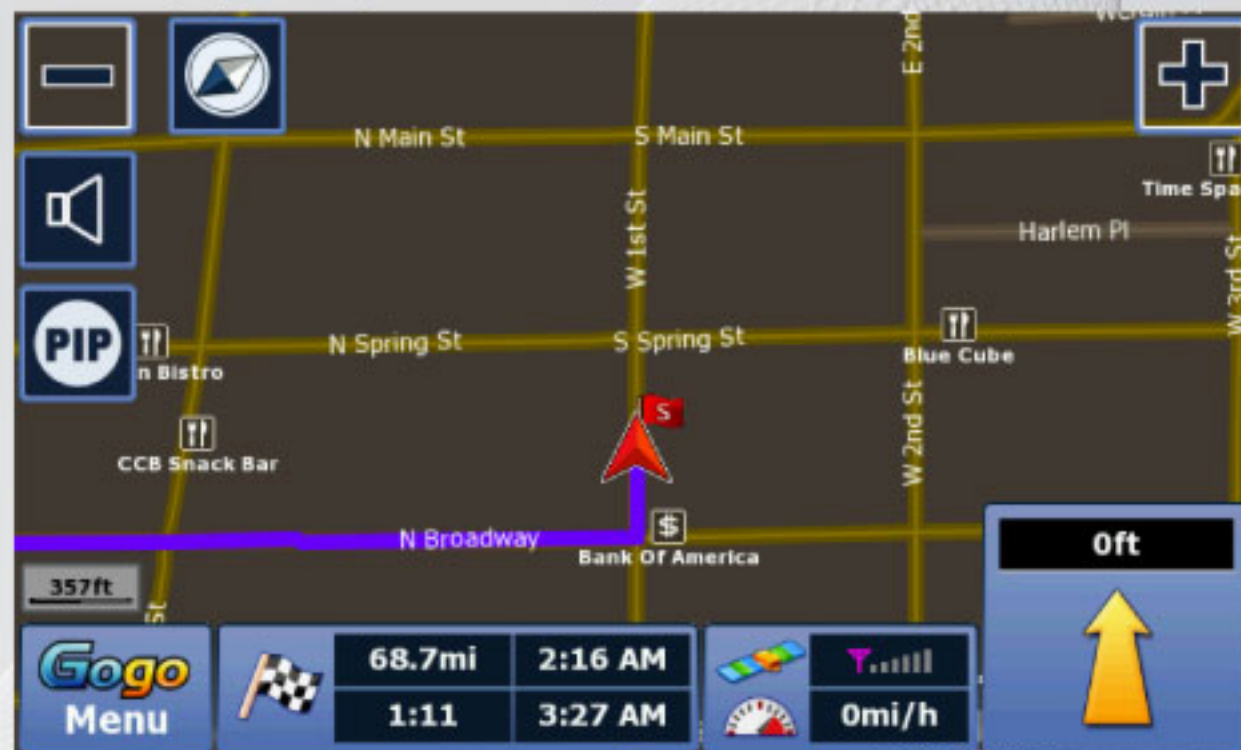
Search for a location by using zip code.

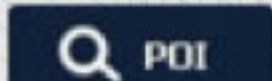
State/Prov: California [CA]		Change
Zip Code:		← Del
00049 (Acampo)		▲
90001 (Acton)		▼
9 0		⌂
◀ Back	#%&	✖ Close

1. Select 'Zip Code' on [Where to?] screen.
2. After searching zip code, proceed to the next searching steps [Street]-[House no.] or [Intersection]. (Refer to address search on page 23.)

Point on Map

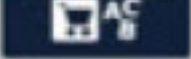
Searching for a location by pointing on the map.



- 1) Tap: Tap anywhere on the map and you will see the street address. Press the done button to set this location as your destination or via point.
- 2) Pan: Press and drag the map to pan in any direction.
- 3) Find a POI nearby the chosen point on the map by tapping find POI  button.



'Point on Map' may be accessed at any time simply by tapping on the main map window.

To change the labeling option on the map, tap the button . You can turn on and off three map labeling options: 'Street name', 'POI Symbol & Name', and 'Favorites Symbol & Name'.

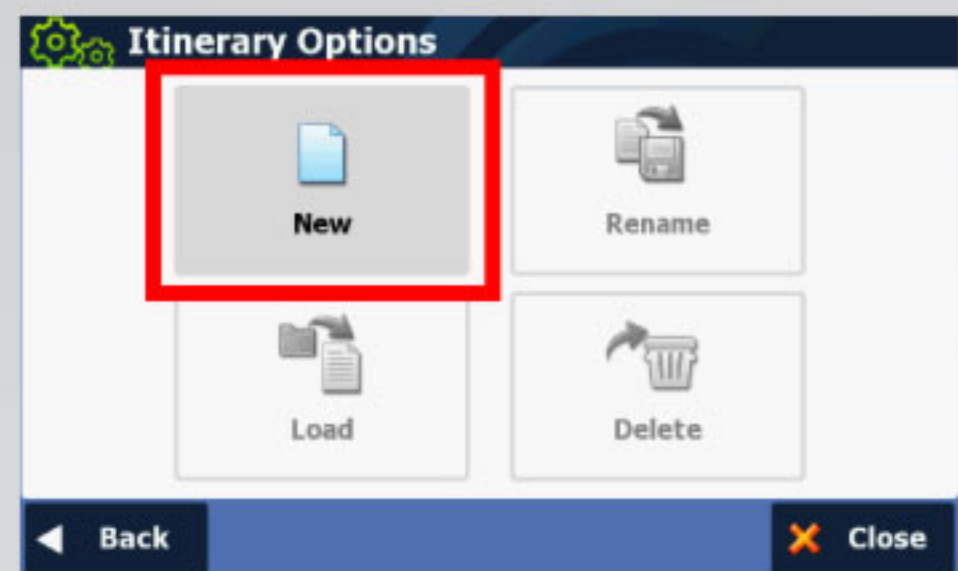
Refer to [Settings]-[Label On Map] on page 43 for more information.

Itinerary

In this page, you can plan the details of your itinerary. For convenience sake, you can save your itinerary so that you can easily start traveling without any searching steps next time.



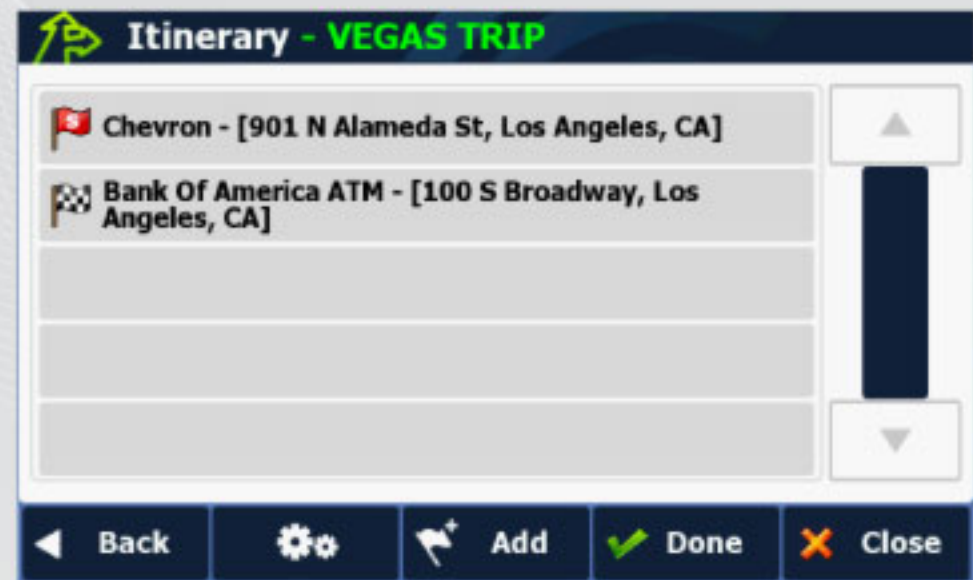
<Current Itinerary (Initially empty)>




<Itinerary Options>



<Itinerary name>



<Current Itinerary (Recently planned)>

1. The initial itinerary page is empty. To plan a new itinerary, tap  .
2. Select [New] button, then enter a name for a new itinerary. Tap 'Done' button.

Start Navigation: Start traveling

New: Create a new itinerary.

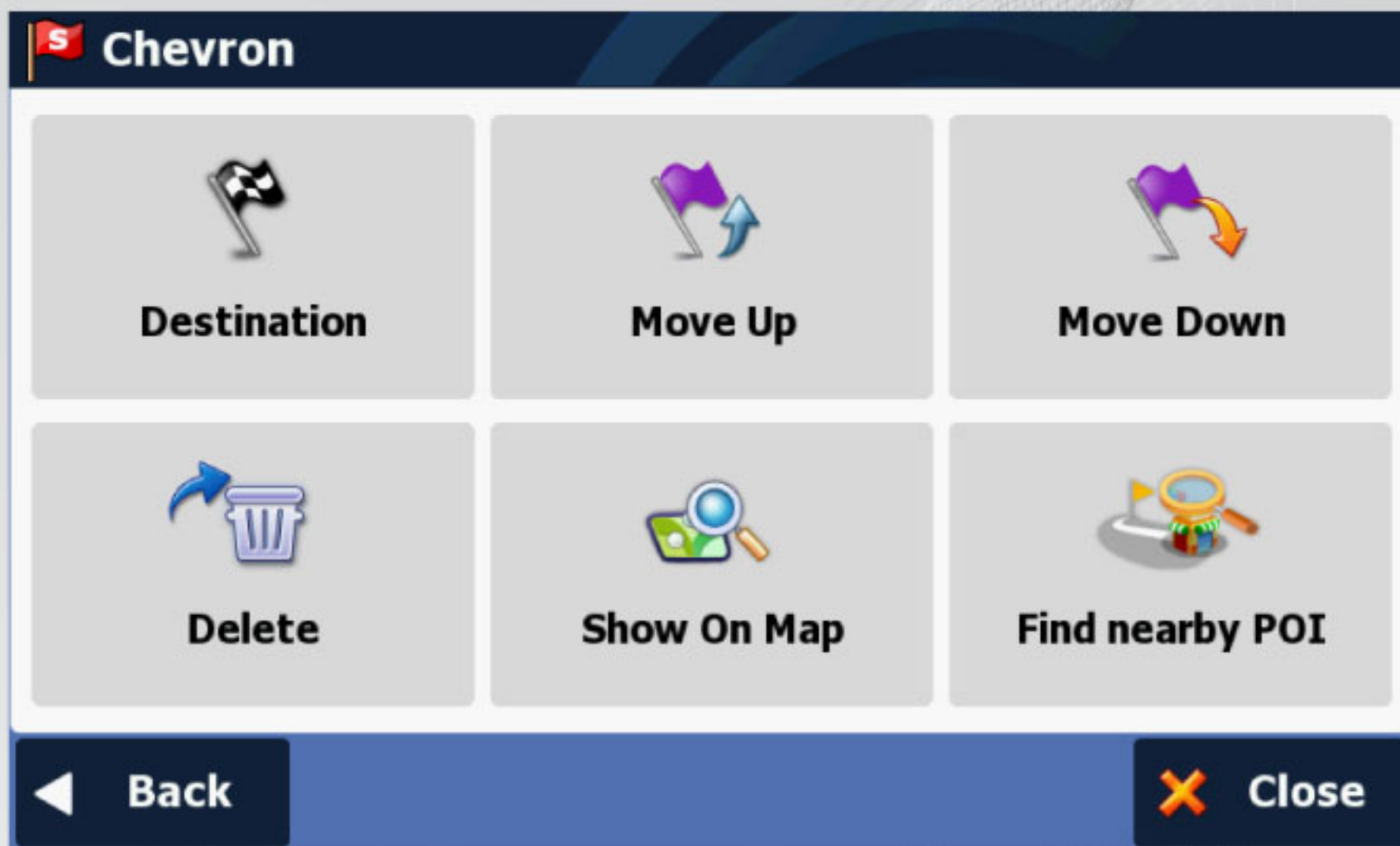
Rename: Rename the current itinerary.

Load: Load one of itineraries.

Delete: Delete one of itineraries.

3. To add a location to your itinerary as departure, via point, or destination, tap  **Add** .

If you select a location on the list, it will present six options for editing the selected location.



Destination: Set a selected location as destination.

Visited: Setting a selected location as a visited location tells the navigation system that you've already visited this location, so skip this location when routing. Re-applying this function to a visited location will cancel the visitation of it. (This function will be deactivated if the selected location is a destination or departure.)

Show On Map: This function will take you to the selected location on the map.

Delete: Delete a selected location.

Move up: Move up a selected location in the itinerary.

Move down: Move down a selected location in the itinerary.



Cities

Search for the center of city. After taking searching steps [STATE]-[CITY], press [Done] when ready. Refer to [STATE]-[CITY] searching steps on page 23.

POI Name

Searching for a location by using the full POI name, or part of the name.

State/Prov: California [CA] Change
City: Riverside, CA Change
[Del]
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 _
Back 123 Close Next

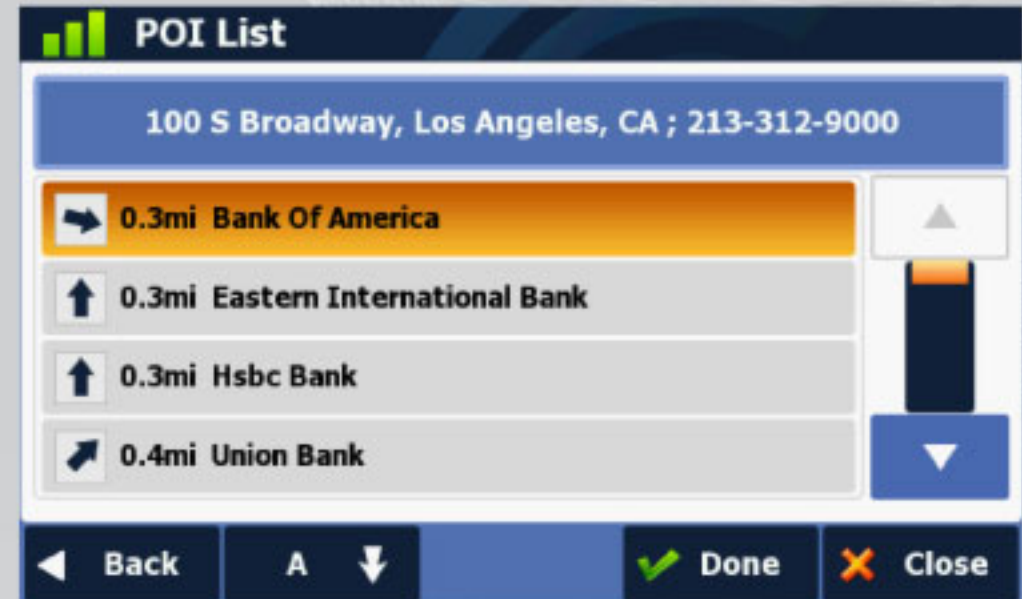
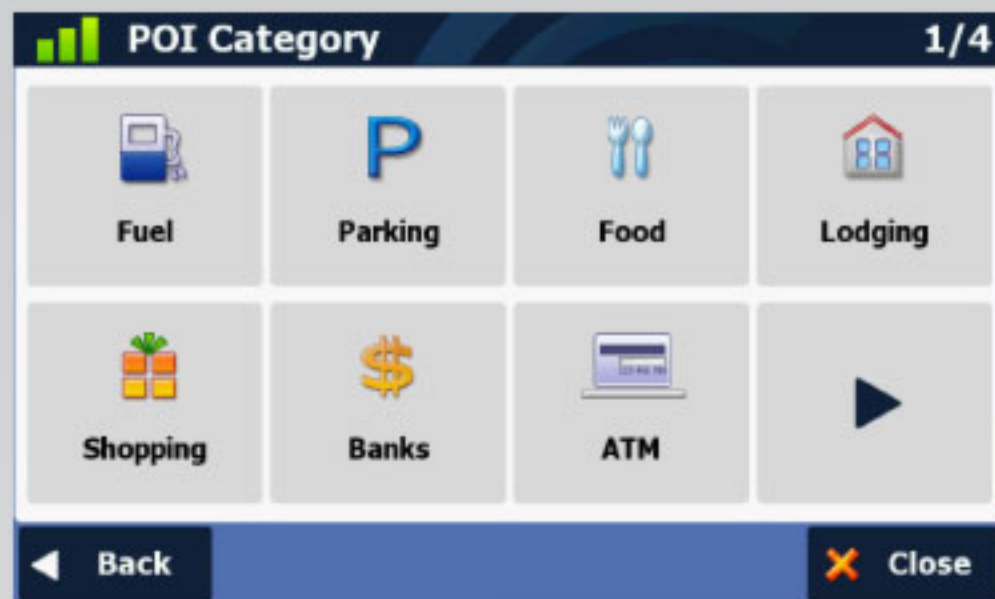
POI Name
Adams Motor Sports Park
Adrienne Mitchell Mem Park
Agate Park
Agricultural Park
Andulka Park
Back Close

1. Select 'POI Name' on the [Where to?] screen.
2. The previously searched state/province name and city name are initially selected. If you want to change state/province or city, tap [...] button. Type POI Name then tap 'next' button. It will list valid POI names corresponding to the letters you've typed. Select one of the POI names that you're looking for, then it will list all valid locations with address information. Choose one and then tap 'next' button. (When typing, only next available letters appear.)
3. Press [Done] when ready.



Note: You can also search for part of a POI name or part of a word in the POI name; for example, if you search for the word 'Park', you can find all POIs with the word 'Park' in their name; Park Run Cafe, Mall Parking, CafePark etc.

POI In City

Searching for a POI in a particular city.



1. [POI Category] screen (left screen image) is shown when you finish [State/Prov]-[City] searching steps. The 28 POI categories are arranged in the order of frequency of driver's use. (Refer to 'Address' search on page 23 for [State/Prov]-[City] search.)

2. Select one of POI categories, then it will list POIs in order of distance from current position. Tap  to order alphabetically, or tap  to order by distance. Select one POI, then tap next button.

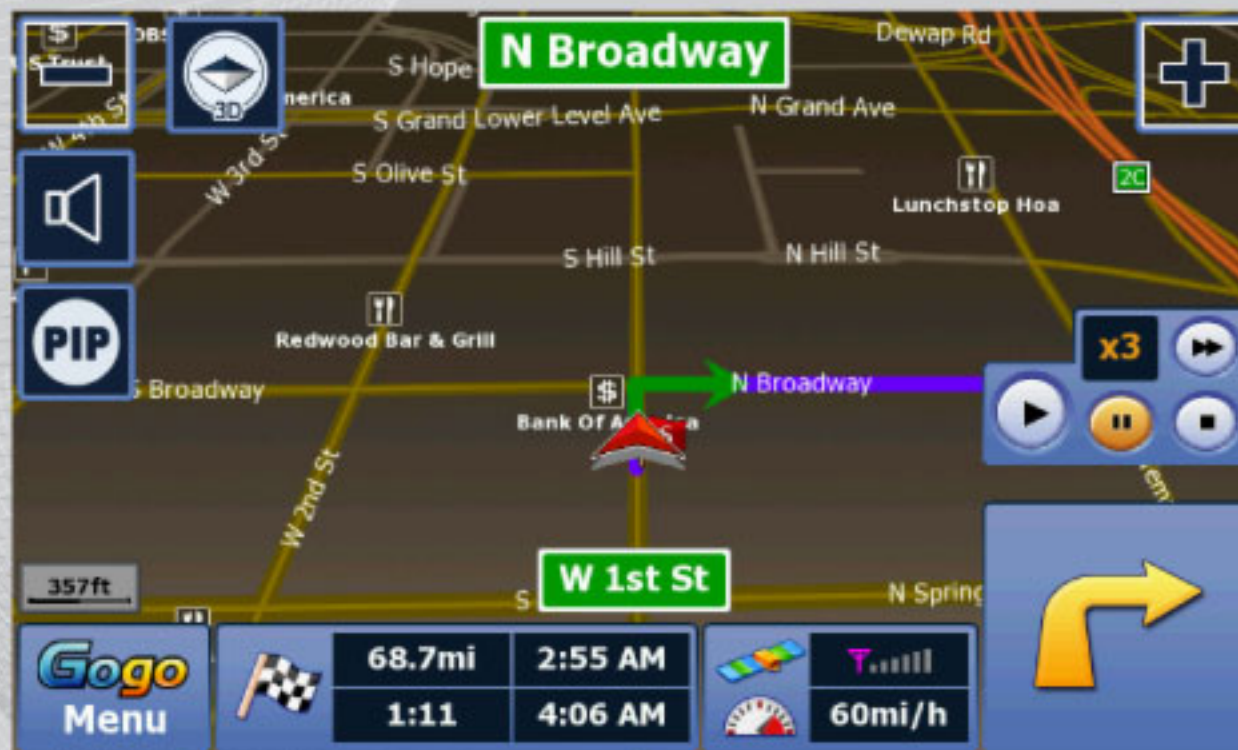


Some POI categories have sub menus; for example, the Food POI category contains a sub menu for various cuisine types.

POI In Category

Searching for POI around the current position.

Since this searching is based on your current position, there is no area selection steps ([State/Prov]-[City]). Other searching steps are the same as POI in City.



To start guidance, you should tap the start button on the [Route Summary] page. The above screen image is the captured image when traveling guidance has begun. (Refer to <Map screen features - Traveling guidance mode> on page 18 for an explanation of map features.)

Lane guidance

Lane Guidance helps you safely prepare for your next maneuver by displaying the correct lane(s) to stay in.

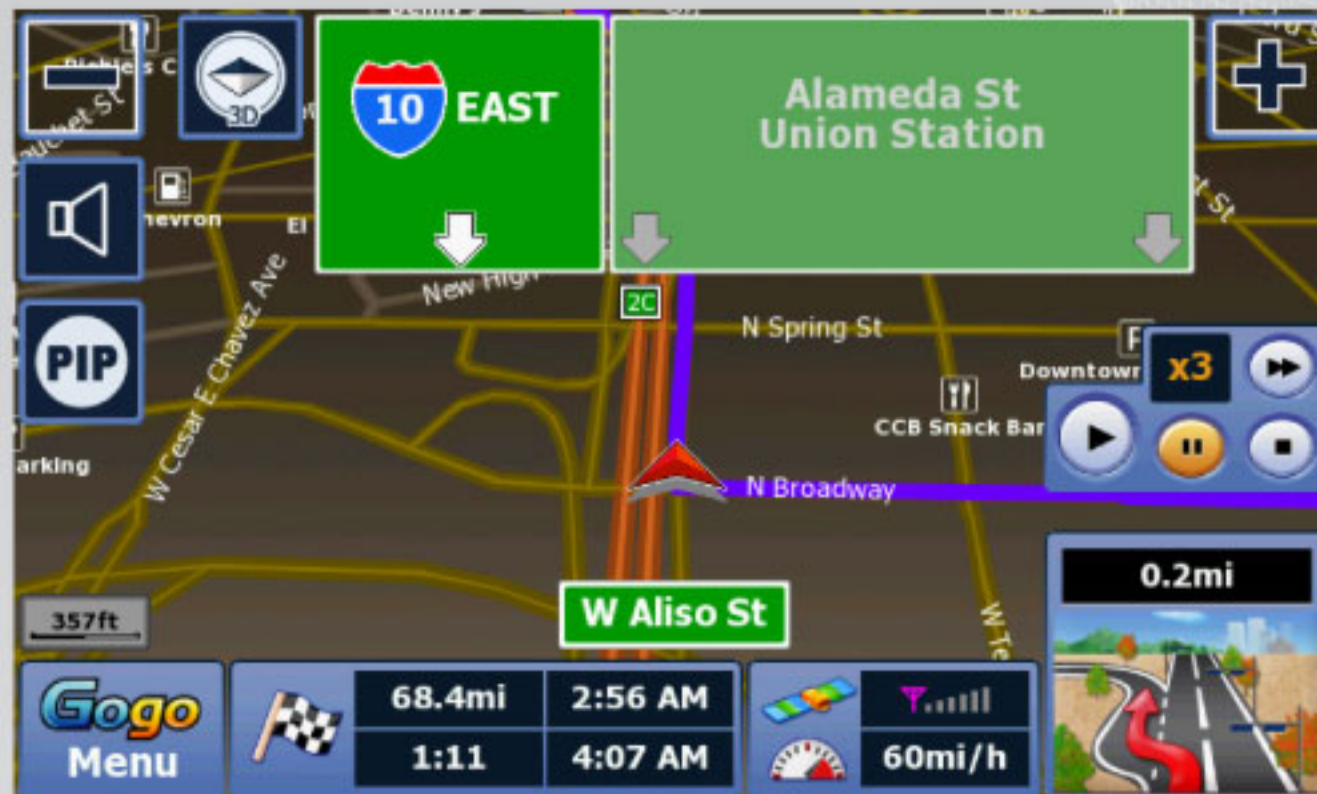


Lane Guidance appears below the Next Street Name box. The highlighted white arrow indicates the correct lane(s) to be in. In the example above, there is one highlighted lane turning left; this is the correct lane to stay in for the upcoming maneuver. The other three grey lanes are either going straight or turning right.

Please be aware that Lane Guidance is available for some, but not all junctions.

Signposts

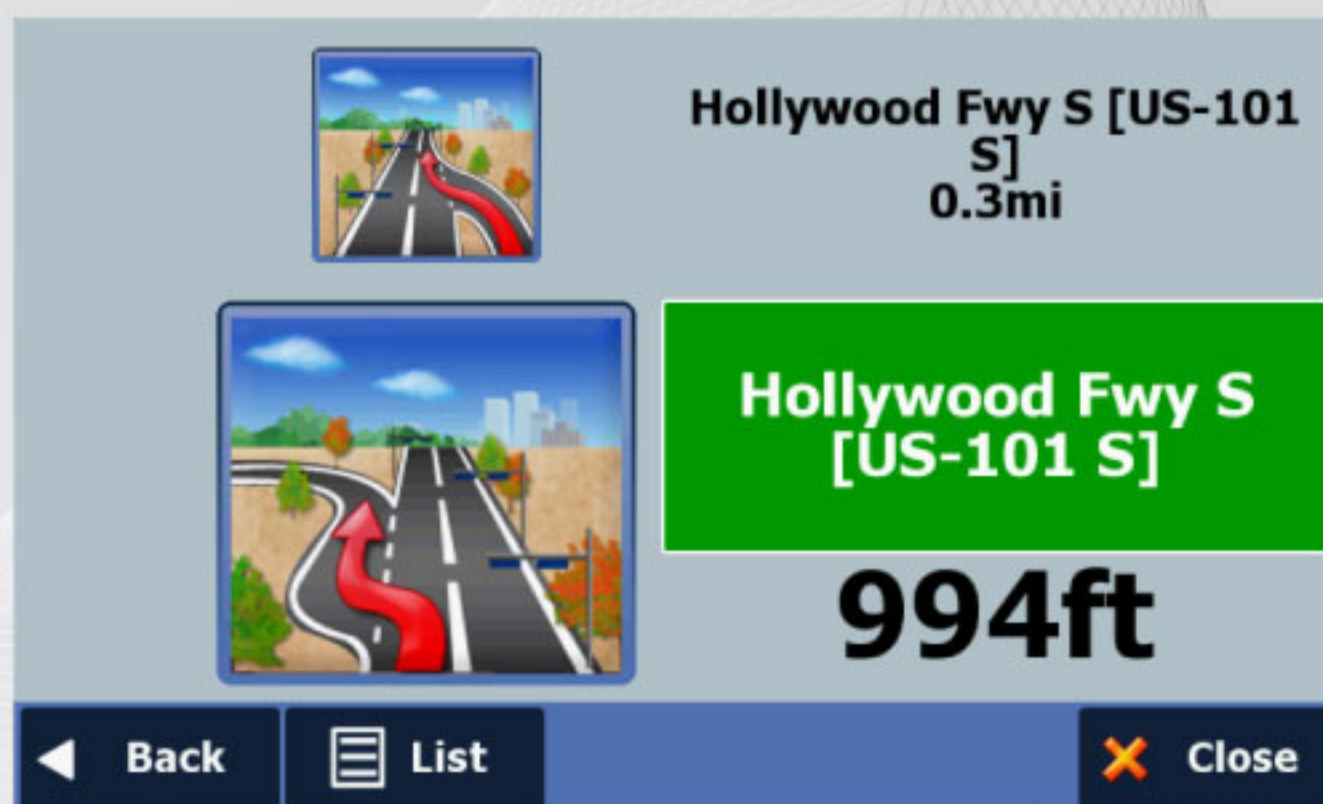
Signposts provide a realistic representation of actual signposts at complex highway junctions. As you approach a highway junction, the signpost displays route shields, route directions, locality, exit, and lane information.




The Signpost replaces the normal Next street name box at some junctions. The highlighted shield with white arrows indicates the correct lane(s) to be in. In the example above, there are two lanes on the right exiting the current highway; these are the correct lanes to stay in for the upcoming maneuver. The other two grey lanes on the greyed-out sign (on left) are continuing straight. Please be aware that Signposts are available for some, but not all highway junctions.

Turn by Turn

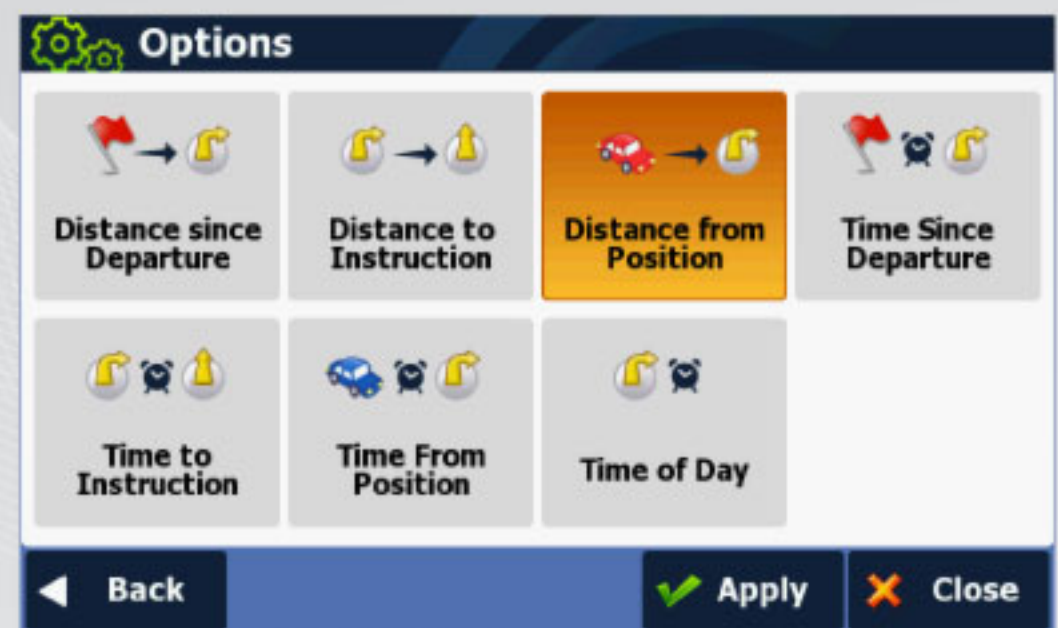
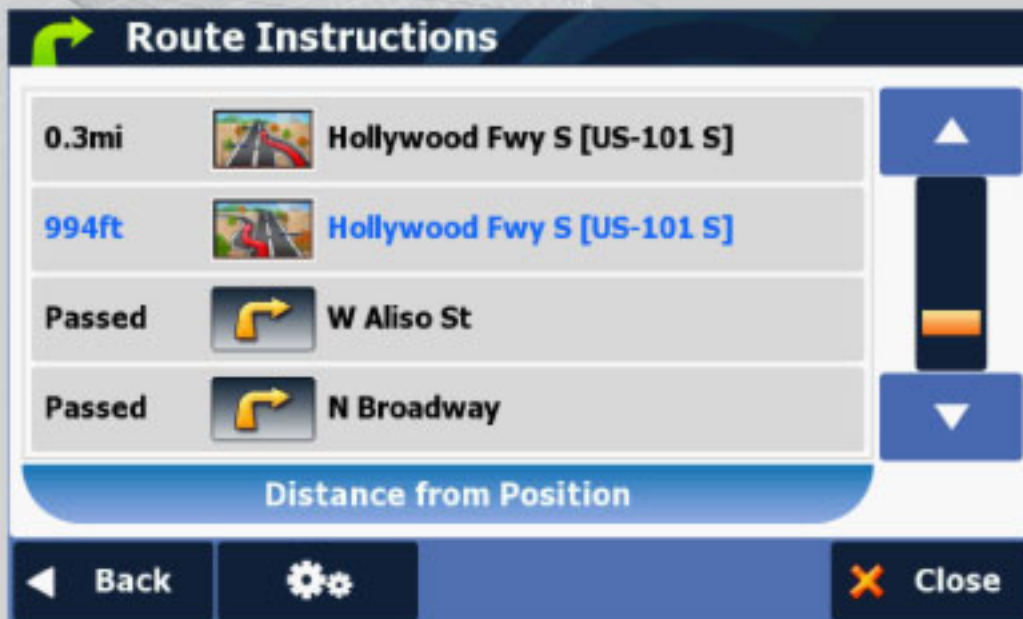
The Turn by Turn Screen offers a more simplified guidance mode. To access this screen, simply tap the bottom-right maneuver picture on the main map screen, or, go to [Menu] > [My Route] > [Turn by Turn].



The Turn By Turn mode presents an enlarged maneuver image and text to indicate the next turn. The distance remaining to the next maneuver is indicated by the distance bar on the right. The second maneuver is displayed at the top of the screen with a smaller image and text.

The Turn List presents a full list of all maneuvers for the journey. This screen may be accessed by pressing the List button  List in the Turn by Turn mode.

The default setting of this options is 'Distance from position'. If you want to change this option, tap 'Options' button at the bottom of screen.



Distance since departure: Shows distance from departure to each turning point.

Distance to instruction: Shows distance from previous turning point to next turning point.

Distance from position: Shows distance from current position to each turning point.

Time since departure: Shows required time from departure to each turning point.

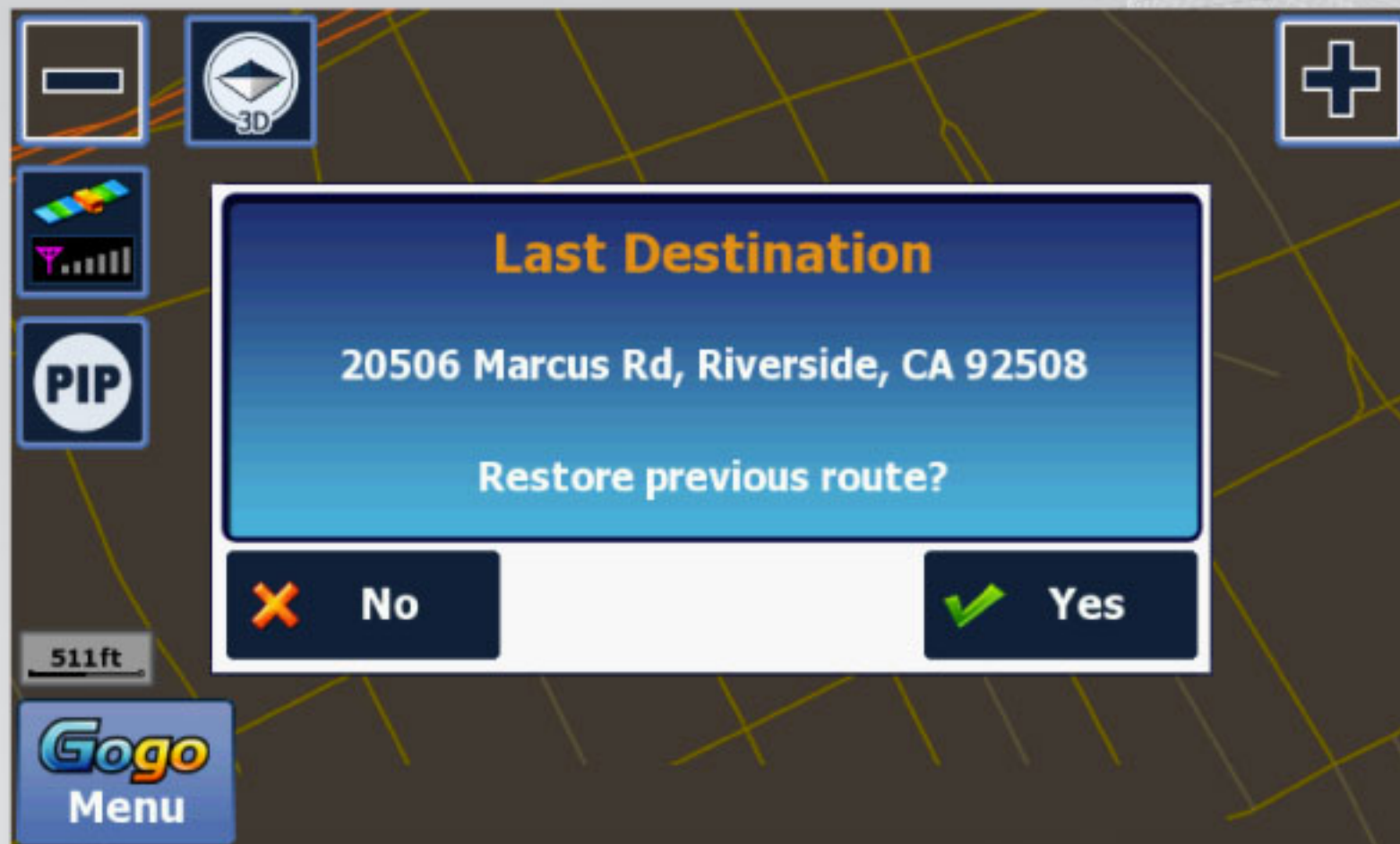
Time to instruction: Shows required time from previous turning point to next turning point.

Time of day: Shows expected time when arrived at each turning point.

Turning off device before journey is complete.

In case of unexpected shutdown during the journey, the navigation system will remind you of the last destination when restarted. If you want to restore your previous route, select 'yes' button. Otherwise select 'No' button.

In addition to this, any VIA point that was unreached in the journey will be remembered. By going to [Menu] > [My Route], you can check via and destination points.

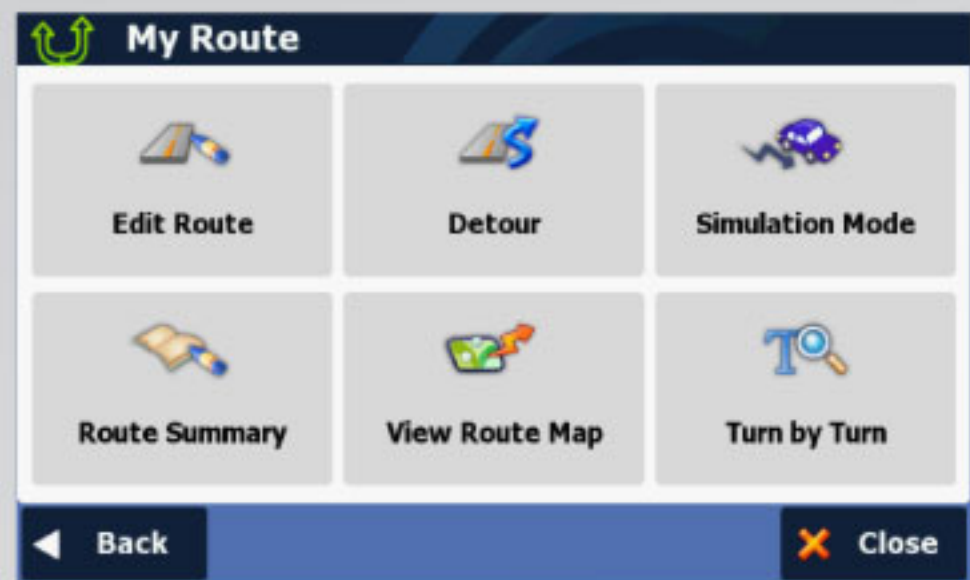
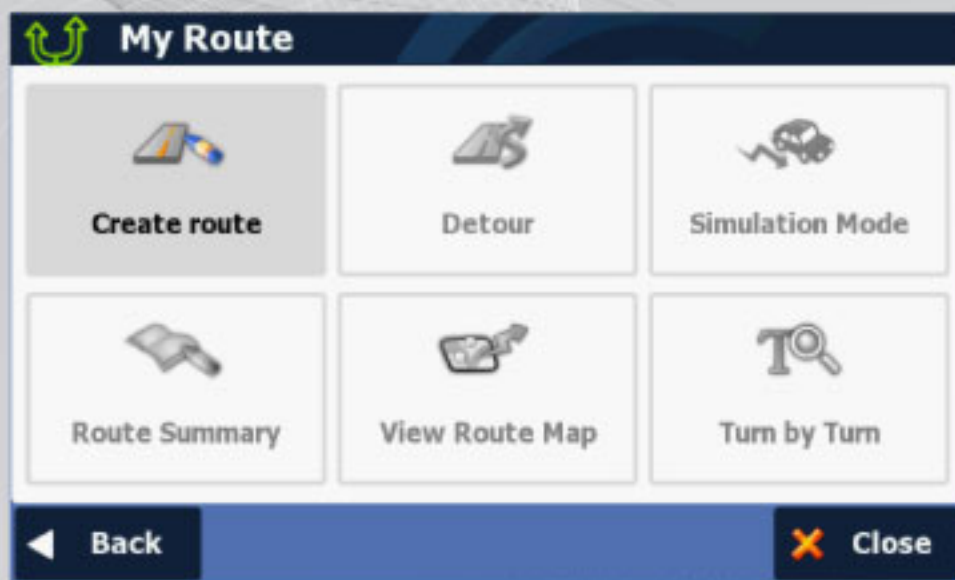




b) Route Options

Manage your route

Routing Options may be used to create a new route or to edit an existing route. Create Route / Edit Route buttons will change depending on the situation.



Create Route / Edit Route

[Create Route] is available if a route has not been set.

[Edit Route] is available if a route has already been set. Use this option to edit your existing route.

Detour

Allows you to avoid part of the route, a roadblock, or to set a travel Via point.

Simulation Mode

Starts a driving simulation of the route.

Route Summary

Go to the route summary page.

View Route Map

Displays a full map of your route.

Turn by Turn

Displays a simplified guidance mode with no map.

Create Route

This function is available if no route has been set.



Add a Location to your route

Press the ADD button to add a location to your route. For short routes, you may add up to 20 Via Points. The number of Via Points may be less for longer routes.

Position the location within the route

The first location you set automatically becomes the destination. You may add another location to this route by pressing the ADD button. Additional locations added become either Departure points, Via Points or Destination points depending on their respective position within the route list. You may rearrange your route simply by selecting the location and choosing to move up, down in the list.

Save Route

Press the save button to save your route. This route may be accessed at a later stage via the Itinerary menu.

Where to > Itinerary

Calculate Route

When finished, press the DONE button to calculate the route.

Edit Route

This function is available if a route already exists.



- **Add a Location to your route**

Press the ADD button to add another location to your route.

- **Position the location within the route**

The first location you set automatically becomes the destination. You may add another location to this route by pressing the ADD button. Additional locations added become either Departure points, Via Points or Destination points depending on their respective position within the route list. You may rearrange your route simply by selecting the location and choosing to move the location up or down in the list.

- **Find POI nearby any location**

Simply select the location and choose 'Find Nearby POI'. After selecting the POI, it will be added to your route.

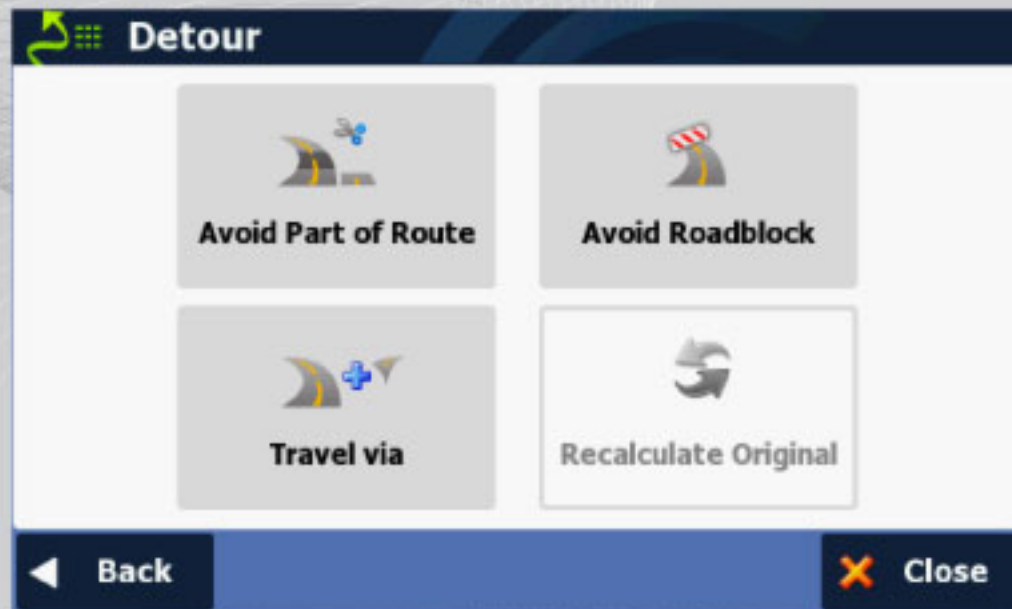
- **Save Route**

Press the save button to save your route. This route may be accessed at a later stage via the Itinerary menu: [Where to] > [Itinerary]

- **Calculate Route**

When finished modifying the route, press the DONE button to calculate.

This function is for editing your route. After editing your route preferences, the navigation system will recalculate a new route automatically.



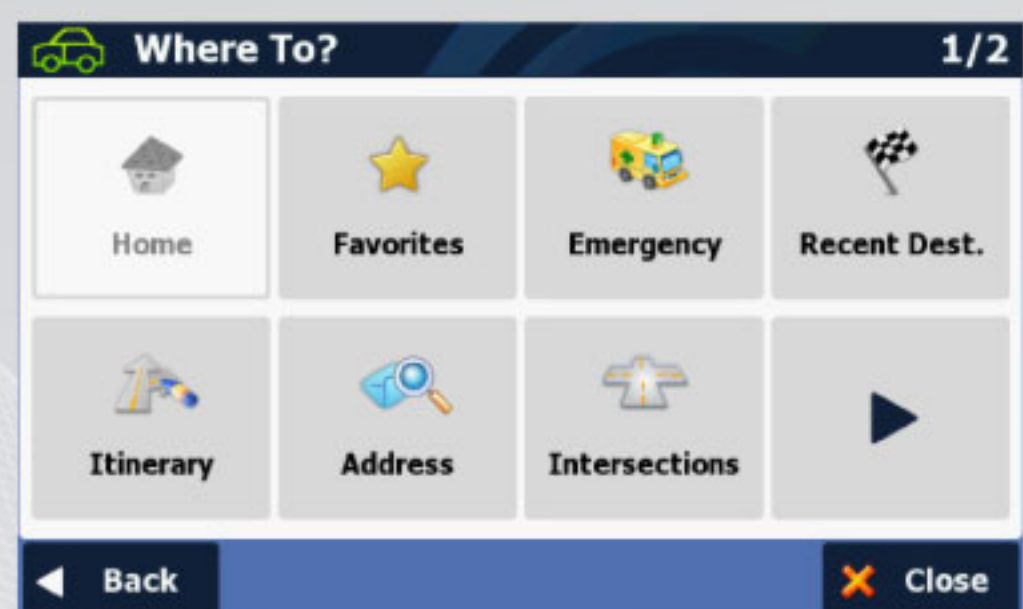
<Detour Menu>



<Avoid Roadblock>



<Avoid Part of Route>



<Travel via>

You can change your route via four functions as follows:

- **Avoid part of route**

Make a detour to avoid some part of existing route.

- **Avoid roadblock**

Make a detour to avoid a roadblock. You can set 100ft, 300ft, 500ft, 1mi, 2mi, or 3mi as a length of roadblock. For example, if you are stuck in traffic because of a construction site or a car accident ahead of you, you can apply the relevant distance to roadblock, and the navigation system will make a detour to avoid that roadblock.

• Travel Via

Add a via point to your route.

This will bring you into the normal [Where to] screen. Choose from any of the available methods to find a location to add to your route.

• Recalculate Original

This button allow you to recalculate the original route by removing any detours or others changes that may have been set.

Route Summary Page

If your decision on [Route Decision] page created a route and [Settings]-[Routing Options]-[Show 'Route Summary' page automatically] option in setting is enabled, the [Route Summary] page will show up. In this page, you can check route information such as total distance, time, etc. It's also possible to reroute via three options as follows.


20506 Marcus Rd, Riverside, CA 92508

Total Distance	68.7mi	<div>Faster Time</div> <div>Shorter Distance</div> <div>Avoidances</div>
Total Time	1 hr, 11 min	
Distance To Go	68.7mi	
Time To Go	1:11	
ETA	3:04 AM	
Fuel Cost	\$ 7.48	

◀ Back
✖ Close

• Faster Time

Reroute considering faster time.

• Shorter Distance

Reroute considering shorter distance.

• Avoidances

Reroute with road avoidance options such as U-Turns, Toll Roads, and others.

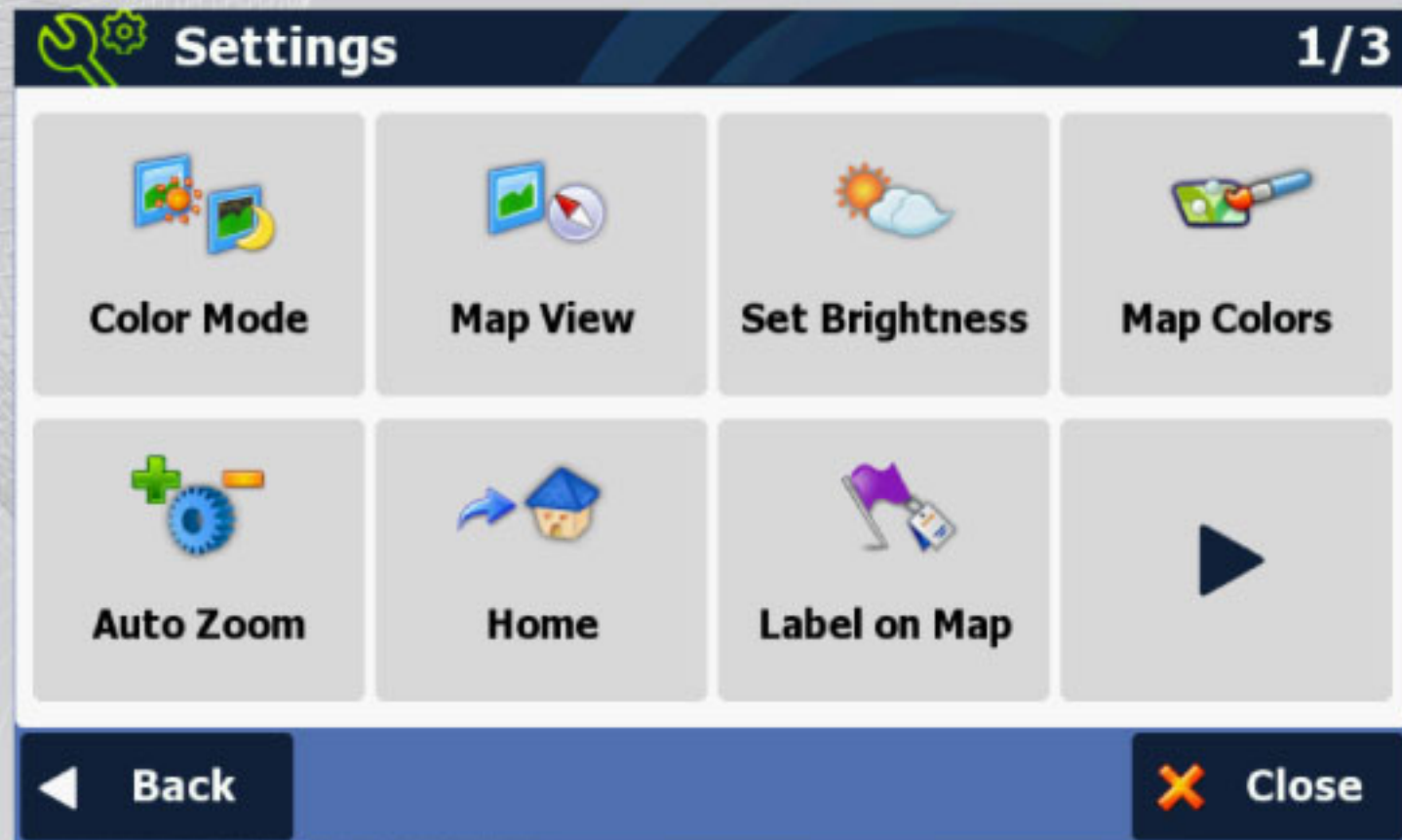
Route Summary Page

03. Main Function

<Fuel cost> represents an estimated cost for your trip. Fuel prices and fuel consumption for your vehicle may be adjusted by going to [Menu] > [Settings] > [Fuel Cost]

04) Settings

In this page, you can customize the settings of the Navigation system.



Descriptions of each option are as follows:

01. **[Color Mode]** You can set the color mode of map as 'Daytime', 'Nighttime', or 'Auto mode'. Auto mode will allow the navigation system to automatically choose day or night mode based on the current system time.

02. **[Map View]** You can change the view mode of map as 'Track up', 'North up', or '3D View' mode.

03. **[Set Brightness]** You can adjust the map brightness of day/night.

04. **[Map Colors]** You can change the map color.

In this page, you can customize the settings of the Navigation system.

05. **[Auto Zoom]** You can set the automatic zooming at intersection or on speed.

04) Settings

06. **[Home]** You can register or change your home location.

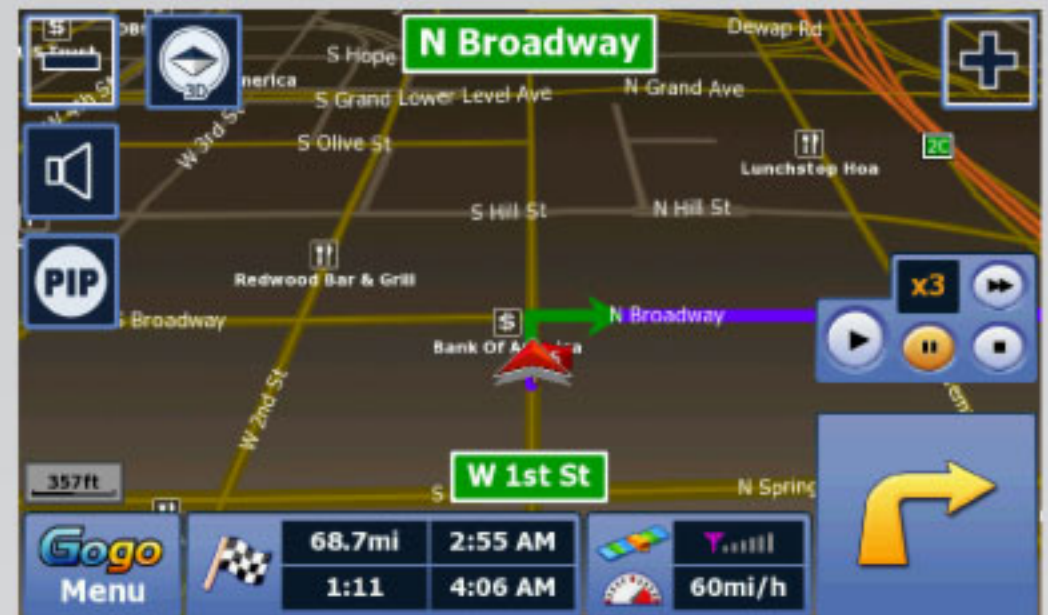
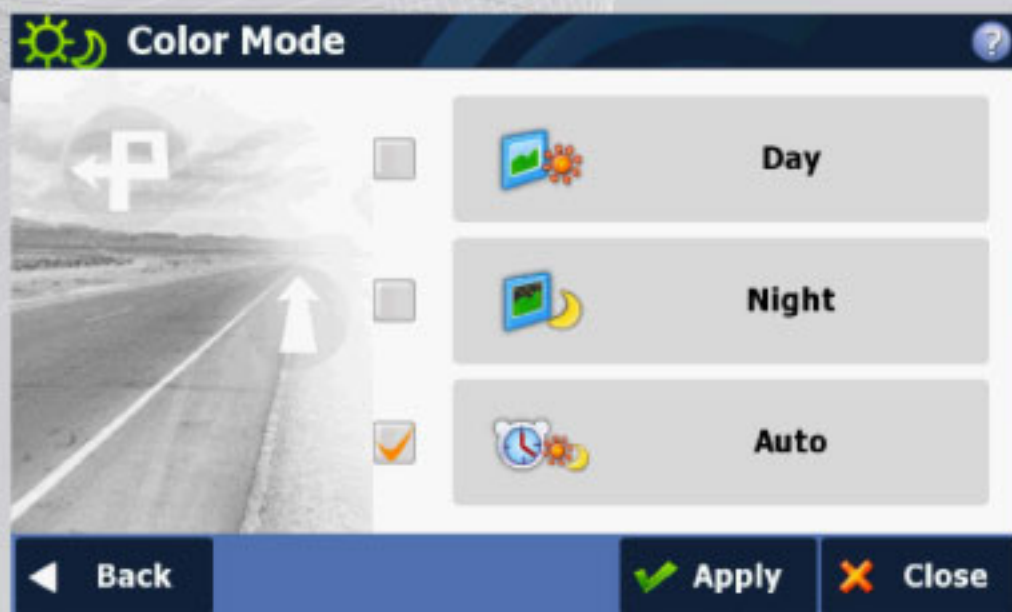


08. **[Label on Map]** You can turn on/off displaying some labels on map.
09. **[Language]** You can change voice or text language of Navigation.
10. **[Routing Options]** Changing routing options.
11. **[Units]** Change distance units (miles or meters)
12. **[Set Clock]** Setting your navigation time and apply some options such as 'Daylight saving' and 'Sync. with GPS time'.
13. **[Time Zone]** Select time zone.
14. **[Speed Limit]** Turn on/off the speed warning. Set a tolerance level for receiving a warning alert; for example, set tolerance level as 2mph to receive a warning when you exceed the speed limit by 2mph.
15. **[Keyboard]** Changing Keyboard Option
16. **[Fuel Cost]** Adjust fuel prices and consumption.
17. **[Click Sound]** Turn on/off the click sound for touch response.
18. **[Log Files]** Displays System Data and allows log recording or GPS information.
19. **[About]** Shows product name and version
20. **[Restore Settings]** Restore all settings to factory defaults



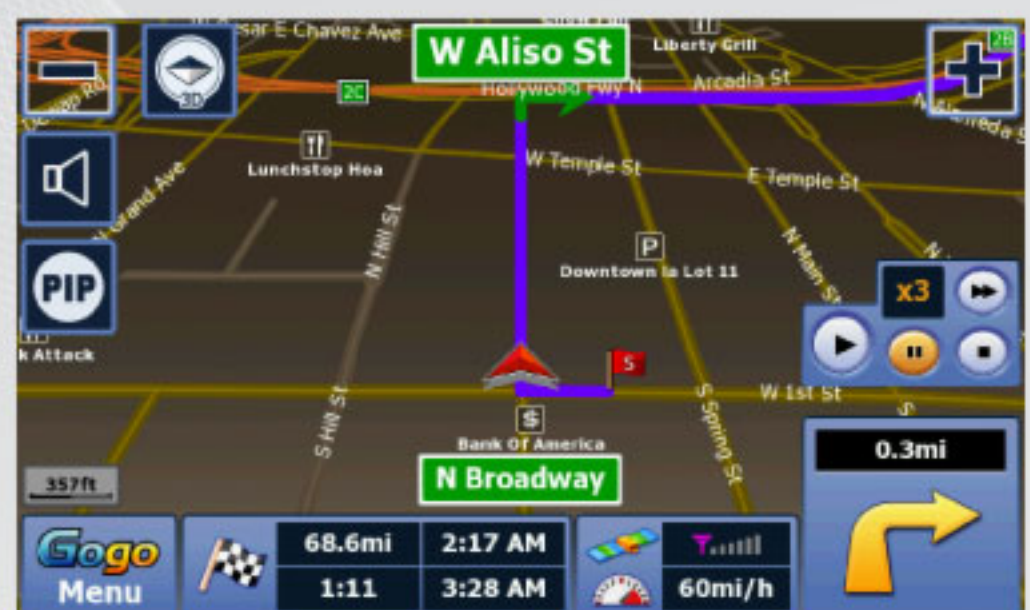
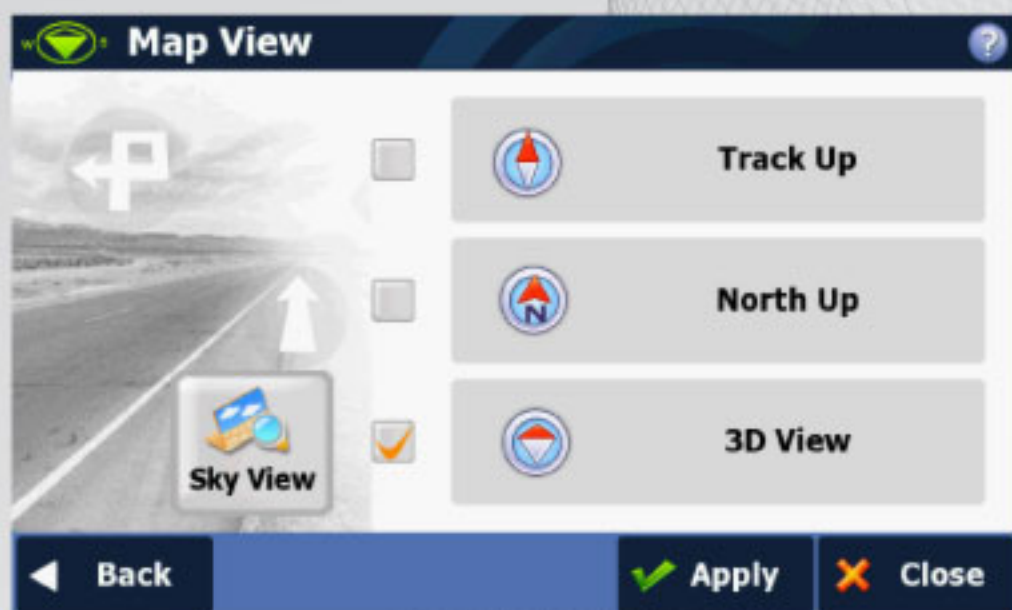
Color Mode

Change the color mode of map as 'Daytime', 'Nighttime', or 'Auto' mode.



- Daytime: Daytime color mode.
- Nighttime: Nighttime color mode. (Refer to the right side image.)
- Auto: Automatically change the map color by time.

Map View

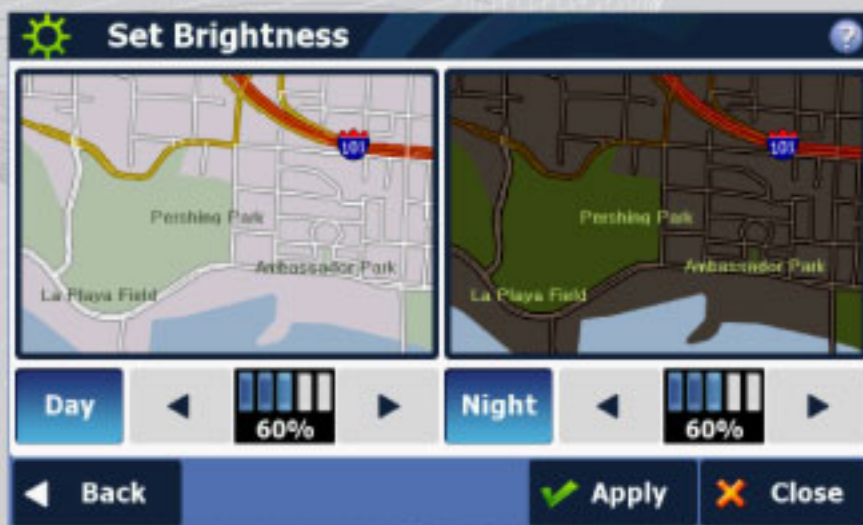


- Track up: The direction of car is always upside of map screen.
- North up: The map screen is fixed to north direction up.
- 3D View: 3-dimensional 'Track up Mode'. (Refer to the right side image.)



Set Brightness

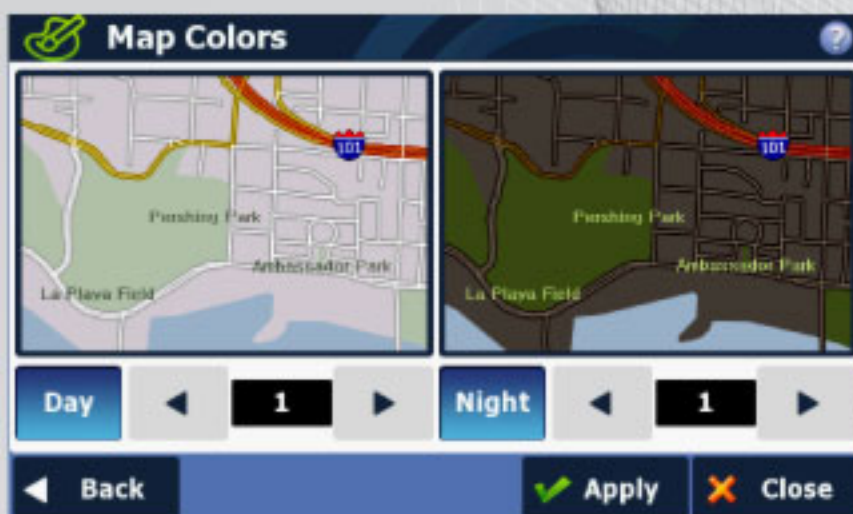
By touching the map images, adjust day or night brightness of map screen according to your preference. Then tap 'Done' button.



- Day: Adjust day brightness of map screen.
- Night: Adjust night brightness of map screen.

Map Colors

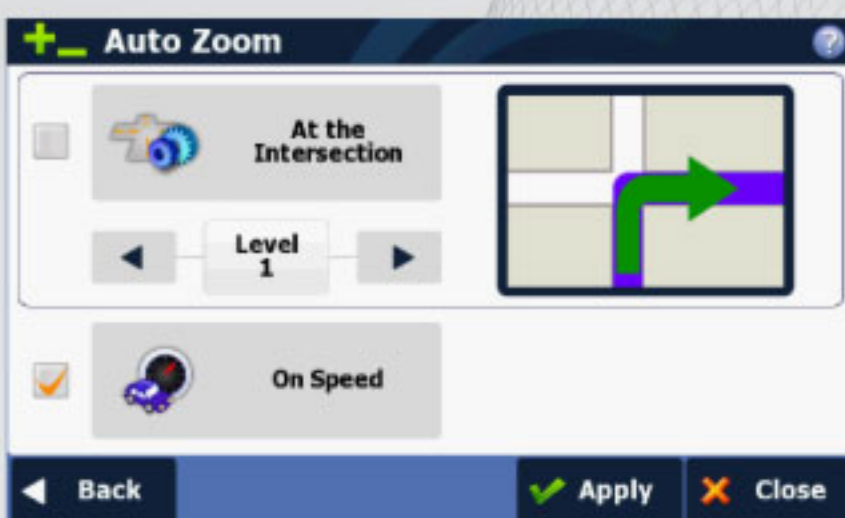
By touching the map images, change day or night color of map screen according to your preference. Then tap 'Done' button.



- Day Color: Select day color of map screen.
- Night Color: Select night color of map screen. A darker map color is used to reduce glare and eye strain while driving.

Auto Zoom

You can turn on/off automatic zooming at the intersection and automatic zooming on speed options.



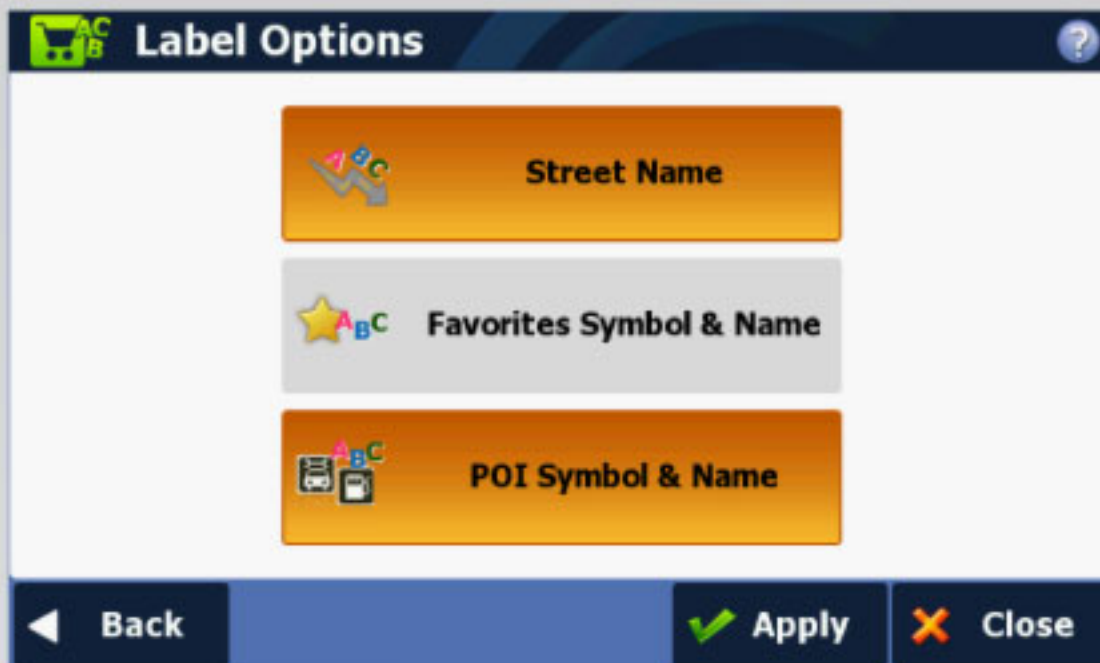
- At the Intersection: Automatically zoom in/out to a certain map scale level at the next maneuver intersection.
- On Speed: Automatically adjust map scale level according to the speed of car. (Speed up->Zoom out, Speed down->Zoom in)

Home

Register or change your home location.

Label on Map

Show/hide some labeling options on the map screen.



Select options that you wish to be displayed on the map screen, then tap the 'Done' button to apply these settings on the map screen.

Street Name

POI Symbol & Name

Pressing this button will allow you to hide or display POIs based on category type. You can choose to only display your favorite POI types, for example Food, Fuel, Lodging etc


Favorites Symbol & Name: symbols and names of registered place as your favorite.



Language

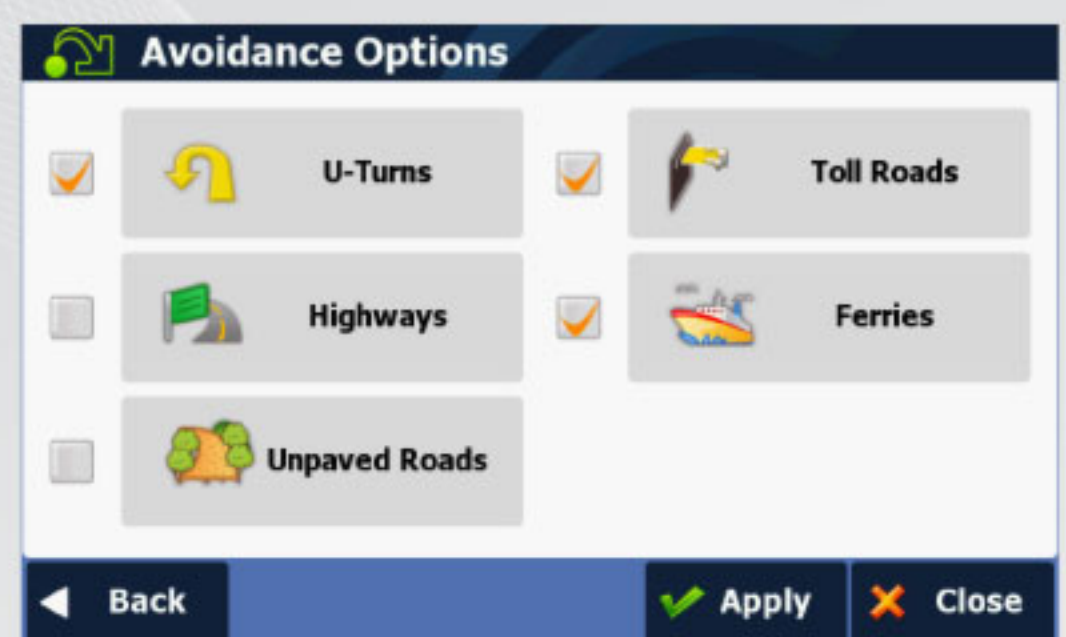
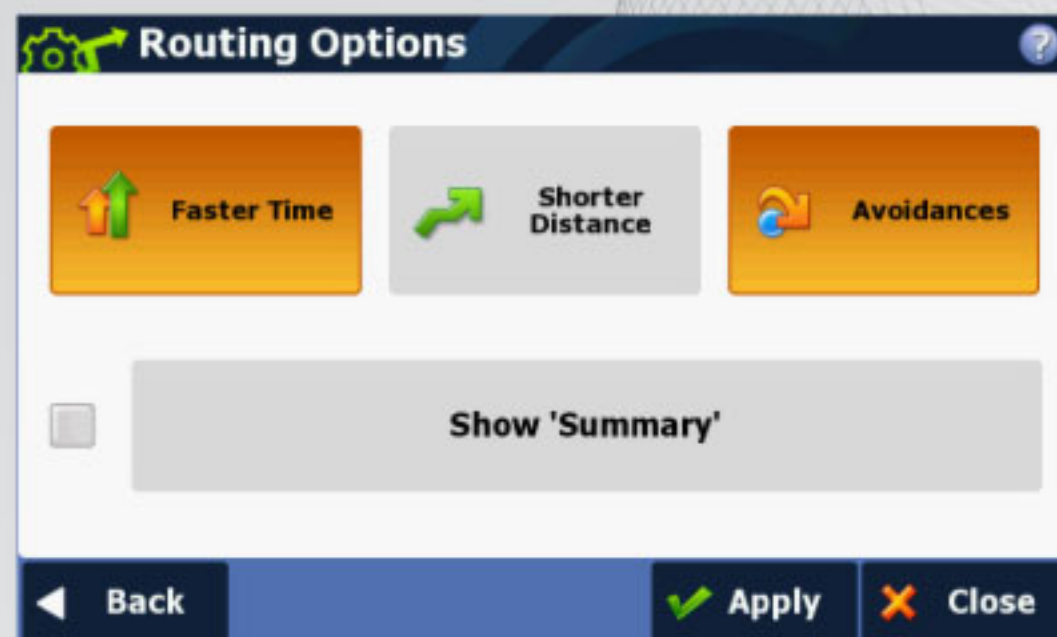
Change voice or text language.



- Voice Language: Gogo offers three voice languages (English, Spanish and French), and each language has a male/female voice. And if you want to hear the sample voice of the selected one, tap . To apply the selected voice language, tap 'Done' button.
- Text Language: Three text languages are also supported.

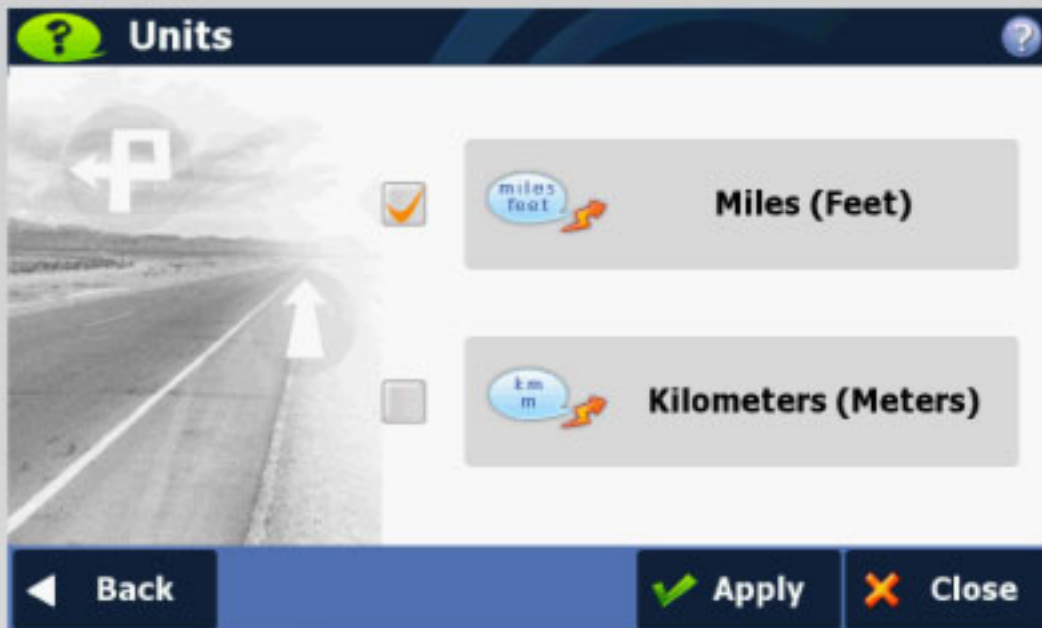
Routing Options

Set routing options.



- To route considering faster time, select 'Faster Time' option. To route considering shorter distance, select 'Shorter Distance' option. To route avoiding with some options, go to 'Avoidance Options' page by selecting 'Avoidances'. Choose avoidance options that you wish to avoid, then tap the 'Done' button.
- Show 'Route Summary' Page automatically: If this option is checked, the 'Route Summary' page will be shown whenever the routing planning is complete. Otherwise, it will start guidance immediately.

Units
Set distance units.

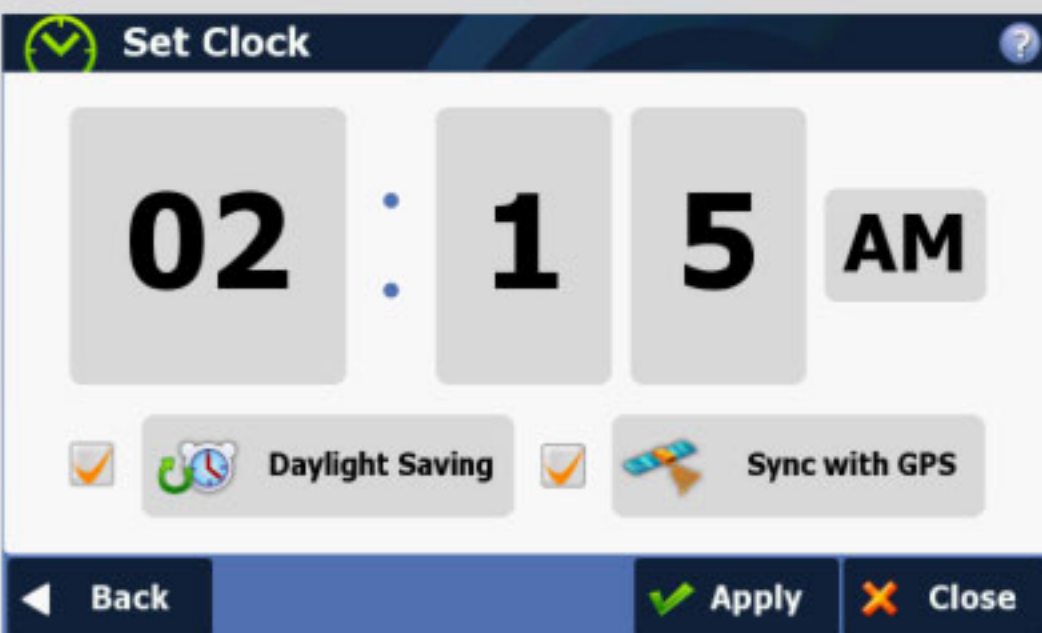


The 'Units' screen features a header with a question mark icon and the title 'Units'. On the left, there is a background image of a road with a white arrow pointing forward. To the right of the image are two radio button options. The first option, 'Miles (Feet)', is selected and includes a 'miles feet' icon. The second option, 'Kilometers (Meters)', is unselected and includes a 'km m' icon. At the bottom, there are three buttons: 'Back' with a left arrow, 'Apply' with a green checkmark, and 'Close' with an orange X.

You can choose one of following two options.

- Miles/Feet
- Kilometers/Meters

Set Clock
Set time manually.



The 'Set Clock' screen has a header with a checkmark icon and the title 'Set Clock'. The main display shows the time '02 : 1 5 AM' in large digits. Below the time display are two checked options: 'Daylight Saving' with a clock icon and 'Sync with GPS' with a satellite icon. The bottom navigation bar contains 'Back', 'Apply', and 'Close' buttons.

- Sync with GPS: Synchronize the time on your device with GPS time.
- Daylight Saving: Apply daylight saving.

Time Zone
Set time zone.



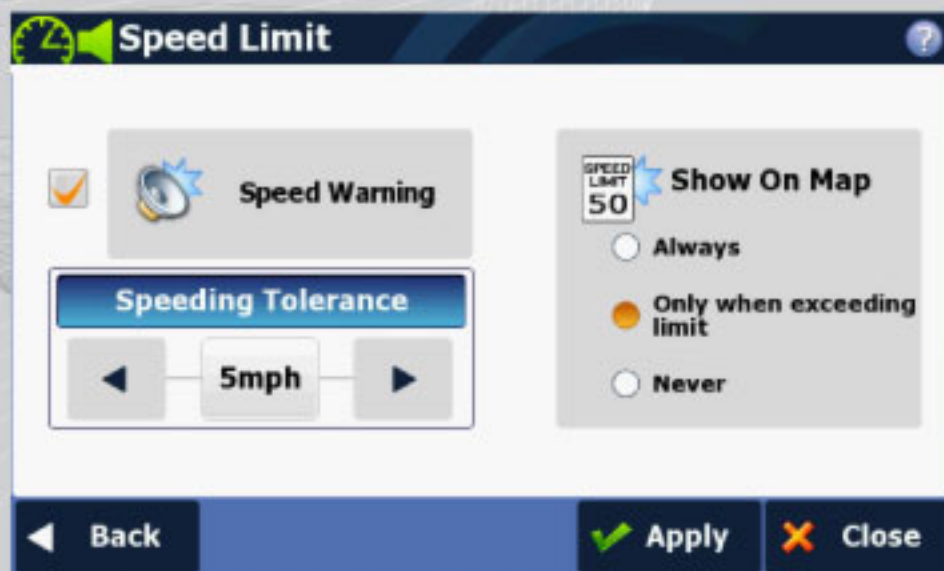
The 'Time Zone' screen features a header with a globe icon and the title 'Time Zone'. It displays a list of time zones: 'US - Eastern', 'US - Hawaii', 'US - Mountain', 'US - Pacific' (which is highlighted in orange), and 'Boise'. To the right of the list is a vertical scrollbar. The bottom navigation bar includes 'Back', 'Apply', and 'Close' buttons.

- Select one of 30 time zones. The default time zone is US-Pacific.



Speed Limit

Control how speed limit sign and warnings are given.



The map data contains speed limit information for some, but not all roads. This information exists generally for highways and other major roads. For your convenience, the speed limit unit; i.e. miles or kilometers, matches the system's unit setting.

Speed warning: An acoustic warning is given when the speed limit is exceeded. Speeding tolerance: The acoustic speed warning may be adjusted by using the

Speeding Tolerance. For example, on a 60mph road, if the Speeding Tolerance is set at 3mph, the driver is alerted if the vehicle exceeds 63mph.

Show on Map: Choose how to display the Speed Limit Sign on the main map:

- Always: Speed Limit Sign will be displayed on map where available
- Only when exceeding limit: Displayed only when exceeding speed limit. This control is independent of the Speeding Tolerance.
- Never: Speed Limit Sign is never displayed on the main map

The Speed Limit Sign displays miles or kilometers according to the system's unit settings. This may be changed by going to [Menu] > [Settings] > [Units].

Fuel

Set current fuel price, and adjust consumption estimates according to vehicle.

Your journey's fuel cost estimate will appear on the 'Route Summary' page. You can access this screen via [Menu] > [My Route] > [Route Summary].



- **Fuel Price** Fuel prices fluctuate throughout the year. This setting allows you to adjust the fuel prices according to current prices. Currency options include Dollar (\$), Euro (€), British Pound, Swiss Franc, and Danish Krone.

Pricing for fuel volumes can be set as either 'per gallon (US)' or 'per liter'.

• Consumption

The consumption section allows you to set your vehicle's fuel consumption. This fuel consumption will then be used in the cost estimate for your trip.

Most modern vehicles include a fuel economy label which describes the vehicle's fuel economy ratings. **Alternatively, to find out your vehicle's fuel consumption, please see the 'Fuel Economy Guide' at www.fueleconomy.gov.** This guide is published by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE). It contains an extensive listing of most vehicle makes and models.

Vehicle consumption is typically expressed as two fuel economy estimates:

- **City:** represents urban driving and driving in stop and-go rush hour traffic. City driving typically consumes more fuel than highway driving.
- **Highway:** represents driving on a mixture of rural and interstate highway driving, typical of longer trips in free-flowing traffic.

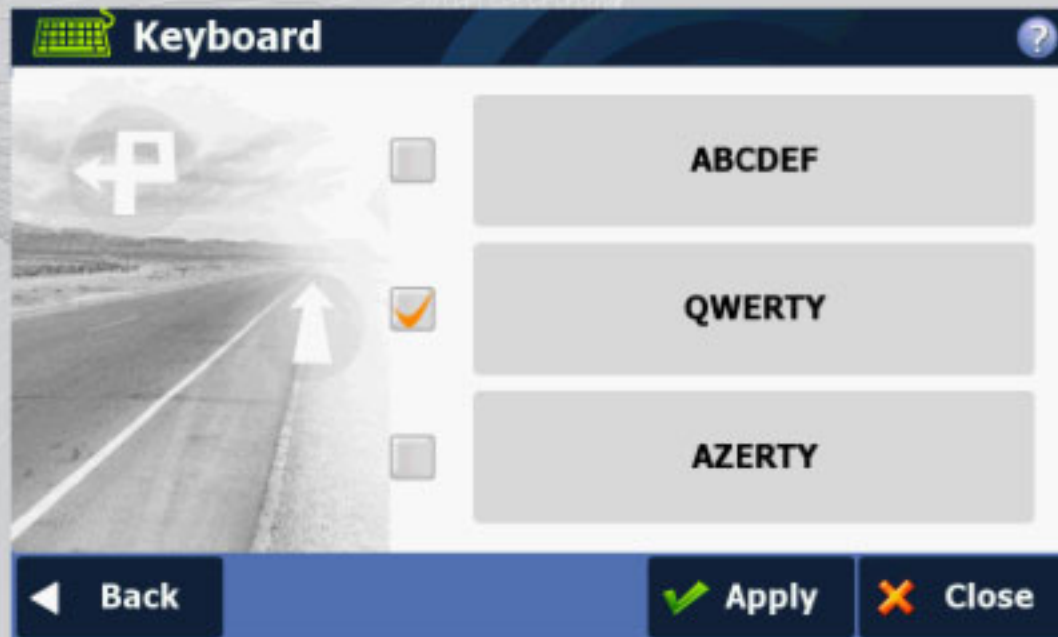
• Note

Please be aware that the actual fuel cost may vary according to other factors which affect the fuel consumption; for example, driver behavior, driving conditions, vehicle maintenance, fuel characteristics, and weather. The cost estimate is an estimate of fuel costs only. Other costs, such as Toll charges are not included in the calculation.



Keyboard

Set keyboard option.



You can select your keyboard layout preference here. This will change the keyboard layout for address and POI searches among others.

- ABCD
- QWERTY
- AZERTY

About

Shows the product name, version, data source and other licensing information.



- Product Key identifies your product. You will need this key when contacting customer service.

Restore Settings

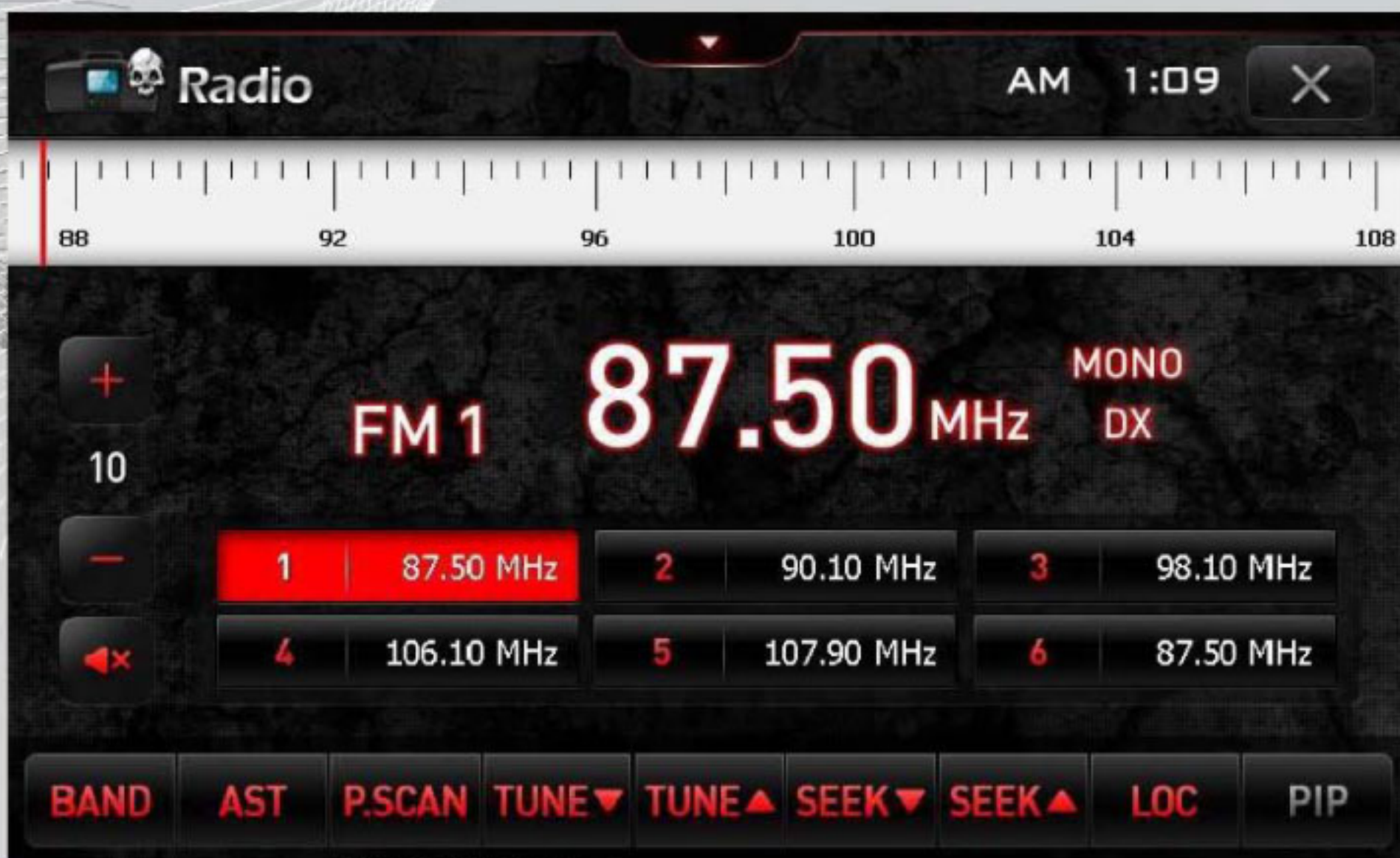
Restore all settings to factory defaults.

Note

Please use caution when choosing this option, as any adjustments you have made to settings, such as map color, will be lost! 'Favorites' and 'Itineraries' that you have created will not be removed.

INGENIX

AM/FM Tuner



BAND: Band button will toggle between FM1, FM2, FM3, AM1, and AM2. Each band will allow the user to store 6 preset radio station for quick access. This is useful for areas where 6 presets are not enough. It is also useful for drivers that drive to different areas and can benefit from setting bands for different cities.

AST: this is an auto tuning option. Pressing this button will scan radio stations and set the current band's 6 presets based on the stations with the strongest signal.

P.SCAN: the P.scan button will scan through your preset stations playing a short amount of content before changing to the next. Pressing the button again will stop the scan on the station currently playing.

Tune up or down: these buttons will tune stations one increment at a time.

Seek up or down: these buttons will seek through stations playing only the stations that tune in clearly.

LOC: this will change tuning types from local to distance. This may help tune the radio station better.

How to set a station to preset.

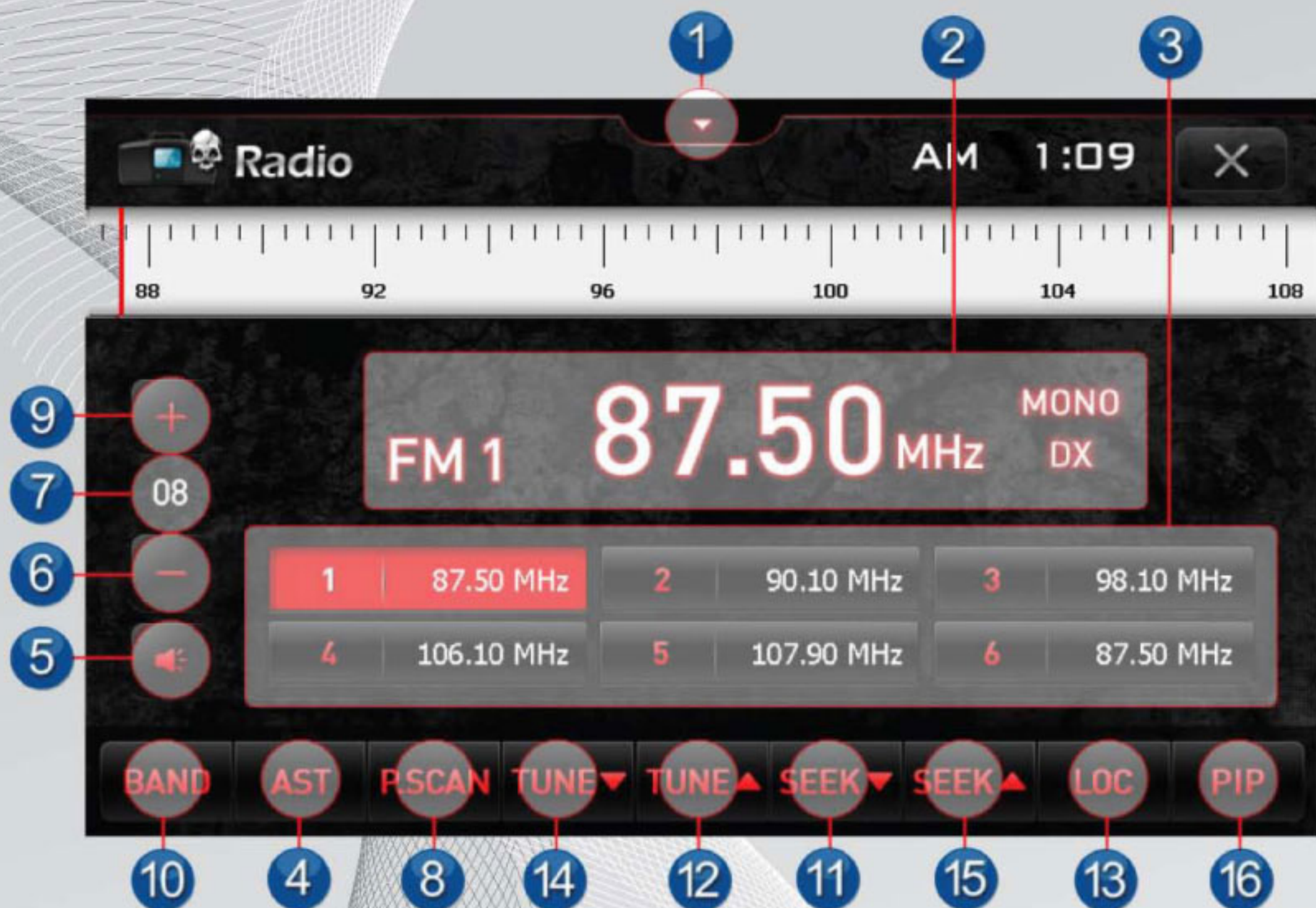
Setting a selected station to a preset is simple. See the steps below.

1. Tune the station you would like with either the seek or tune buttons.
2. Press and hold the preset button where you would like the station stored.
3. Once you see the station listed in the location you are done.

Note: pressing the band on the top section of the screen will quickly tune to a different station.

INGENIX

AM/FM Tuner



1 Pull-down Menu

2 Tuner Display

3 Radio Presets

4 Auto Station Tuner

5 Mute

6 Volume Down

7 Current Volume

8 Program Scan

9 Volume Up

10 Band Selector

11 Seek Down

12 Tune up

13 Local/DX

14 Tune down

15 Seek Up

16 Picture in Picture

Control Interface

- Pressing the Play button will begin playback of media stored on your mobile device
- Pressing the Pause button will pause playback. Press
- Pressing the Next track button will skip the current track and begin the next.
- Pressing the Previous track button will skip back to the beginning of the current track. If the track is fewer than three seconds into the song this button will skip to the previous track.
- Press the Stop button to stop music playback
- Pressing the Mute button will mute the playback
- Press the Mute button again to resume the volume level. Pressing the volume up or down will also resume the volume level.
- Press the Volume button to increase volume and the Volume button to decrease volume
- Volume level will be displayed between the volume up and down buttons.

Note: control of media played on your Smartphone through the internet may be supported.

Note: Some blue-tooth enabled phones may cause noise through the system.

Pull down menu in Blue-tooth Music source

- When the Blue-tooth music source is started Ingenix will determine if Navigation is running.
- If Navigation is running the small Blue-tooth music menu will display in the upper right hand side of the screen.
- This window will allow you to access the controls of your Blue-tooth device without leaving the navigation screen.
- Pressing the down arrow on the menu will enlarge the window and display full control over Blue-tooth music functions.
- The PIP button in the small Blue-tooth menu will run Blue-tooth music in full screen.
- While in the Blue-tooth music screen the Navi PIP button will switch between the Blue-tooth music and navigation sources.
- Pressing the PIP button on the lower section of the Blue-tooth music source will switch to Navigation and display the small Blue-tooth music menu in the upper right hand side.
- All other pull down buttons have standard function as listed on page 14.

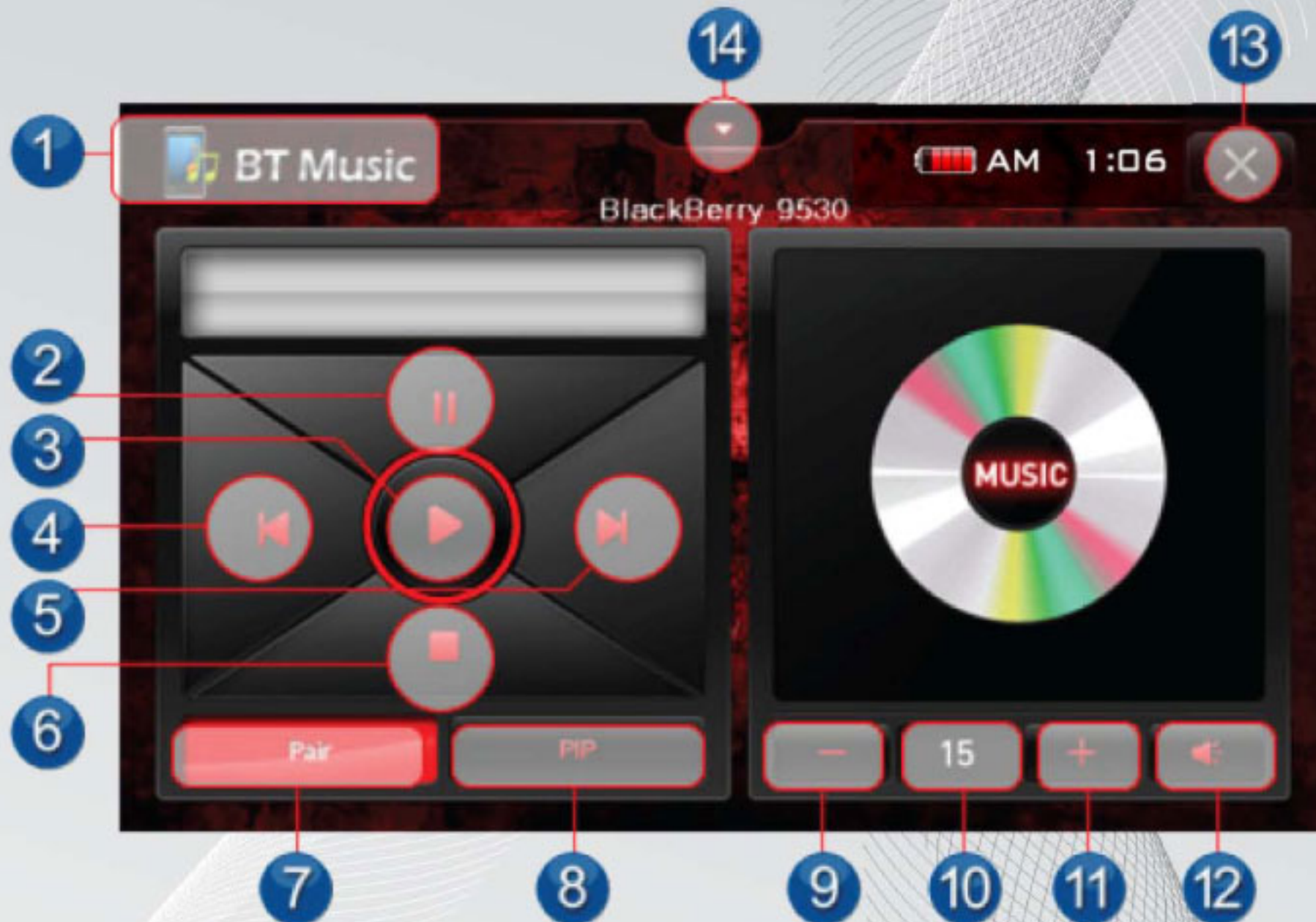
- 1 Source title
- 2 Pause button
- 3 Play button
- 4 previous track button
- 5 Next track button
- 6 Stop button
- 7 Pair button
- 8 PIP (picture in picture) button
- 9 Volume down button
- 10 Volume display
- 11 Volume up button
- 12 Mute button
- 13 Close source button
- 14 Phone battery level display



Blue-tooth Music

Allows playback of media from a Blue-tooth device

BLUE-TOOTH is a wireless technology allowing communication between a mobile device or personal computer over short distances. You can listen to audio files stored in Blue-tooth audio player or mobile device.





Searching your phonebook through Ingenix

Note: Some blue tooth enabled phones may not support the phonebook feature.



- The first time the Phonebook button is pressed Ingenix will gather contact information from your phone.
- Some mobile devices may require you transfer contact data manually. This is sometimes called "force" or "push". Consult your mobile device's operation manual for more information.
- Searching through contacts on your Ingenix source unit is simple.
- Press the up or down arrow to search one contact at a time.
- You can also press the slider between the buttons to move through your contacts more quickly.

Deleting a contact

Deleting a contact will delete the contact from the Ingenix Phonebook. It will not delete the contact from your phone. Place a check mark next to the selected contact/contacts to be deleted and press the delete button.

Note: Some blue-tooth enabled phones may cause noise through the system.

Pull down menu in Blue-tooth Phone source

- While operating in the Blue-tooth phone source the Navi PIP button will switch to full screen Navigation when selected. Note: the Navi PIP button will not switch back to Blue-tooth Phone when pressed from the Navigation source.
- All other pull down buttons have standard function as listed in the page 14.

- The second option is on screen dialing. Use the keypad on the Ingenix touch screen to dial the desired phone number. Press the green send button to begin the call.

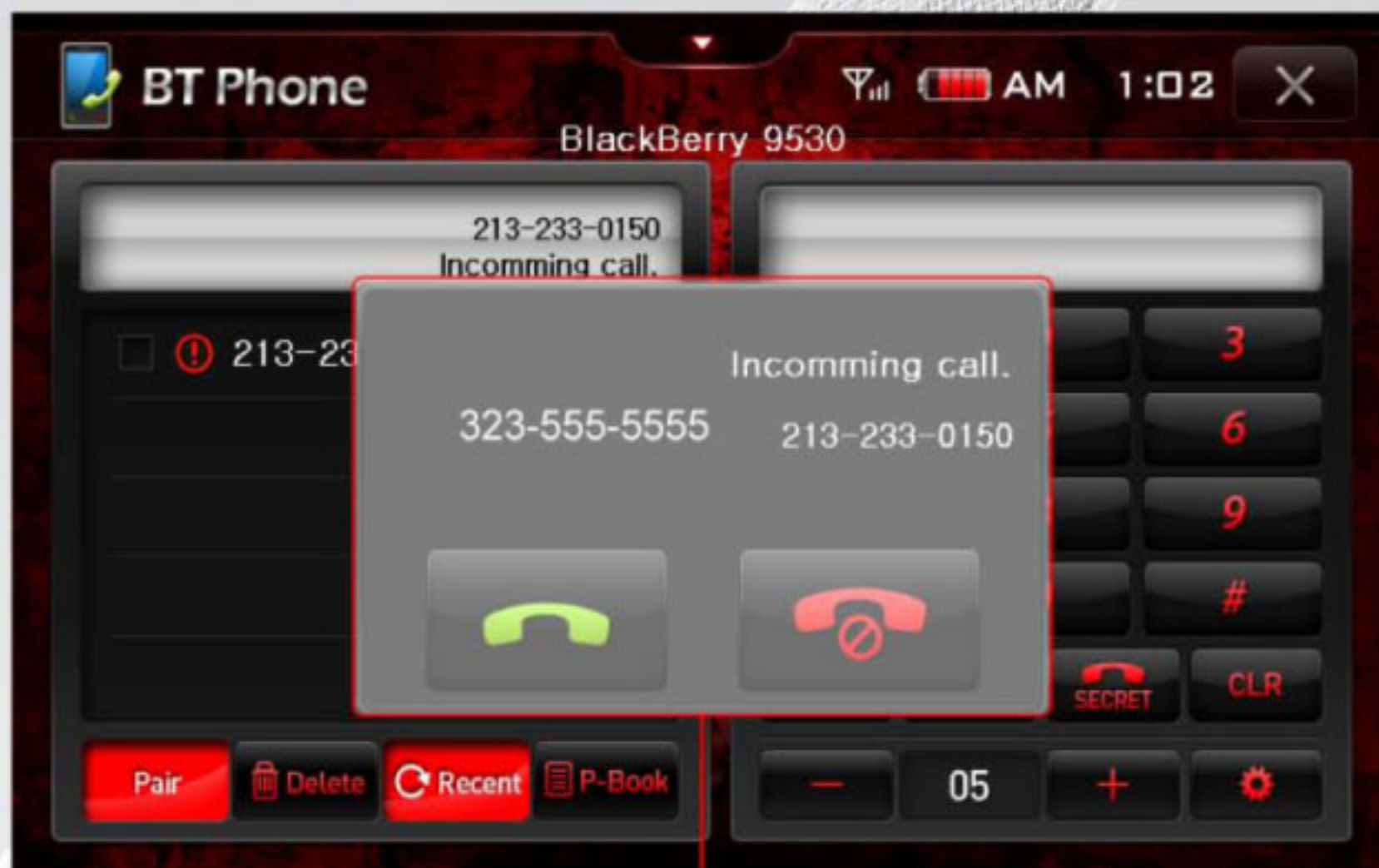


- The third option is through phone book. Press the Phonebook button on the display. This will access the phonebook stored on your phone and allow direct calling of contacts listed.

Incoming calls

Incoming calls will display a caller ID tag in the center of the screen whenever a call is received. The user must select to either accept or decline the call before Ingenix will accept any other input.

Caller ID tag pictured below.



1

1 Caller ID tag



Blue-tooth

BLUE-TOOTH is a wireless technology allowing communication between a mobile device or personal computer over short distances. This enables a hands-free call between BLUE-TOOTH compatible devices.

How to connect to a BLUE-TOOTH compatible device (Pairing)

Pairing sequence: Pair -> New device -> Product Name PIN code "XXXX"

- Enter Blue-tooth mode
- Press "Pair" to begin pairing.
- Select "New Device"
- Product Blue-tooth name and PIN code will be displayed on the upper left side of the display screen. Note: The system will remain "visible" to searching phones for 90 seconds.
- Select search for device from you mobile phones Blue-tooth options. Note: wording and process may differ from one phone to another. See the owner's manual for your particular phone for more information on searching for Blue-tooth devices.
- Follow instructions listed on your mobile device and enter the displayed PIN when prompted.
- You may need to set your phone to automatically connect to your Ingenix source unit for ease of use. This will allow your mobile device to auto connect each time the source unit is powered up providing the phone is within range. The phone will also auto disconnect each time the source unit is powered down. Note this may also be considered "adding as a trusted device" please consult your mobile device owner's manual for more information.

Note: PIN Code cannot be changed.

Using Blue-tooth Phone Functions

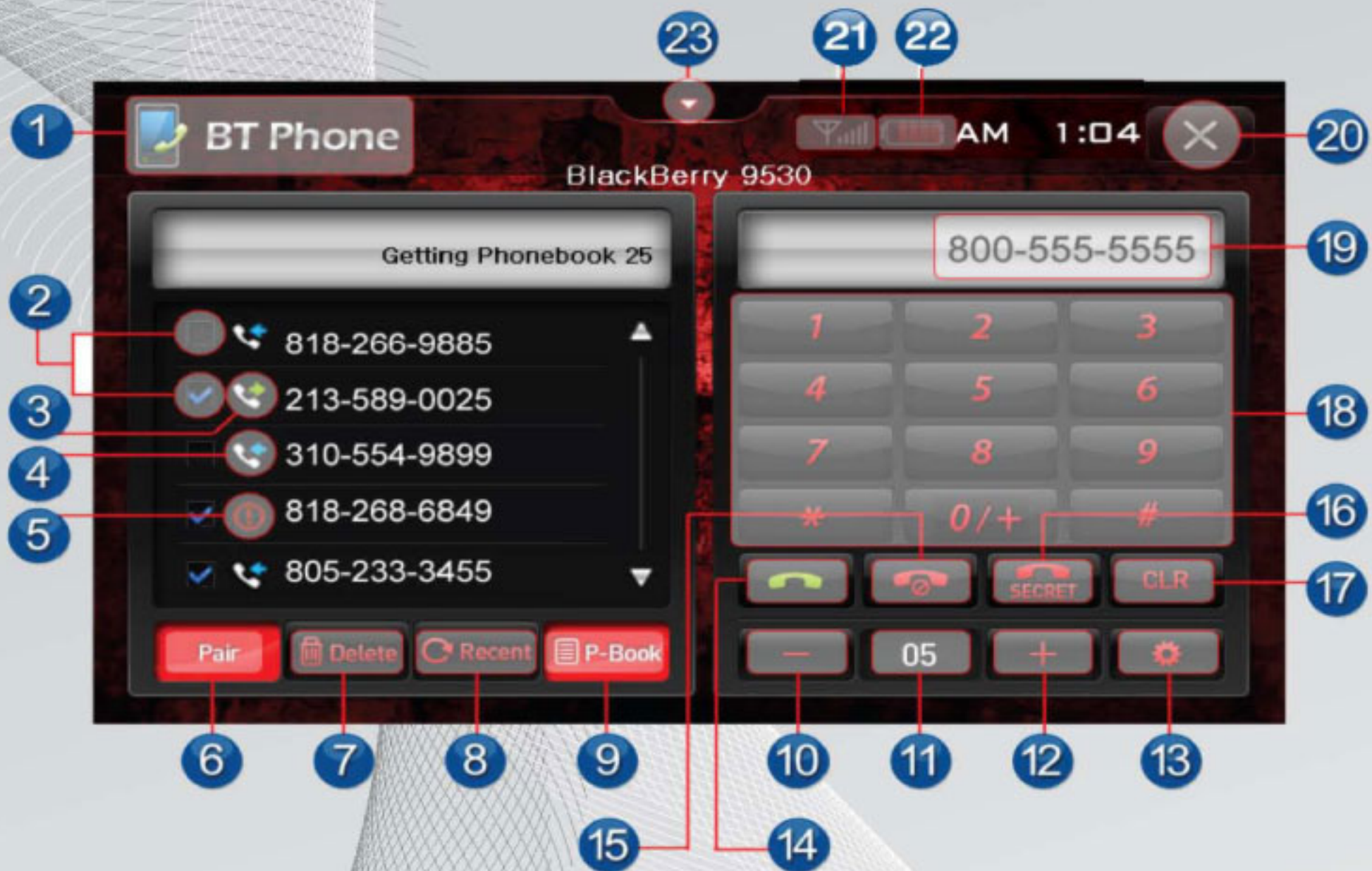
Making a call

Calls can be made through the various methods listed below.

- The first option is simply call from your phone as you normally would. All sound will be heard through your source unit. Calls can be ended or started through either the phone or the onscreen display.



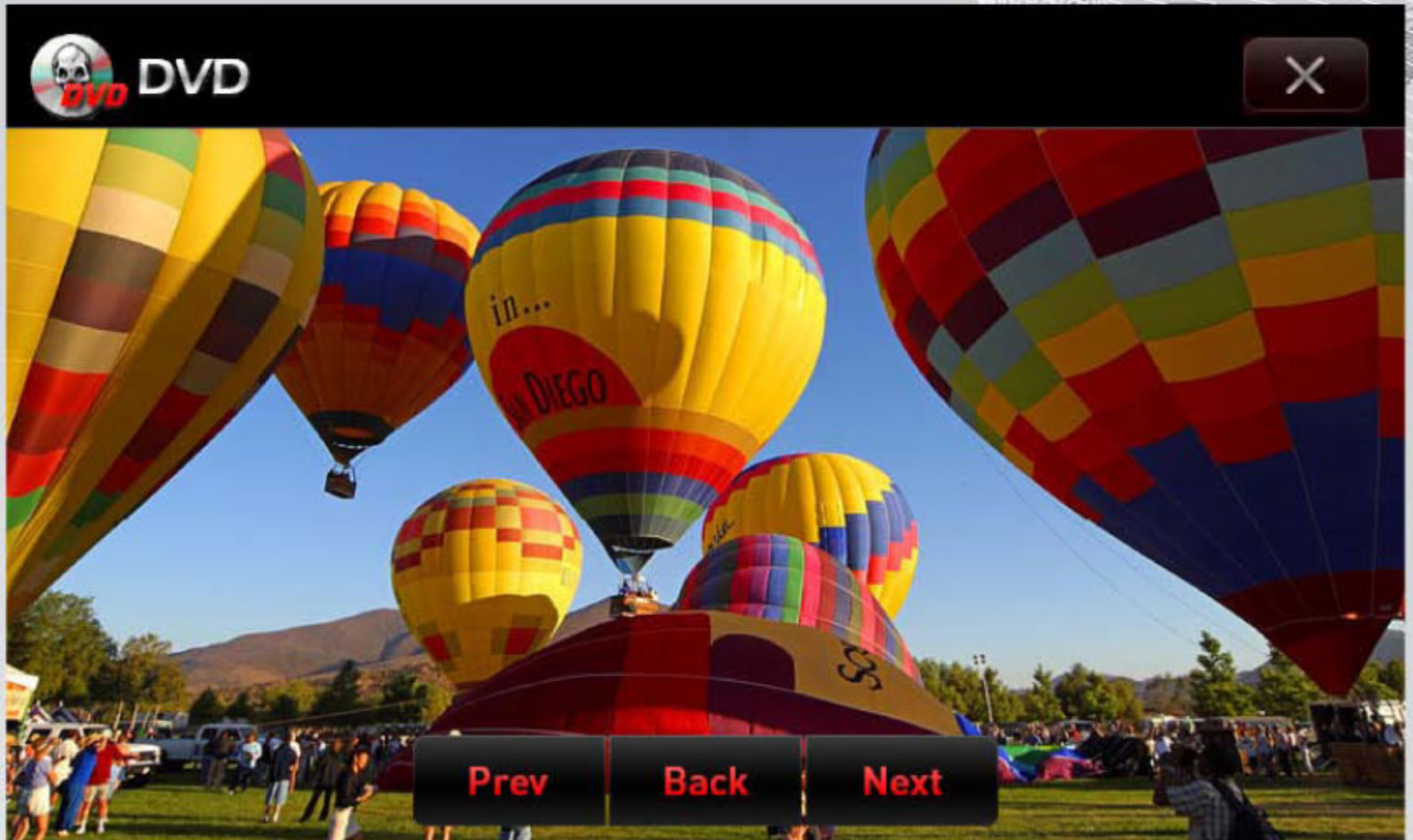
Blue-tooth Phone
Allows for hands free calling



- | | | |
|---------------------------|-------------------------------------|------------------------------------|
| 1 Source display | 9 Phonebook button | 17 Clear button |
| 2 Selection box | 10 Volume down button | 18 Number keypad |
| 3 Outgoing call indicator | 11 Volume value display/mute button | 19 Phone number display |
| 4 Incoming call indicator | 12 Volume up button | 20 Close source button |
| 5 Missed call indicator | 13 Blue-tooth phone settings button | 21 Phone signal strength indicator |
| 6 Pair phone button | 14 Send/Answer button | 22 Phone battery indicator |
| 7 Delete button | 15 End/Ignore button | 23 Pull down menu button |
| 8 Recent calls button | 16 Private call button | |

INGENIX

Pressing the video screen will engage full screen. Pressing the screen while in full screen mode will open four options. The "X" will stop Disc playback and return to the home screen. The "Prev" and "Next" buttons will skip ahead or backward through Tracks/Chapters. The back button will return the full Disc toolbar.



- When the DVD source is selected the main menu will display.
- The "Up", "Down", "Left", and "Right" buttons will allow the user to navigate the DVD's menu
- The "Select" button will select the currently highlighted option of the DVD menu.
- The "DVD Menu" button will recall the DVD's menu at any time.
- Pressing the "+" button will increase volume
- Pressing the "-" button will decrease volume
- Volume level is displayed between the volume controls .
- Pressing the mute number will mute audio
- Pressing the mute button again will resume audio
- Pressing play/pause button will pause the video playback.
- Pressing the play/pause button again will resume playback.
- Pressing the stop button will stop playback
- Pressing the skip ahead button will skip the current chapter and begin the next.
- Pressing the skip back button will return to the beginning of the current chapter.
- Pressing the skip back button two times will return the beginning of the previous chapter. Note: if playback is less than 3 seconds into the chapter pressing skip back will start the previous chapter.
- Pressing the fast forward button will increase play speed. The rate will increase each time the button is pressed. Fast forward speeds are X2,X4,X8,X20. If pressed again once playing at X20 speed normal play will be resumed. To resume normal play speed from at any time press the play button.
- Pressing the rewind button will reverse play speed. The rate will increase each time the button is pressed. Reverse speeds are X2,X4,X8,X20. If pressed again once rewinding at X20 speed normal play will be resumed. To resume normal play speed from at any time press the play button.
- Pressing the picture in picture button will access the GPS navigation.
If GPS navigation is currently running the DVD playback will appear in the upper right side of the screen while GPS information will be displayed in the remainder of the screen.
- If GPS navigation is not currently running pressing the picture in picture button will start the GPS .
For PIP controls see "Picture in Picture Controls " on page ??
- Pressing the Dual Zone button will continue DVD player for rear monitor viewing while another source is selected on the main unit. Audio will also continue through the connections labeled "dual out".

● Video slice operation

Video slice allows the user to view a selected portion of a video file. To select the portion desired press the "A-B" button at the start of video portion desired during playback. To complete the selection press the "A-B" button at the end of the desired video portion during playback. Once completed the video will play only the sliced portion. Press "A-B" once more for normal playback.

Note: This feature can also be used with music.

Pressing the Random button will turn on/off the random track playback feature. This feature works for both CD and DVD music or video playback.

- Pressing the repeat button will bring up the repeat option menu. Pressing the select button in this menu shifts through the available options. Once the desired option is selected press the return button on the bottom left to return to the standard toolbar.



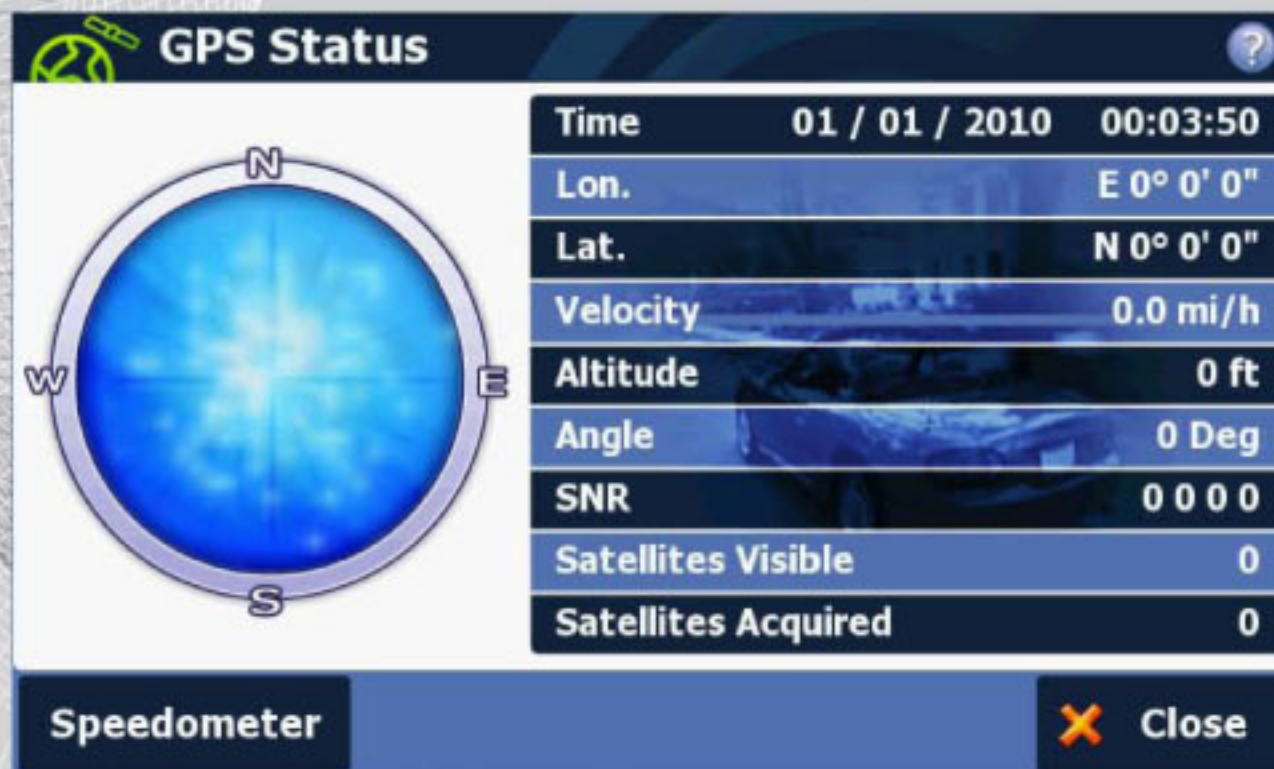
Built in DVD/CD player



- | | |
|-------------------------|------------------------------------|
| 1 Volume down button | 10 PIP button (Picture in Picture) |
| 2 Volume level display | 11 Dual zone button |
| 3 Volume up button | 12 Video slice button |
| 4 Previous Track button | 13 Random button |
| 5 Rewind button | 14 Repeat button |
| 6 Pause/play button | 15 DVD Menu button |
| 7 Fast forward button | 16 Select button |
| 8 Next track button | 17 Mute button |
| 9 Stop button | |

05) GPS

You can check GPS status and GPS information on this page.

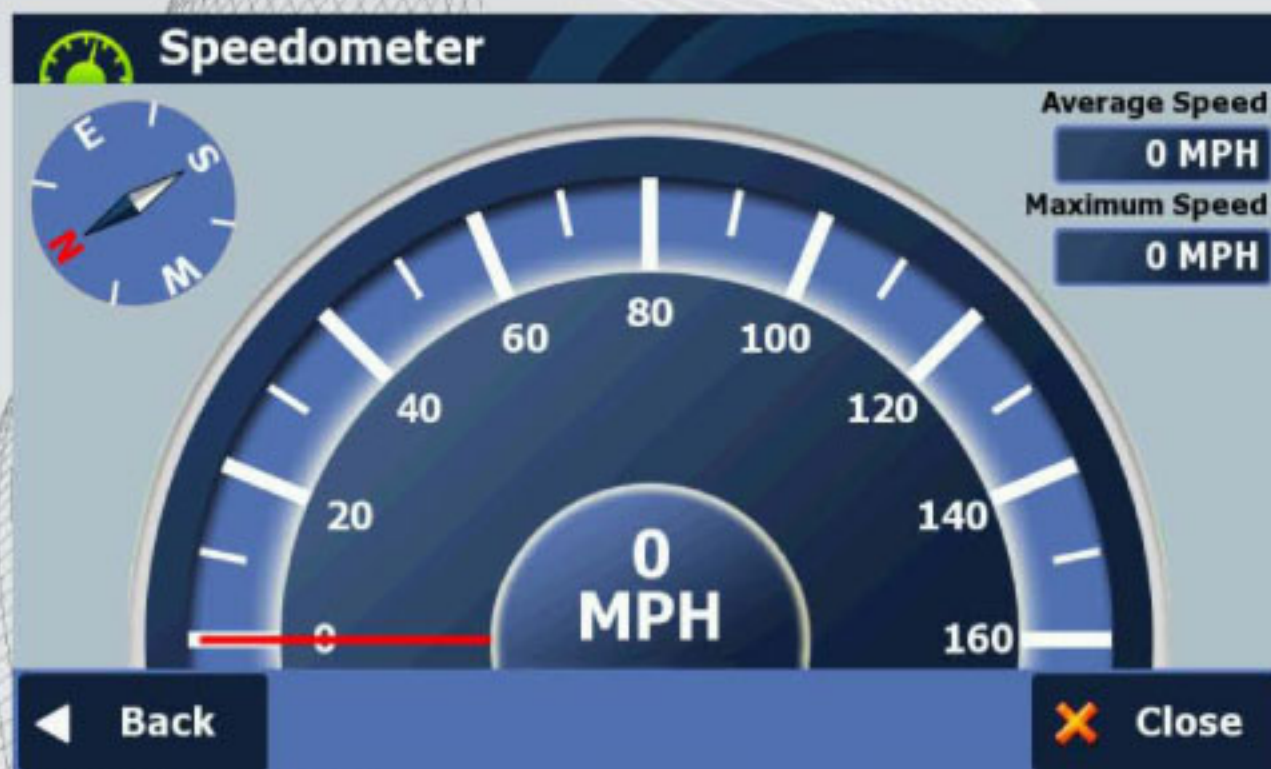


- Blue satellite: GPS fix is established.
- Pink satellite: GPS fix is unavailable.

Pressing the <Reset> button will reset the GPS module. It may take up to one minute to reacquire the GPS signal. It may take some time to receive GPS signals.

Speedometer

Your vehicle's speed is represented in analogue and digital. You can also view the average and maximum speed for your current trip.

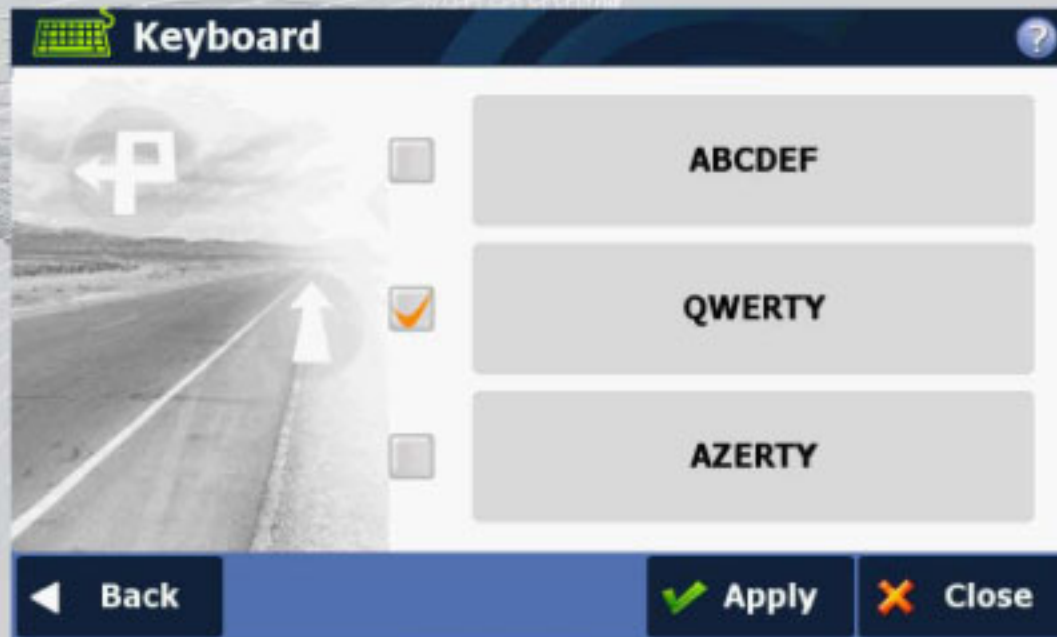


A compass, in the top left corner, displays the general direction in which you are travelling.



Keyboard

Set keyboard option.



You can select your keyboard layout preference here. This will change the keyboard layout for address and POI searches among others.

- ABCD
- QWERTY
- AZERTY

About

Shows the product name, version, data source and other licensing information.



- **Product Key identifies your product. You will need this key when contacting customer service.**

Restore Settings

Restore all settings to factory defaults.

Note

Please use caution when choosing this option, as any adjustments you have made to settings, such as map color, will be lost! 'Favorites' and 'Itineraries' that you have created will not be removed.

Fuel

Set current fuel price, and adjust consumption estimates according to vehicle.

Your journey's fuel cost estimate will appear on the 'Route Summary' page. You can access this screen via [Menu] > [My Route] > [Route Summary].



Fuel Cost

Fuel Price

\$ 0 4 . 0 0 per gallon (US)

Consumption

City 2 8 . 0 0 miles per gallon (US)

Highway 3 7 . 0 0

Back Apply Close

- **Fuel Price** Fuel prices fluctuate throughout the year. This setting allows you to adjust the fuel prices according to current prices. Currency options include Dollar (\$), Euro (€), British Pound, Swiss Franc, and Danish Krone.

Pricing for fuel volumes can be set as either 'per gallon (US)' or 'per liter'.

• Consumption

The consumption section allows you to set your vehicle's fuel consumption. This fuel consumption will then be used in the cost estimate for your trip.

Most modern vehicles include a fuel economy label which describes the vehicle's fuel economy ratings. **Alternatively, to find out your vehicle's fuel consumption, please see the 'Fuel Economy Guide' at www.fueleconomy.gov.** This guide is published by the U.S. Environmental Protection Agency (EPA) and U.S. Department of Energy (DOE). It contains an extensive listing of most vehicle makes and models.

Vehicle consumption is typically expressed as two fuel economy estimates:

- City: represents urban driving and driving in stop and-go rush hour traffic. City driving typically consumes more fuel than highway driving.
- Highway: represents driving on a mixture of rural and interstate highway driving, typical of longer trips in free-flowing traffic.

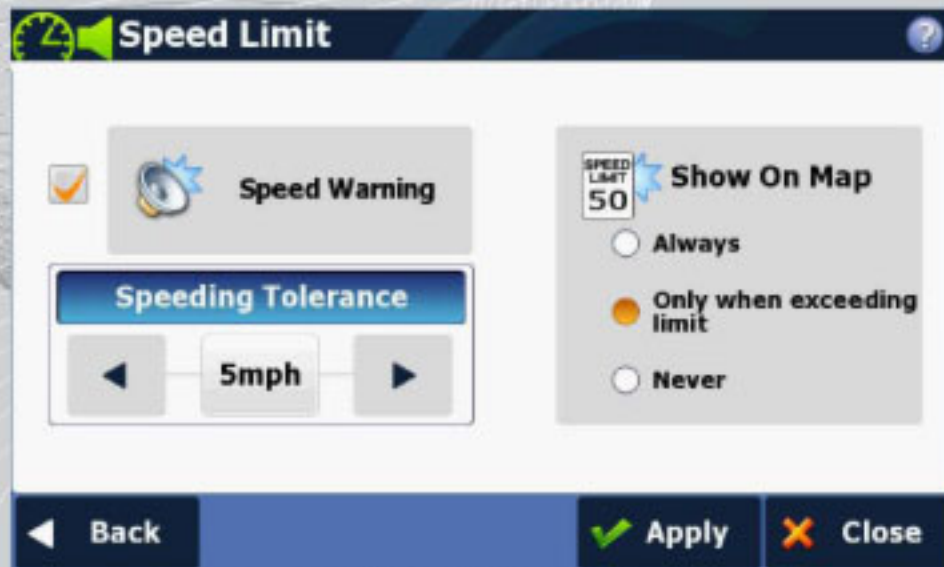
• Note

Please be aware that the actual fuel cost may vary according to other factors which affect the fuel consumption; for example, driver behavior, driving conditions, vehicle maintenance, fuel characteristics, and weather. The cost estimate is an estimate of fuel costs only. Other costs, such as Toll charges are not included in the calculation.



Speed Limit

Control how speed limit sign and warnings are given.



The map data contains speed limit information for some, but not all roads. This information exists generally for highways and other major roads. For your convenience, the speed limit unit; i.e. miles or kilometers, matches the system's unit setting.

Speed warning: An acoustic warning is given when the speed limit is exceeded. Speeding tolerance: The acoustic speed warning may be adjusted by using the

Speeding Tolerance. For example, on a 60mph road, if the Speeding Tolerance is set at 3mph, the driver is alerted if the vehicle exceeds 63mph.

Show on Map: Choose how to display the Speed Limit Sign on the main map:

- Always: Speed Limit Sign will be displayed on map where available
- Only when exceeding limit: Displayed only when exceeding speed limit. This control is independent of the Speeding Tolerance.
- Never: Speed Limit Sign is never displayed on the main map

The Speed Limit Sign displays miles or kilometers according to the system's unit settings. This may be changed by going to [Menu] > [Settings] > [Units].

Units

Set distance units.

Units

☒ Miles (Feet)

☐ Kilometers (Meters)

Back Apply Close

You can choose one of following two options.

- Miles/Feet
- Kilometers/Meters

Set Clock

Set time manually.

Set Clock

02 : 1 5 AM

☒ Daylight Saving ☒ Sync with GPS

Back Apply Close

- Sync with GPS: Synchronize the time on your device with GPS time.
- Daylight Saving: Apply daylight saving.

Time Zone

Set time zone.

Time Zone

US - Eastern

US - Hawaii

US - Mountain

US - Pacific

Boise

Back Apply Close


- Select one of 30 time zones. The default time zone is US-Pacific.



Language

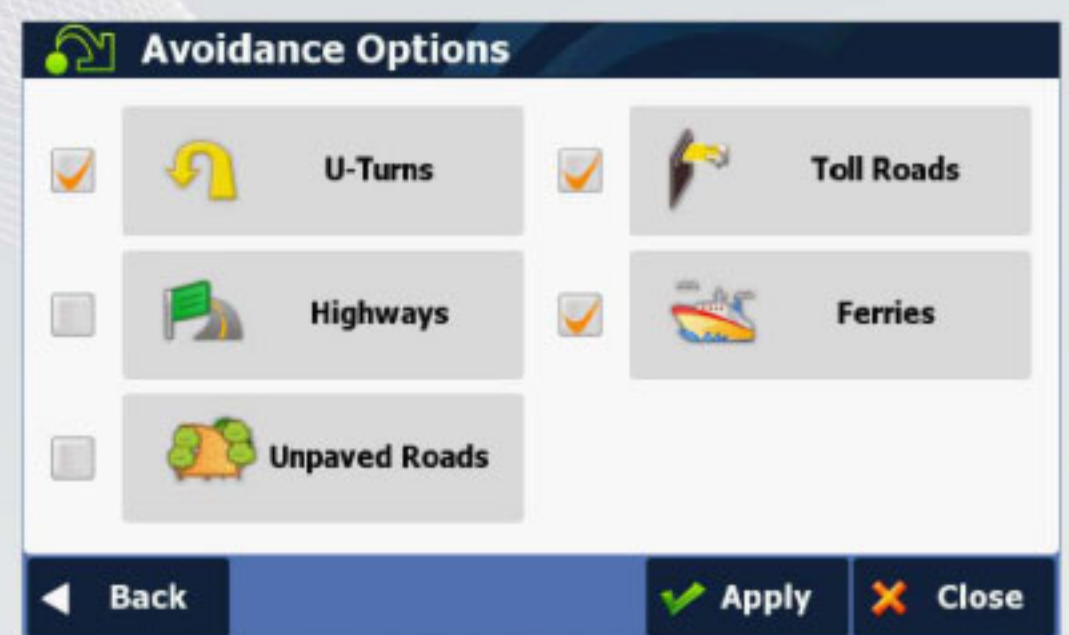
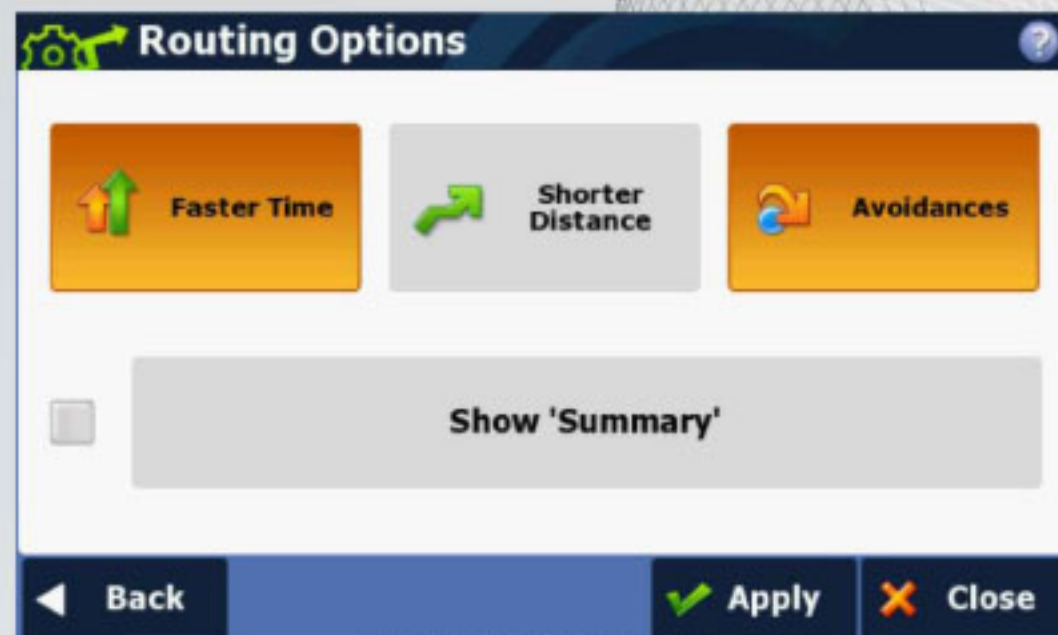
Change voice or text language.



- Voice Language: Gogo offers three voice languages (English, Spanish and French), and each language has a male/female voice. And if you want to hear the sample voice of the selected one, tap . To apply the selected voice language, tap 'Done' button.
- Text Language: Three text languages are also supported.

Routing Options

Set routing options.



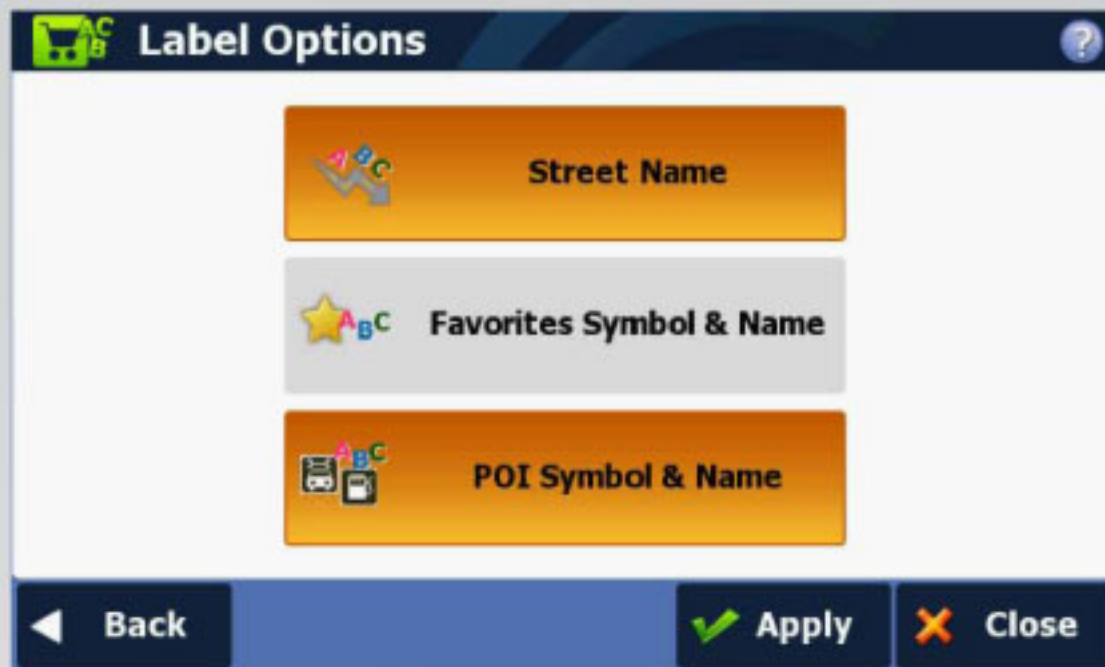
- To route considering faster time, select 'Faster Time' option. To route considering shorter distance, select 'Shorter Distance' option. To route avoiding with some options, go to 'Avoidance Options' page by selecting 'Avoidances'. Choose avoidance options that you wish to avoid, then tap the 'Done' button.
- Show 'Route Summary' Page automatically: If this option is checked, the 'Route Summary' page will be shown whenever the routing planning is complete. Otherwise, it will start guidance immediately.

Home

Register or change your home location.

Label on Map

Show/hide some labeling options on the map screen.



Select options that you wish to be displayed on the map screen, then tap the 'Done' button to apply these settings on the map screen.

Street Name

POI Symbol & Name

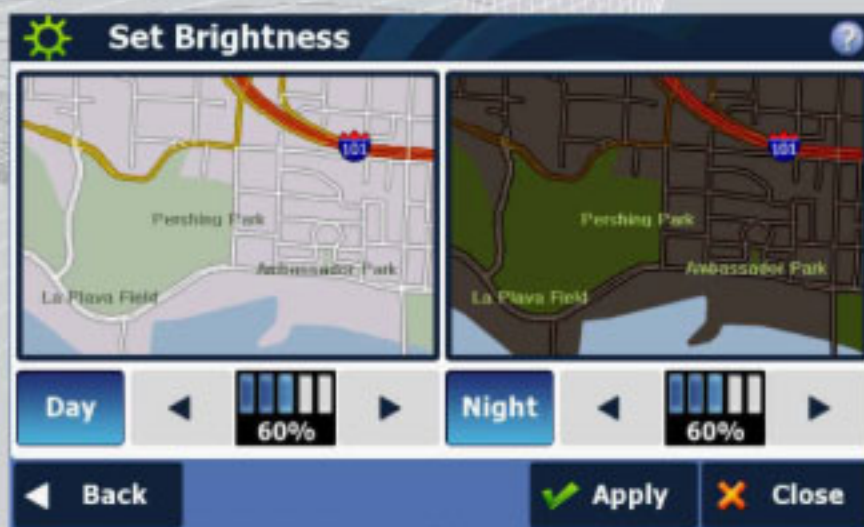
Pressing this button will allow you to hide or display POIs based on category type. You can choose to only display your favorite POI types, for example Food, Fuel, Lodging etc

Favorites Symbol & Name: symbols and names of registered place as your favorite.



Set Brightness

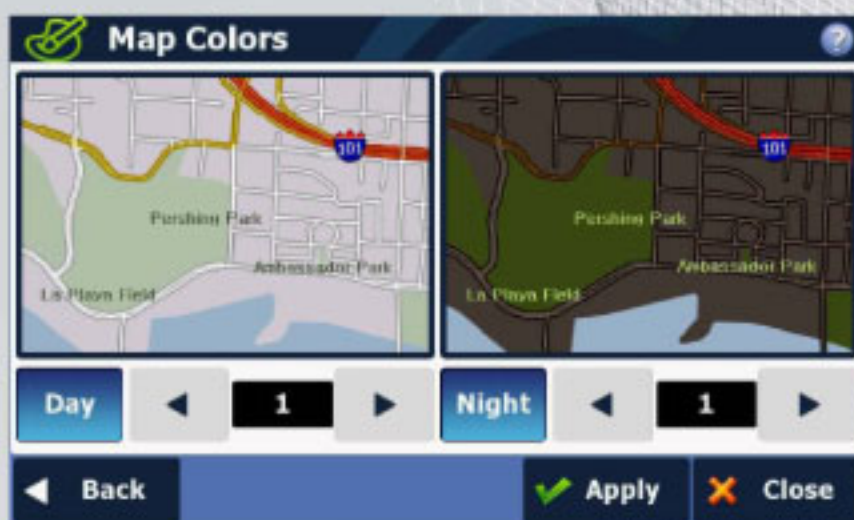
By touching the map images, adjust day or night brightness of map screen according to your preference. Then tap 'Done' button.



- Day: Adjust day brightness of map screen.
- Night: Adjust night brightness of map screen.

Map Colors

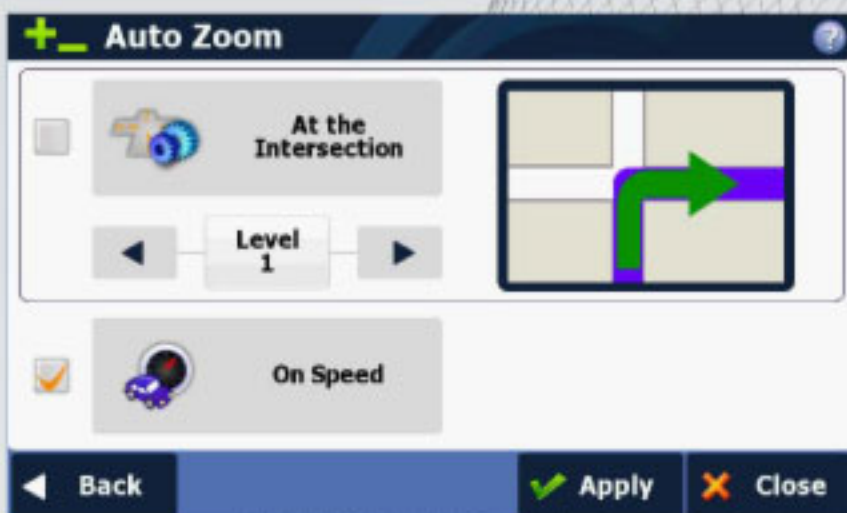
By touching the map images, change day or night color of map screen according to your preference. Then tap 'Done' button.



- Day Color: Select day color of map screen.
- Night Color: Select night color of map screen. A darker map color is used to reduce glare and eye strain while driving.

Auto Zoom

You can turn on/off automatic zooming at the intersection and automatic zooming on speed options.

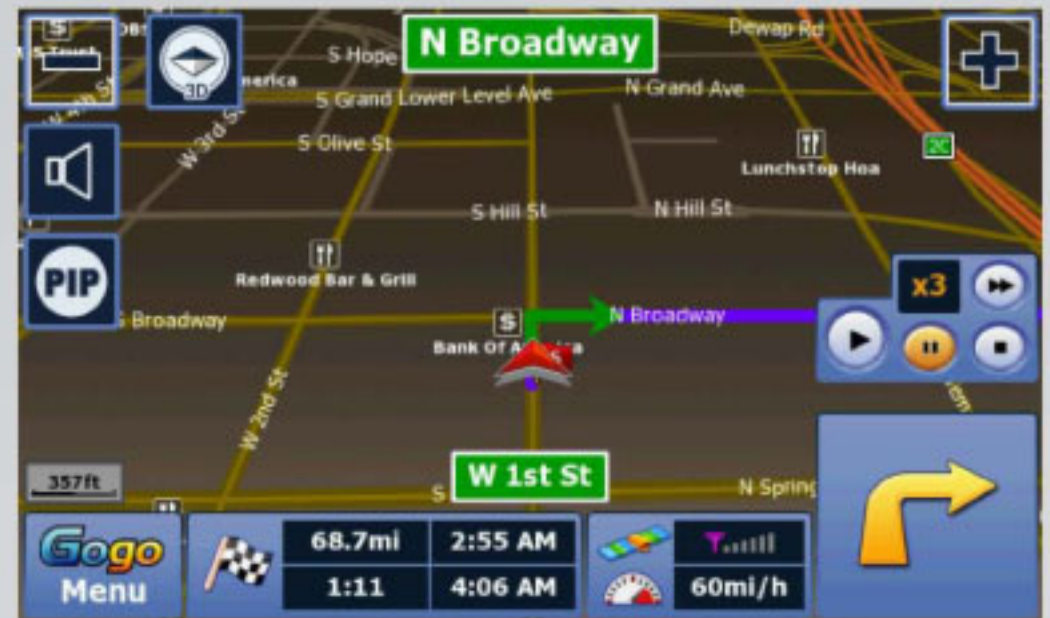
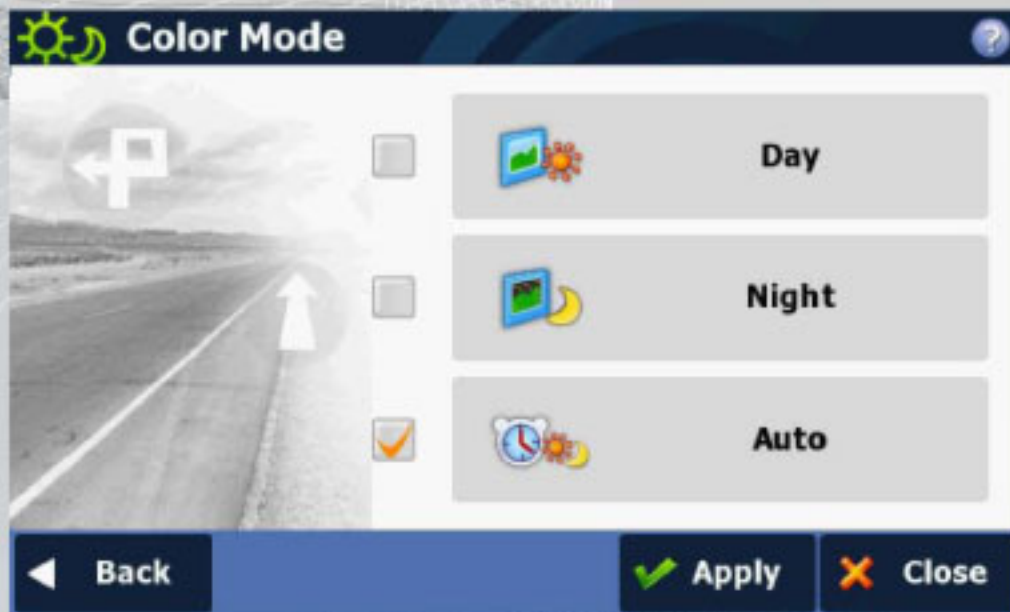


- At the Intersection: Automatically zoom in/out to a certain map scale level at the next maneuver intersection.
- On Speed: Automatically adjust map scale level according to the speed of car. (Speed up->Zoom out, Speed down->Zoom in)



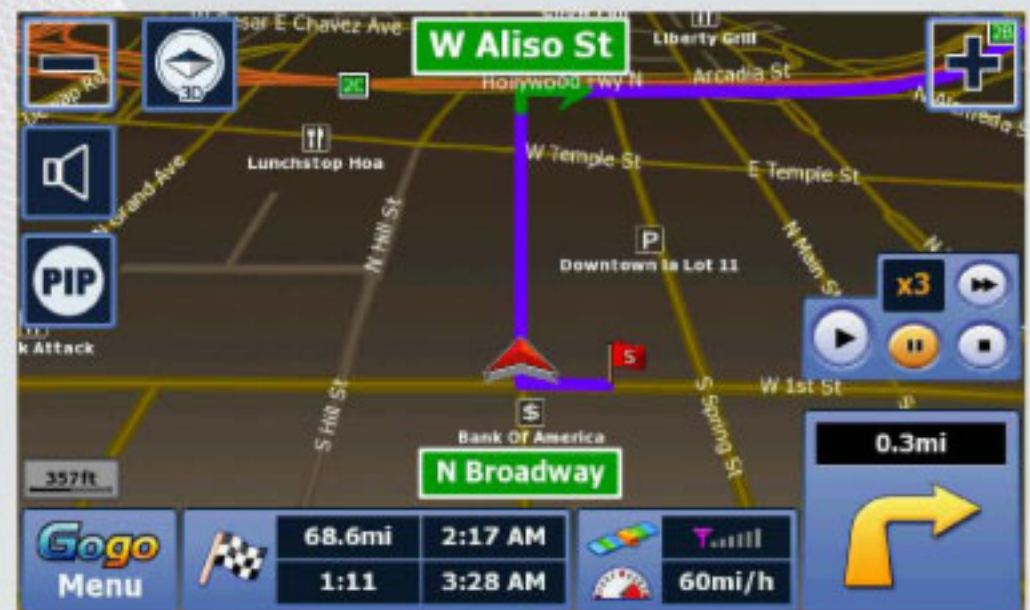
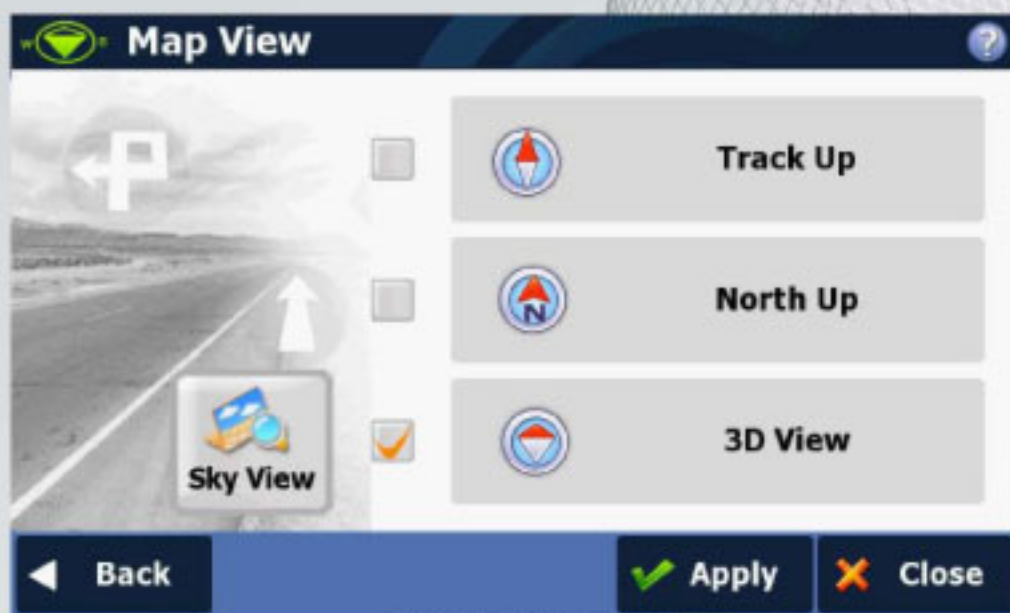
Color Mode

Change the color mode of map as 'Daytime', 'Nighttime', or 'Auto' mode.



- Daytime: Daytime color mode.
- Nighttime: Nighttime color mode. (Refer to the right side image.)
- Auto: Automatically change the map color by time.

Map View



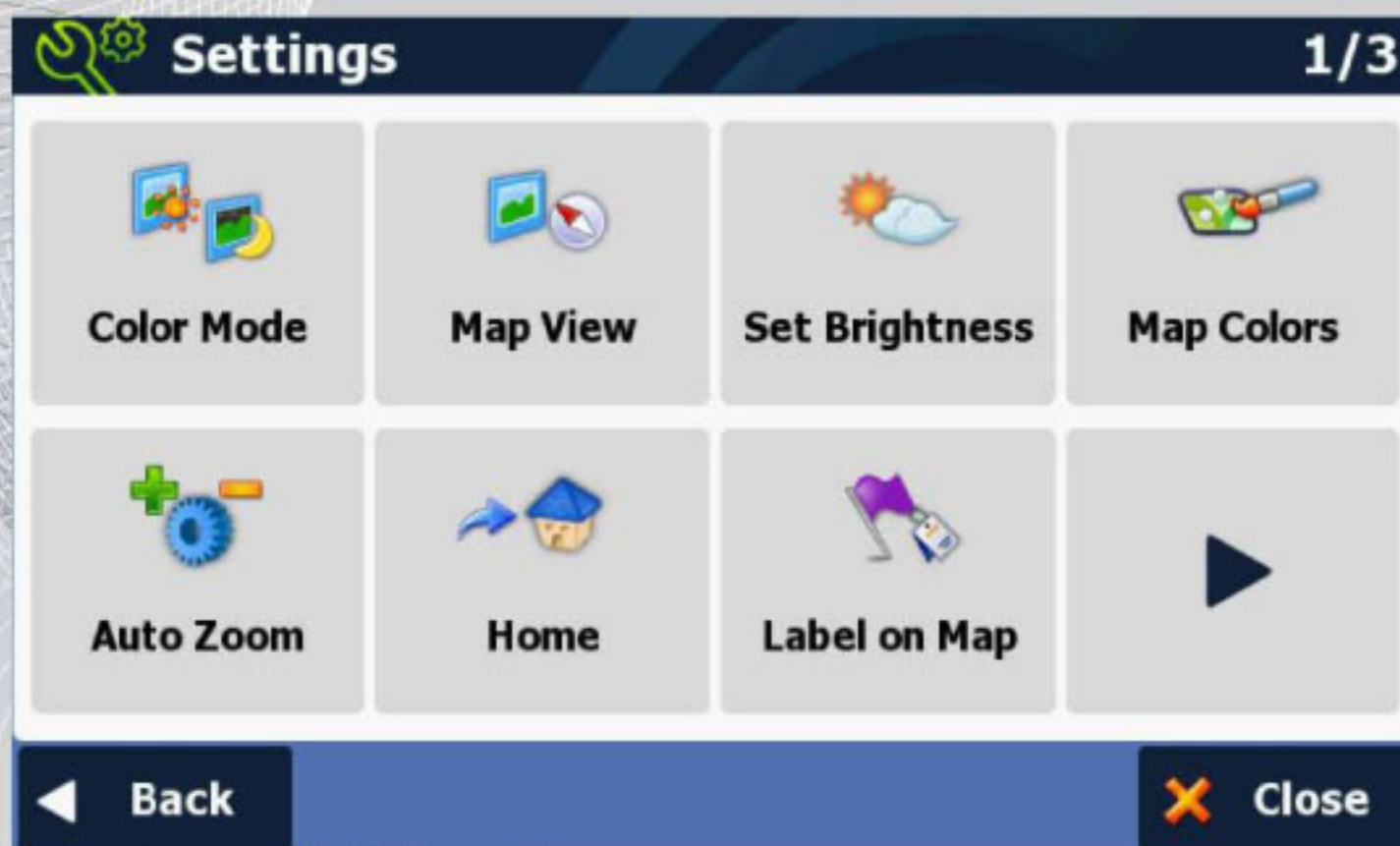
- Track up: The direction of car is always upside of map screen.
- North up: The map screen is fixed to north direction up.
- 3D View: 3-dimensional 'Track up Mode'. (Refer to the right side image.)



08. **[Label on Map]** You can turn on/off displaying some labels on map.
09. **[Language]** You can change voice or text language of Navigation.
10. **[Routing Options]** Changing routing options.
11. **[Units]** Change distance units (miles or meters)
12. **[Set Clock]** Setting your navigation time and apply some options such as 'Daylight saving' and 'Sync. with GPS time'.
13. **[Time Zone]** Select time zone.
14. **[Speed Limit]** Turn on/off the speed warning. Set a tolerance level for receiving a warning alert; for example, set tolerance level as 2mph to receive a warning when you exceed the speed limit by 2mph.
15. **[Keyboard]** Changing Keyboard Option
16. **[Fuel Cost]** Adjust fuel prices and consumption.
17. **[Click Sound]** Turn on/off the click sound for touch response.
18. **[Log Files]** Displays System Data and allows log recording or GPS information.
19. **[About]** Shows product name and version
20. **[Restore Settings]** Restore all settings to factory defaults

04) Settings

In this page, you can customize the settings of the Navigation system.



Descriptions of each option are as follows:

01. **[Color Mode]** You can set the color mode of map as 'Daytime', 'Nighttime', or 'Auto mode'. Auto mode will allow the navigation system to automatically choose day or night mode based on the current system time.

02. **[Map View]** You can change the view mode of map as 'Track up', 'North up', or '3D View' mode.

03. **[Set Brightness]** You can adjust the map brightness of day/night.

04. **[Map Colors]** You can change the map color.

In this page, you can customize the settings of the Navigation system.

05. **[Auto Zoom]** You can set the automatic zooming at intersection or on speed.

04) Settings

06. **[Home]** You can register or change your home location.

• Travel Via

Add a via point to your route.

This will bring you into the normal [Where to] screen. Choose from any of the available methods to find a location to add to your route.

• Recalculate Original

This button allow you to recalculate the original route by removing any detours or others changes that may have been set.

Route Summary Page

If your decision on [Route Decision] page created a route and [Settings]-[Routing Options]-[Show 'Route Summary' page automatically] option in setting is enabled, the [Route Summary] page will show up. In this page, you can check route information such as total distance, time, etc. It's also possible to reroute via three options as follows.


20506 Marcus Rd, Riverside, CA 92508

Total Distance	68.7mi	<div>Faster Time</div> <div>Shorter Distance</div> <div>Avoidances</div>
Total Time	1 hr, 11 min	
Distance To Go	68.7mi	
Time To Go	1:11	
ETA	3:04 AM	
Fuel Cost	\$ 7.48	

◀ Back
✖ Close

• Faster Time

Reroute considering faster time.

• Shorter Distance

Reroute considering shorter distance.

• Avoidances

Reroute with road avoidance options such as U-Turns, Toll Roads, and others.

Route Summary Page

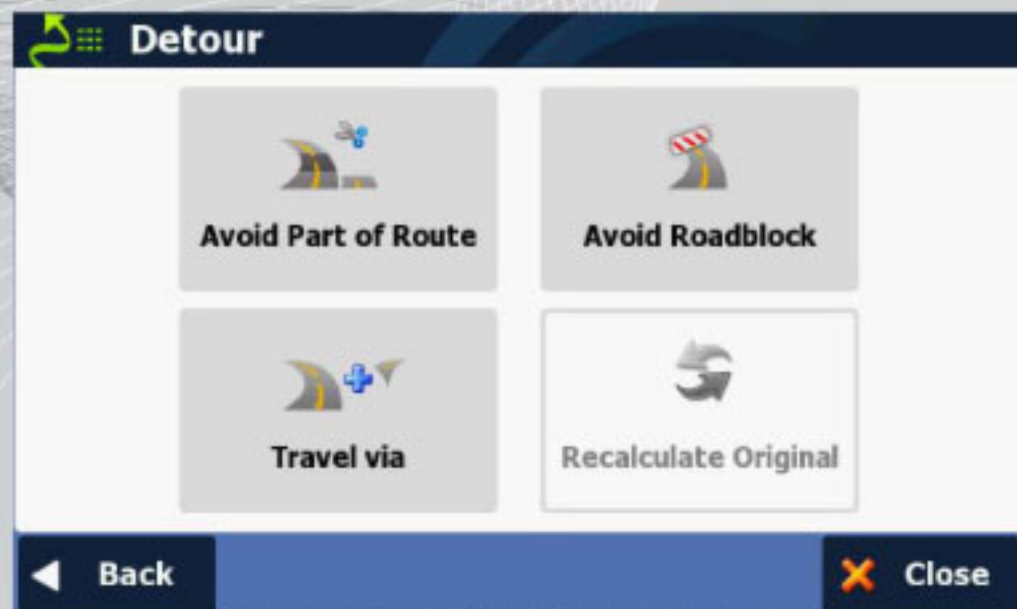
03. Main Function

<Fuel cost> represents an estimated cost for your trip. Fuel prices and fuel consumption for your vehicle may be adjusted by going to [Menu] > [Settings] > [Fuel Cost]

INGENIX

Detour

This function is for editing your route. After editing your route preferences, the navigation system will recalculate a new route automatically.



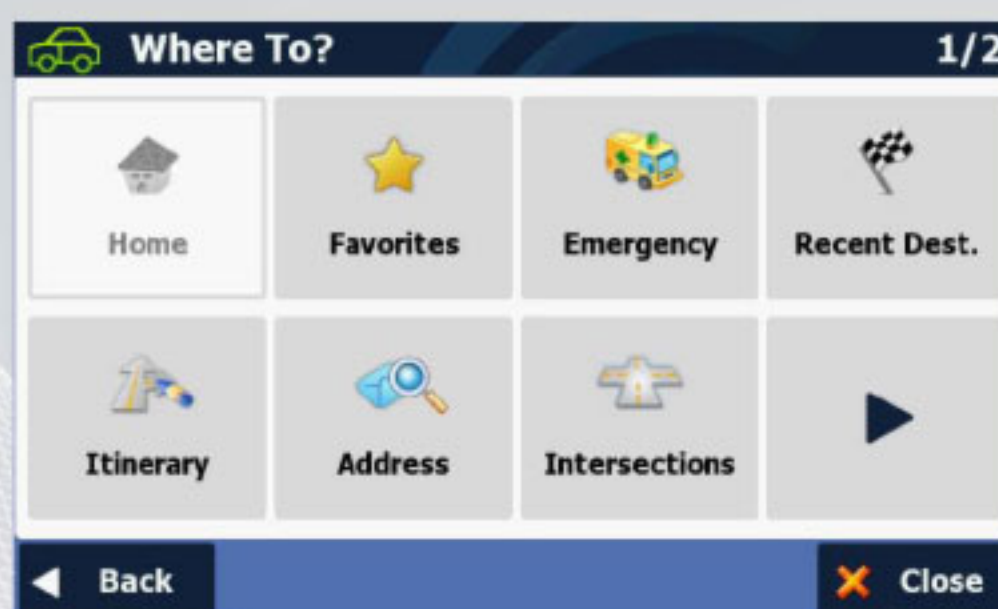
<Detour Menu>



<Avoid Roadblock>



<Avoid Part of Route>



<Travel via>

You can change your route via four functions as follows:

- **Avoid part of route**

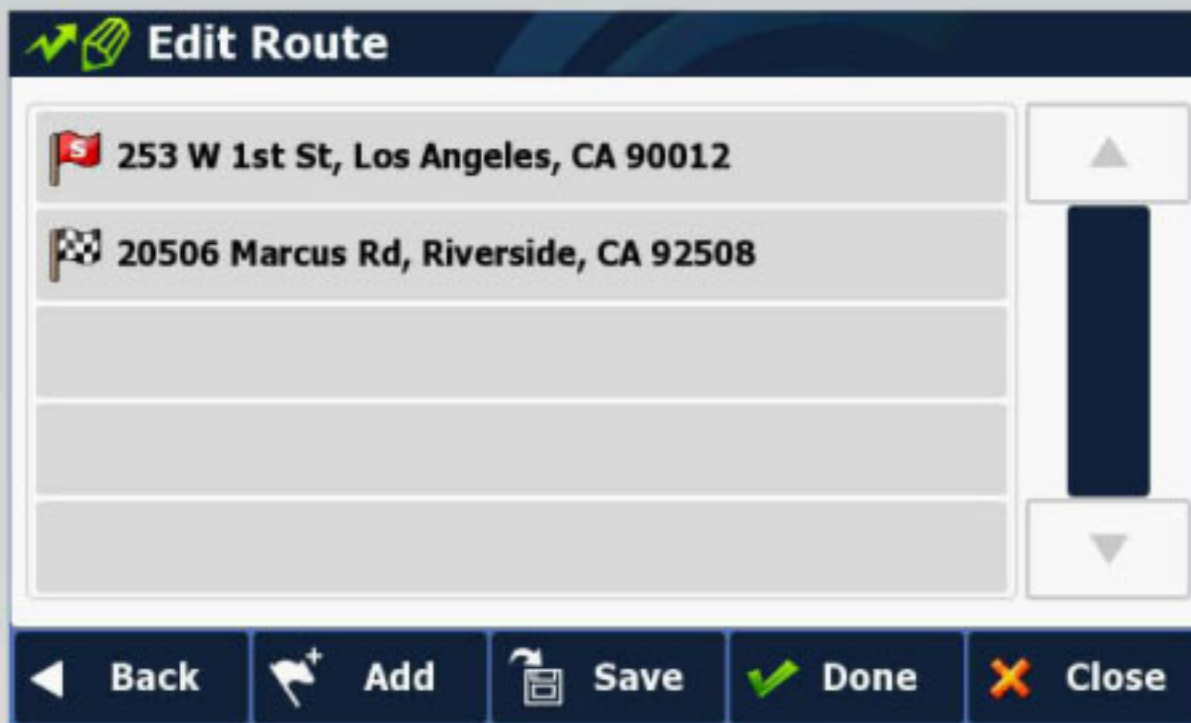
Make a detour to avoid some part of existing route.

- **Avoid roadblock**

Make a detour to avoid a roadblock. You can set 100ft, 300ft, 500ft, 1mi, 2mi, or 3mi as a length of roadblock. For example, if you are stuck in traffic because of a construction site or a car accident ahead of you, you can apply the relevant distance to roadblock, and the navigation system will make a detour to avoid that roadblock.

Edit Route

This function is available if a route already exists.



• Add a Location to your route

Press the ADD button to add another location to your route.

• Position the location within the route

The first location you set automatically becomes the destination. You may add another location to this route by pressing the ADD button. Additional locations added become either Departure points, Via Points or Destination points depending on their respective position within the route list. You may rearrange your route simply by selecting the location and choosing to move the location up or down in the list.

• Find POI nearby any location

Simply select the location and choose 'Find Nearby POI'. After selecting the POI, it will be added to your route.

• Save Route

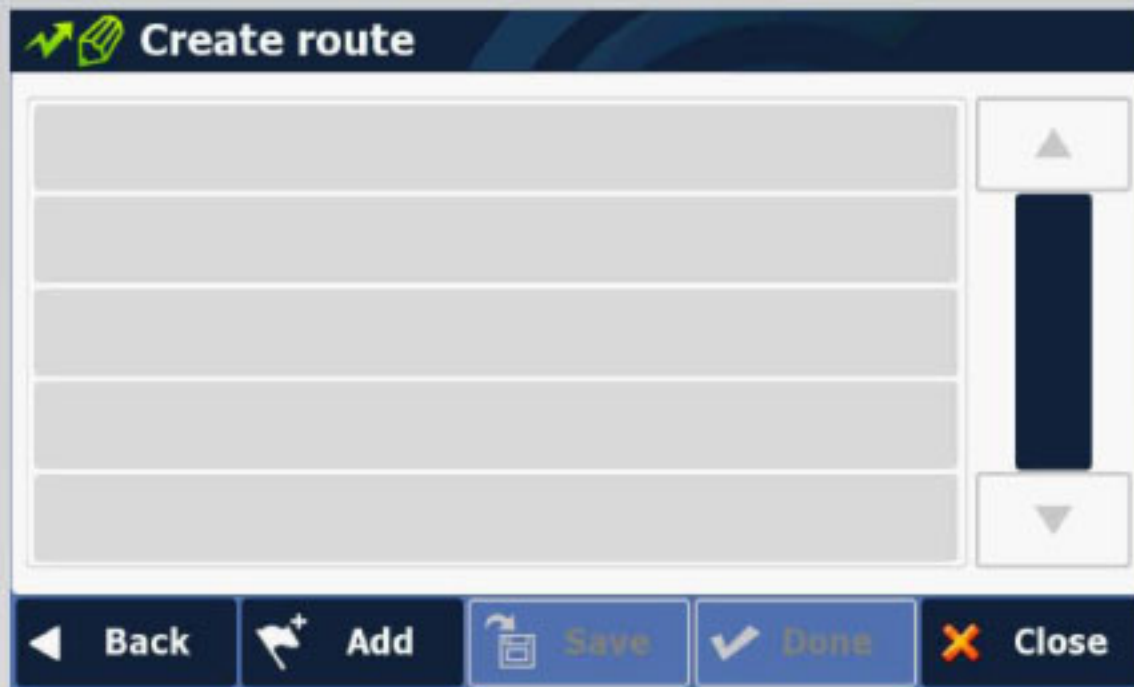
Press the save button to save your route. This route may be accessed at a later stage via the Itinerary menu: [Where to] > [Itinerary]

• Calculate Route

When finished modifying the route, press the DONE button to calculate.

Create Route

This function is available if no route has been set.



Add a Location to your route

Press the ADD button to add a location to your route. For short routes, you may add up to 20 Via Points. The number of Via Points may be less for longer routes.

Position the location within the route

The first location you set automatically becomes the destination. You may add another location to this route by pressing the ADD button. Additional locations added become either Departure points, Via Points or Destination points depending on their respective position within the route list. You may rearrange your route simply by selecting the location and choosing to move up, down in the list.

Save Route

Press the save button to save your route. This route may be accessed at a later stage via the Itinerary menu.

Where to > Itinerary

Calculate Route

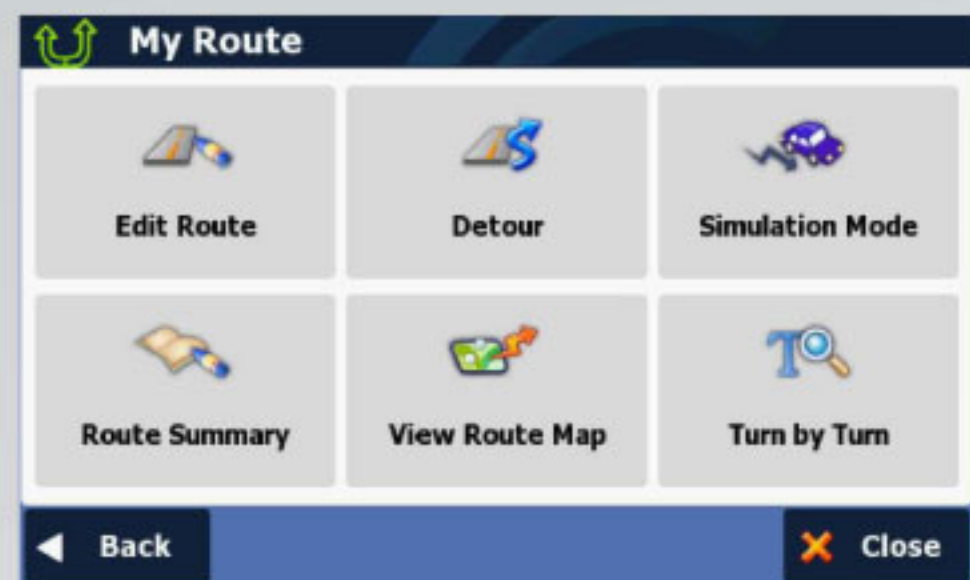
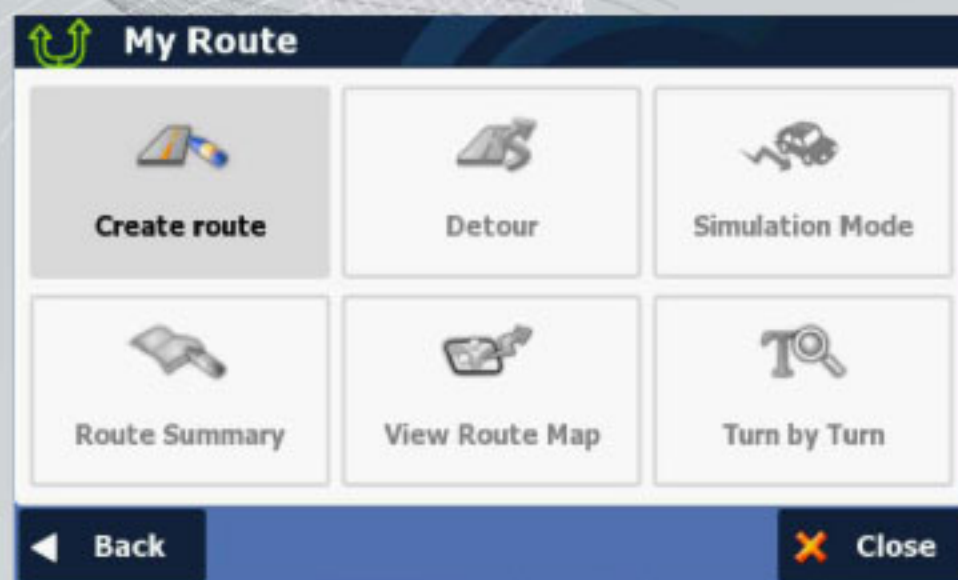
When finished, press the DONE button to calculate the route.



b) Route Options

Manage your route

Routing Options may be used to create a new route or to edit an existing route. Create Route / Edit Route buttons will change depending on the situation.



Create Route / Edit Route

[Create Route] is available if a route has not been set.

[Edit Route] is available if a route has already been set. Use this option to edit your existing route.

Detour

Allows you to avoid part of the route, a roadblock, or to set a travel Via point.

Simulation Mode

Starts a driving simulation of the route.

Route Summary

Go to the route summary page.

View Route Map

Displays a full map of your route.

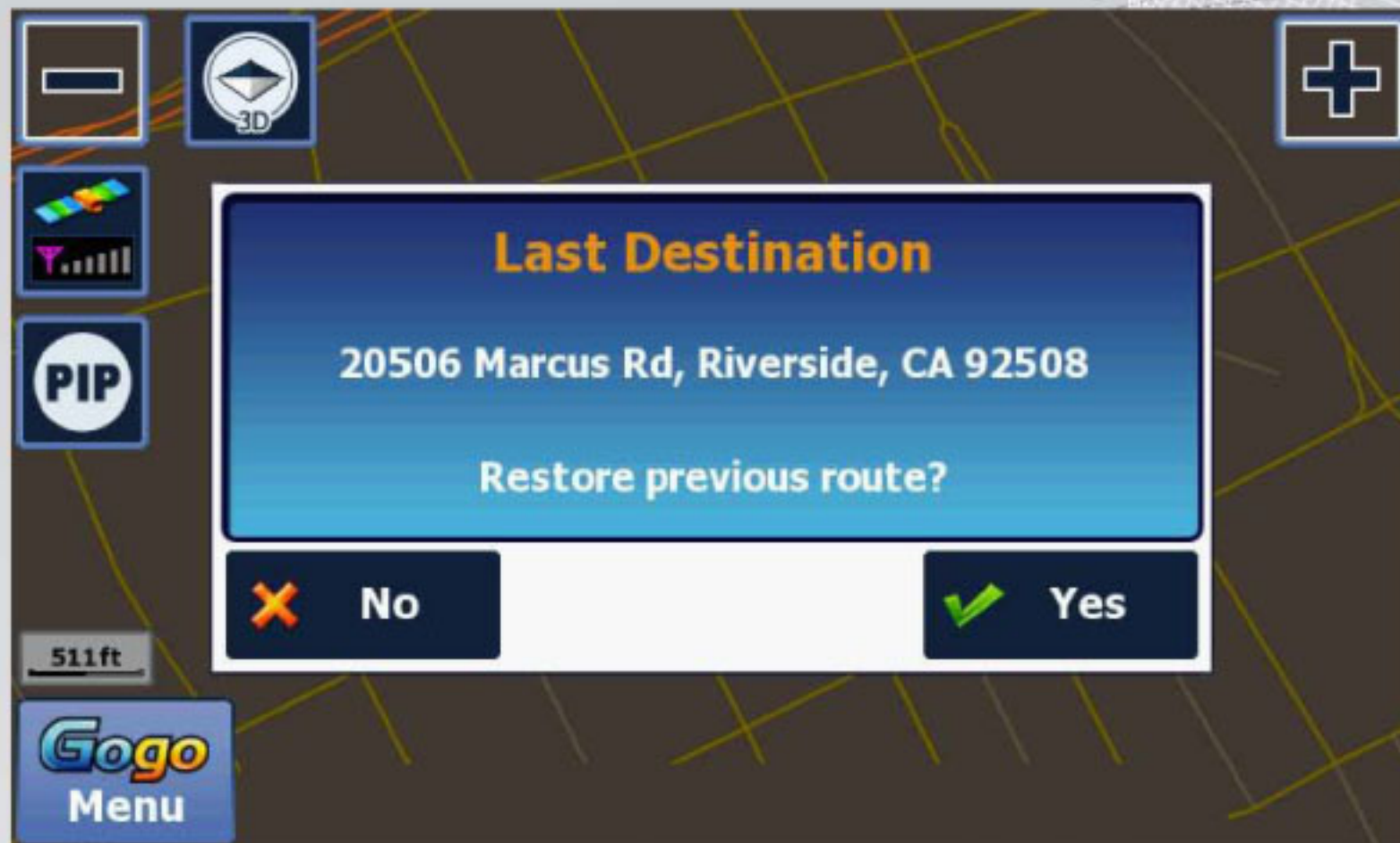
Turn by Turn


Displays a simplified guidance mode with no map.

Turning off device before journey is complete.

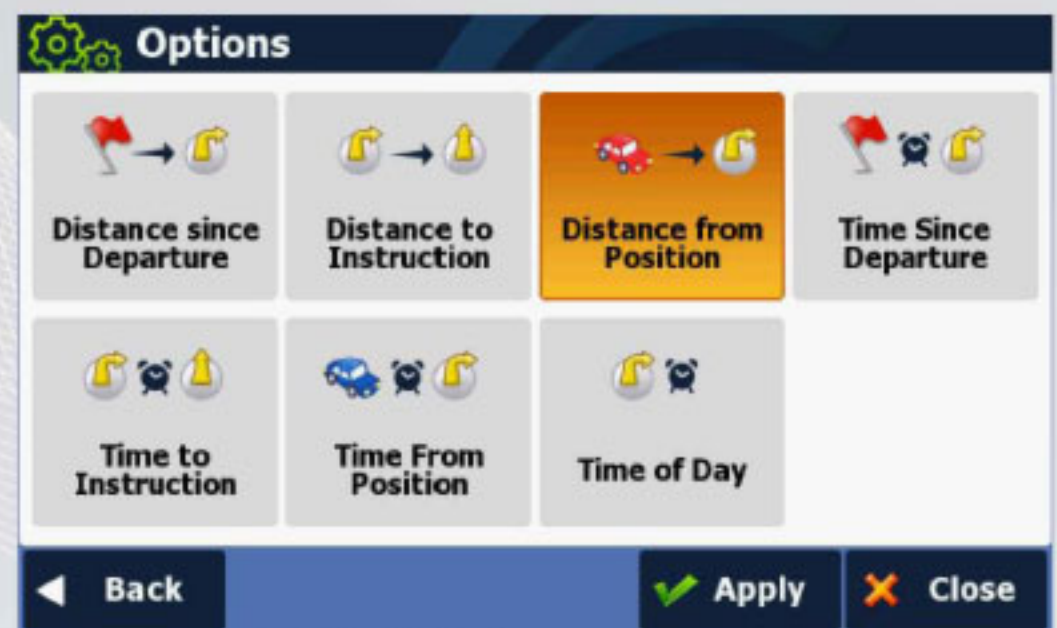
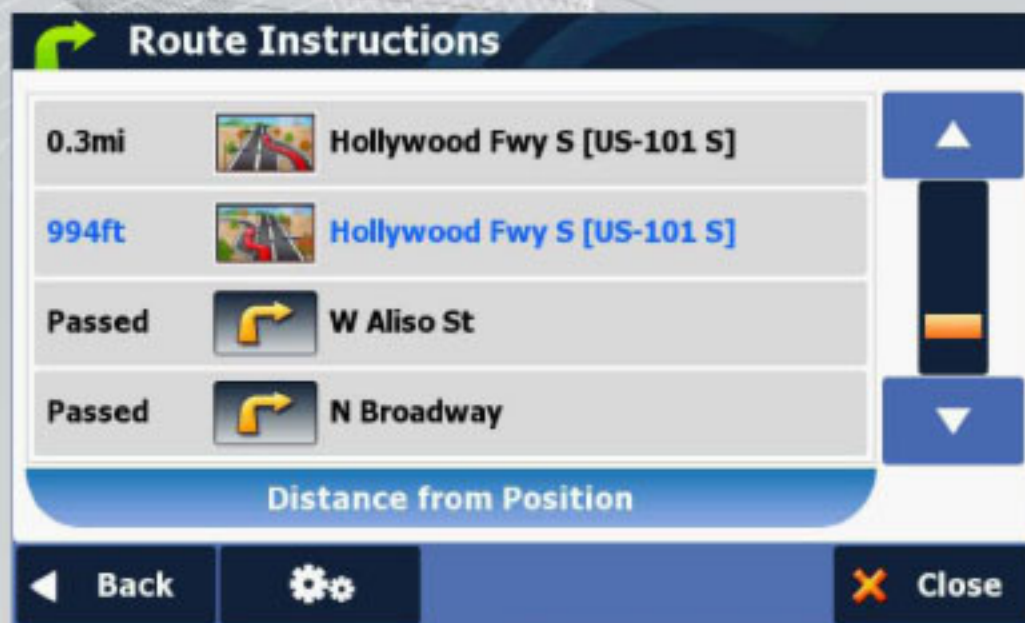
In case of unexpected shutdown during the journey, the navigation system will remind you of the last destination when restarted. If you want to restore your previous route, select 'yes' button. Otherwise select 'No' button.

In addition to this, any VIA point that was unreached in the journey will be remembered. By going to [Menu] > [My Route], you can check via and destination points.



The Turn List presents a full list of all maneuvers for the journey. This screen may be accessed by pressing the List button  List in the Turn by Turn mode.

The default setting of this options is 'Distance from position'. If you want to change this option, tap 'Options' button at the bottom of screen.



Distance since departure: Shows distance from departure to each turning point.

Distance to instruction: Shows distance from previous turning point to next turning point.

Distance from position: Shows distance from current position to each turning point.

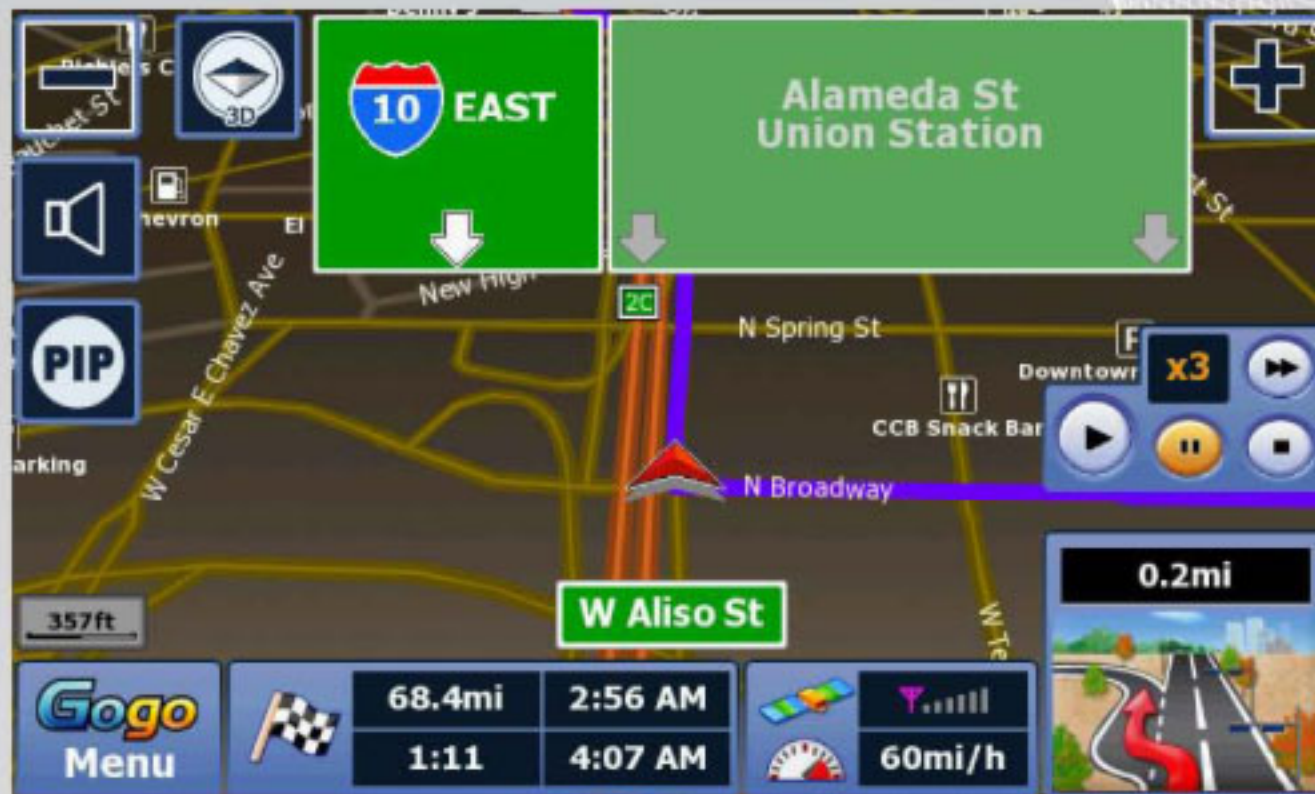
Time since departure: Shows required time from departure to each turning point.

Time to instruction: Shows required time from previous turning point to next turning point.

Time of day: Shows expected time when arrived at each turning point.

Signposts

Signposts provide a realistic representation of actual signposts at complex highway junctions. As you approach a highway junction, the signpost displays route shields, route directions, locality, exit, and lane information.



The Signpost replaces the normal Next street name box at some junctions. The highlighted shield with white arrows indicates the correct lane(s) to be in. In the example above, there are two lanes on the right exiting the current highway; these are the correct lanes to stay in for the upcoming maneuver. The other two grey lanes on the greyed-out sign (on left) are continuing straight. Please be aware that Signposts are available for some, but not all highway junctions.

Turn by Turn

The Turn by Turn Screen offers a more simplified guidance mode. To access this screen, simply tap the bottom-right maneuver picture on the main map screen, or, go to [Menu] > [My Route] > [Turn by Turn].



The Turn By Turn mode presents an enlarged maneuver image and text to indicate the next turn. The distance remaining to the next maneuver is indicated by the distance bar on the right. The second maneuver is displayed at the top of the screen with a smaller image and text.

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Start Traveling Guidance



To start guidance, you should tap the start button on the [Route Summary] page. The above screen image is the captured image when traveling guidance has begun. (Refer to <Map screen features - Traveling guidance mode> on page 18 for an explanation of map features.)

Lane guidance

Lane Guidance helps you safely prepare for your next maneuver by displaying the correct lane(s) to stay in.

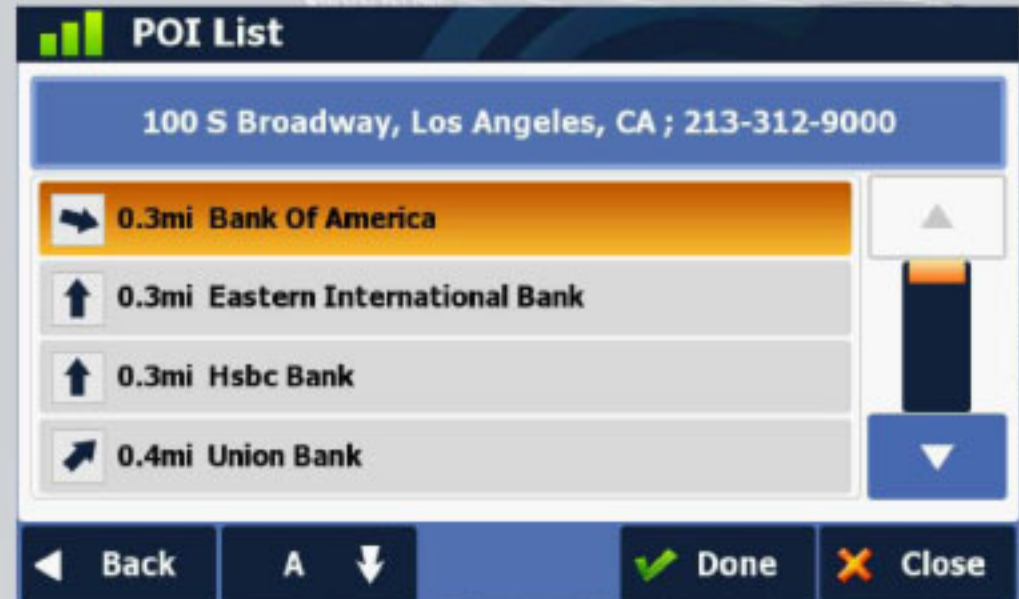
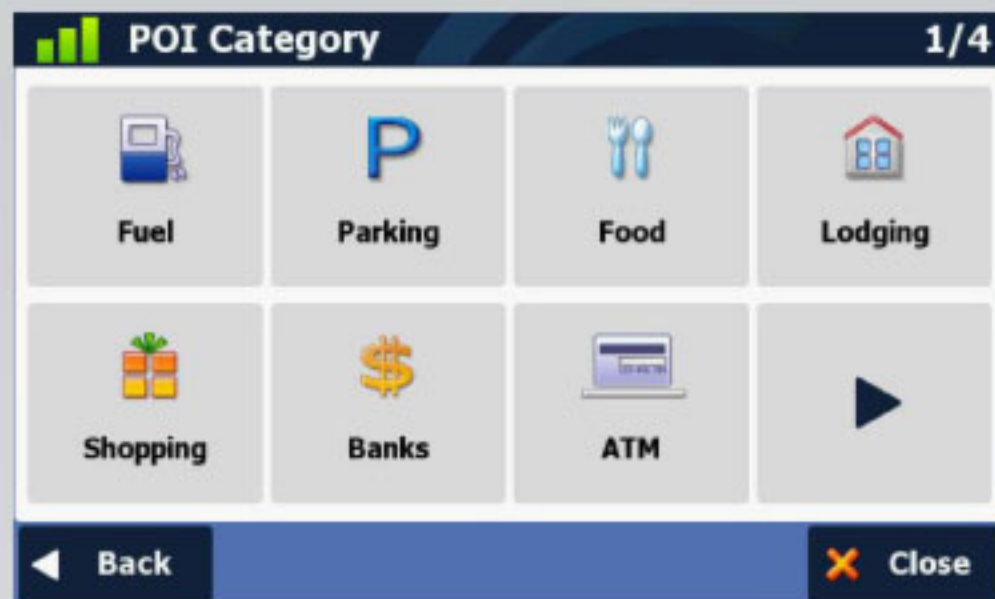


Lane Guidance appears below the Next Street Name box. The highlighted white arrow indicates the correct lane(s) to be in. In the example above, there is one highlighted lane turning left; this is the correct lane to stay in for the upcoming maneuver. The other three grey lanes are either going straight or turning right.



Please be aware that Lane Guidance is available for some, but not all junctions.

POI In City

Searching for a POI in a particular city.



1. [POI Category] screen (left screen image) is shown when you finish [State/Prov]-[City] searching steps. The 28 POI categories are arranged in the order of frequency of driver's use. (Refer to 'Address' search on page 23 for [State/Prov]-[City] search.)

2. Select one of POI categories, then it will list POIs in order of distance from current position. Tap  to order alphabetically, or tap  to order by distance. Select one POI, then tap next button.



Some POI categories have sub menus; for example, the Food POI category contains a sub menu for various cuisine types.

POI In Category

Searching for POI around the current position.

Since this searching is based on your current position, there is no area selection steps ([State/Prov]-[City]). Other searching steps are the same as POI in City.



Cities

Search for the center of city. After taking searching steps [STATE]-[CITY], press [Done] when ready. Refer to [STATE]-[CITY] searching steps on page 23.

POI Name


Searching for a location by using the full POI name, or part of the name.

State/Prov: California [CA] Change
City: Riverside, CA Change
[Empty input field] Del
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 _
Back 123 Close Next

ABC POI Name
Adams Motor Sports Park
Adrienne Mitchell Mem Park
Agate Park
Agricultural Park
Andulka Park
Back Close

1. Select 'POI Name' on the [Where to?] screen.
2. The previously searched state/province name and city name are initially selected. If you want to change state/province or city, tap [...] button. Type POI Name then tap 'next' button. It will list valid POI names corresponding to the letters you've typed. Select one of the POI names that you're looking for, then it will list all valid locations with address information. Choose one and then tap 'next' button. (When typing, only next available letters appear.)
3. Press [Done] when ready.

Note: You can also search for part of a POI name or part of a word in the POI name; for example, if you search for the word 'Park', you can find all POIs with the word 'Park' in their name; Park Run Cafe, Mall Parking, CafePark etc.

1. The initial itinerary page is empty. To plan a new itinerary, tap  .
2. Select [New] button, then enter a name for a new itinerary. Tap 'Done' button.

Start Navigation: Start traveling

New: Create a new itinerary.

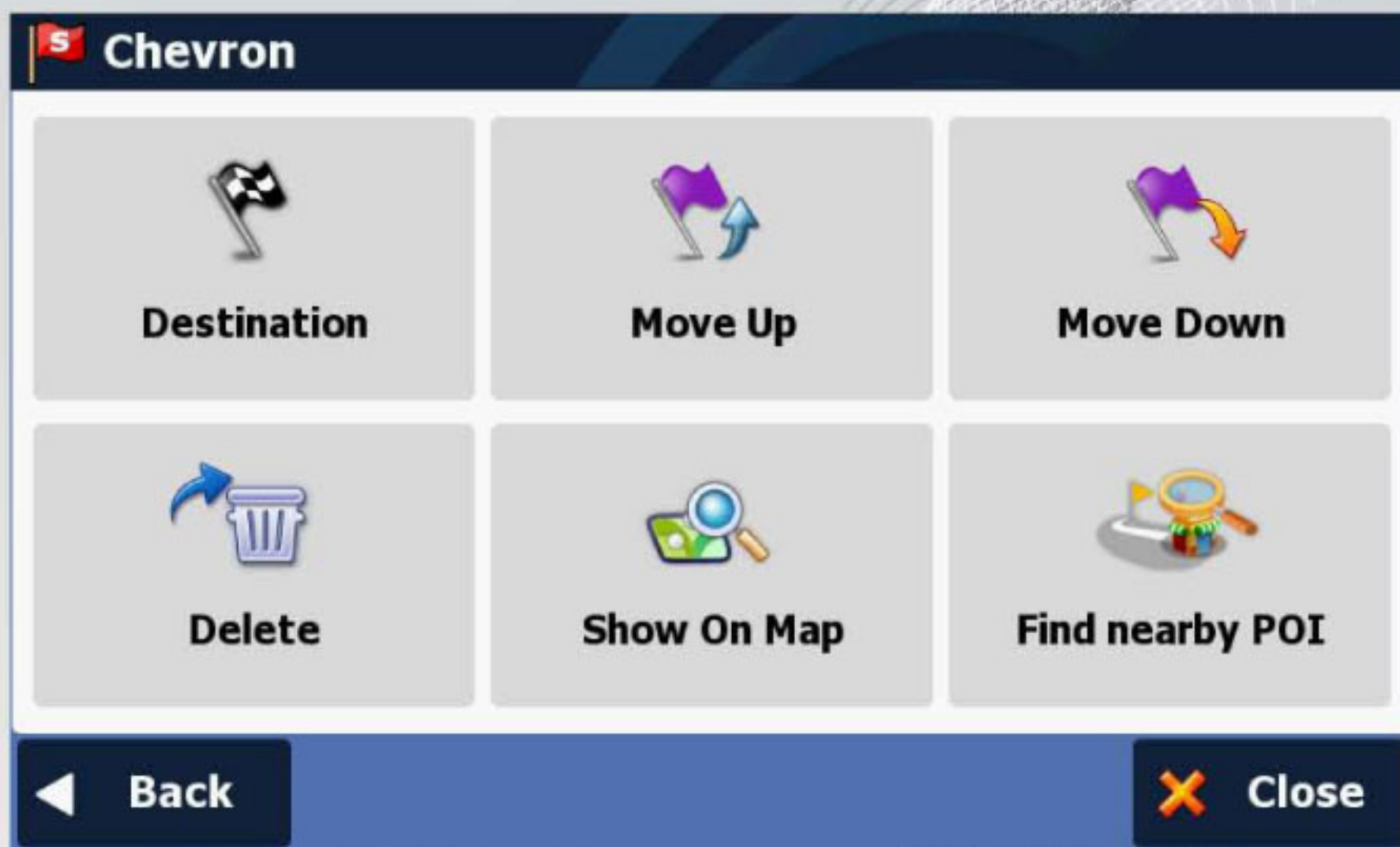
Rename: Rename the current itinerary.

Load: Load one of itineraries.

Delete: Delete one of itineraries.

3. To add a location to your itinerary as departure, via point, or destination, tap  **Add** .

If you select a location on the list, it will present six options for editing the selected location.



Destination: Set a selected location as destination.

Visited: Setting a selected location as a visited location tells the navigation system that you've already visited this location, so skip this location when routing. Re-applying this function to a visited location will cancel the visitation of it. (This function will be deactivated if the selected location is a destination or departure.)

Show On Map: This function will take you to the selected location on the map.

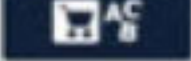
Delete: Delete a selected location.

Move up: Move up a selected location in the itinerary.

Move down: Move down a selected location in the itinerary.



'Point on Map' may be accessed at any time simply by tapping on the main map window.

To change the labeling option on the map, tap the button . You can turn on and off three map labeling options: 'Street name', 'POI Symbol & Name', and 'Favorites Symbol & Name'.

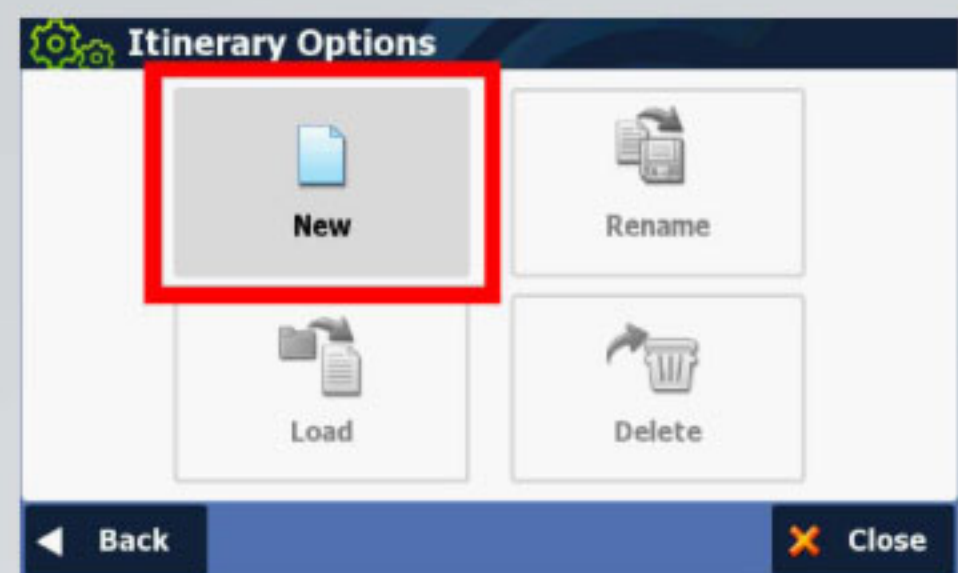
Refer to [Settings]-[Label On Map] on page 43 for more information.

Itinerary

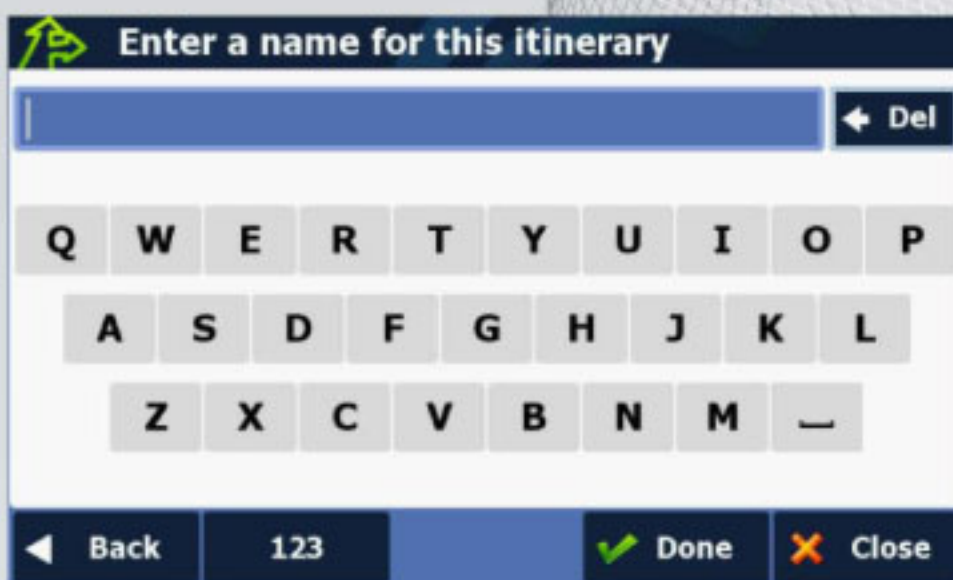
In this page, you can plan the details of your itinerary. For convenience sake, you can save your itinerary so that you can easily start traveling without any searching steps next time.



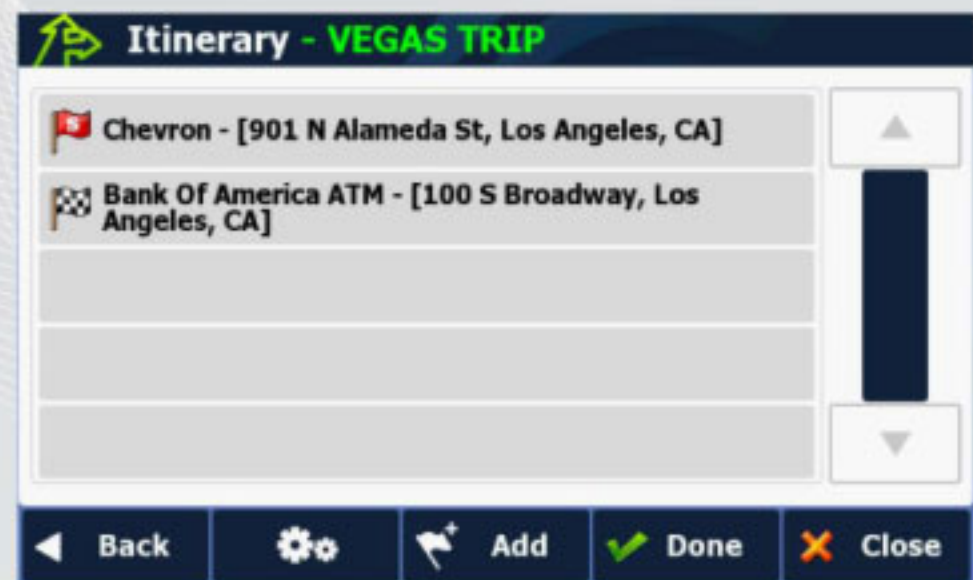
<Current Itinerary (Initially empty)>



<Itinerary Options>



<Itinerary name>



<Current Itinerary (Recently planned)>

Zip Code

Search for a location by using zip code.

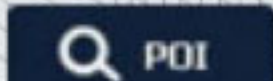
State/Prov: California [CA]	Change
Zip Code:	← Del
00049 (Acampo)	▲
90001 (Acton)	▼
<div>90</div>	
◀ Back	Close

1. Select 'Zip Code' on [Where to?] screen.
2. After searching zip code, proceed to the next searching steps [Street]-[House no.] or [Intersection]. (Refer to address search on page 23.)

Point on Map

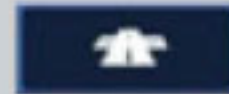
Searching for a location by pointing on the map.



- 1) Tap: Tap anywhere on the map and you will see the street address. Press the done button to set this location as your destination or via point.
- 2) Pan: Press and drag the map to pan in any direction.
- 3) Find a POI nearby the chosen point on the map by tapping find POI  button.

03. Main Function

(Instead of searching [House No.], searching by intersection is also possible. Tap this intersection image button



then, it will list intersections of the selected

street. Select one on the result list, then tap 'Done' button.)

Intersections

Searching for a location by using intersection.

1. Take the searching steps [STATES]-[CITY]-[STREET], then it will list intersection of selected street. Select one on the result list, then tap 'Done' button. (Refer to image screens on page 23 for searching steps.)

POI Telephone No.

Searching for a point of interest location by using Telephone No.

1. Select 'Telephone No.' on [Where to?] screen.
2. Search telephone number by typing numbers.
3. Tap one on the list that you are looking for, then it will list address information corresponding to the selected telephone number. Select one on the result list, then tap 'Done' button to proceed.



Address

Searching for a location by using address.

State/Prov: California [CA] **Change**

City: Riverside **Del**

Riverside, CA

Q W E R T Y U I O P

A S D F G H J K L

Z C V B N M _

Back 123 Close

<City Search>

State/Prov: **Del**

Alabama [AL]

Alaska [AK]

Q W R T Y U I O P

A S D F G H J K L

C V B N M _

Back 123 Close

<State/Province Search>

City: Riverside, CA

Street: MAR **Del**

Marathon Pl

Maravilla Dr

Q E T Y I O

A S G K L

C V B M _

Back 123 Close

<Street Search>

City: Riverside, CA

Street: Marcus Rd

House Number: 20 (20400-20599) **Del**

1 2 3 4 5 6

7 8 9 0 - _

Back Done Close

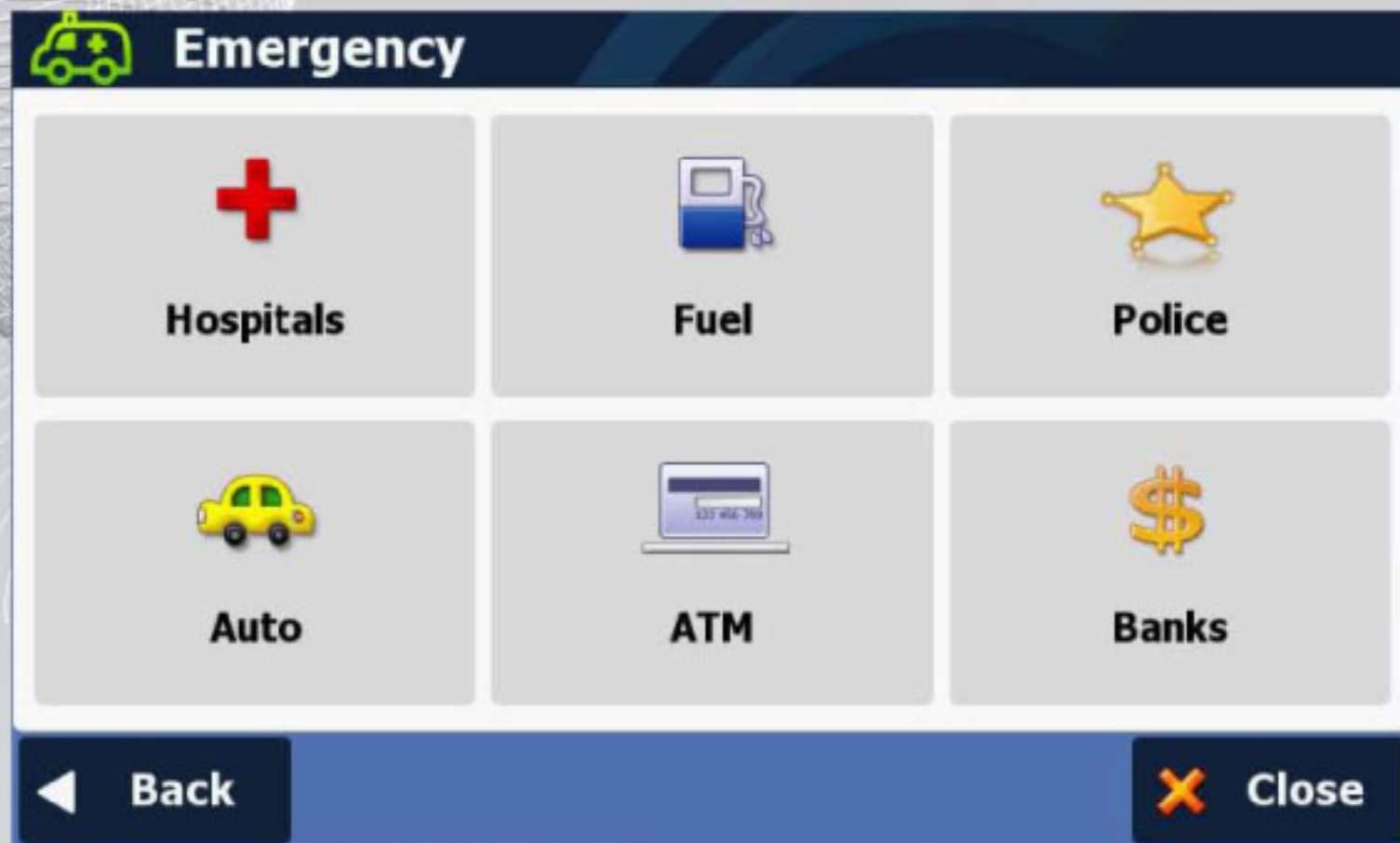
<House number Search>

1. Select 'Address' on [Where to?] screen.
2. For your convenience, previously searched state/province name and city name are initially selected **on the first stage of address search**. If you want to change state/province, tap [Change] button. For State/Province search, you can search by either the full name (e.g. New York), or abbreviation (e.g. NY).
3. Search for a city name by typing letters, Then choose it on the result list. (Only valid next letters appear.)
4. Search for a street name by typing letters then choose it on the result list.
5. Reconfirm your state/province, city, and street choices on the top of <House number Search> page, then type the House no. and tap 'Done' button.



Emergency

In case of an emergency, quickly search the nearest emergency point of interest (e.g. hospital) from **your current position without any complicated searching procedures**. It will then find a route and start guidance automatically.



Recent Destination

Searching for recent destinations, (Automatically saves up to ten destinations.)

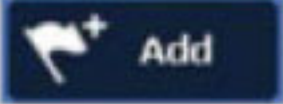


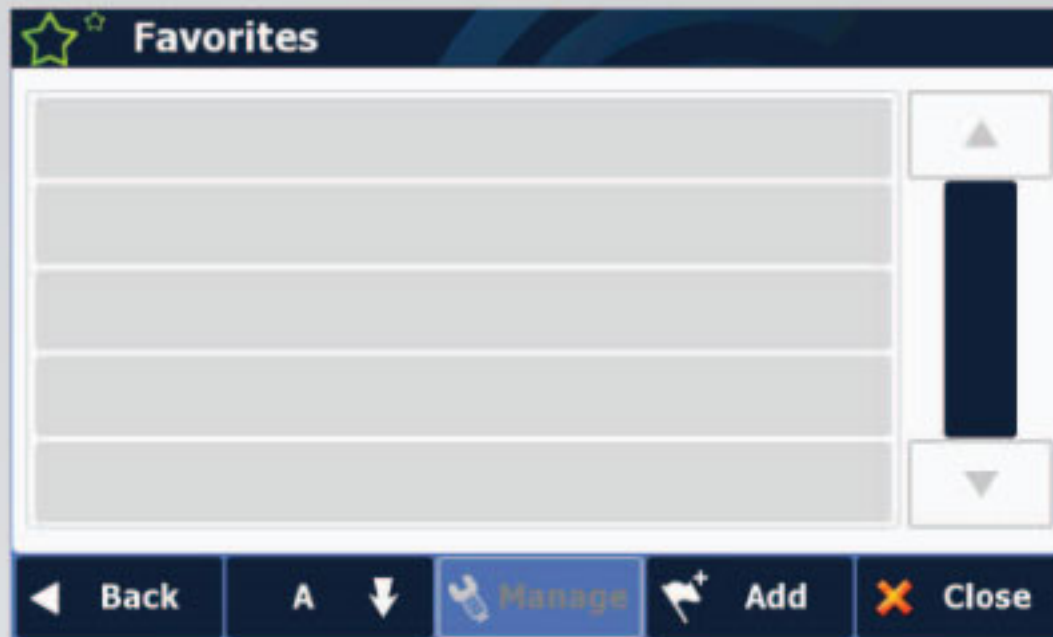
1. Select 'Recent Destination' on [Where to?] screen.
2. It will list recent destinations.
3. Select one of locations on the list then tap 'Next' button.


For sorting by name tap  . For sorting by time tap  .


Favorites

This function allows you to save addresses or Points of Interest (POI) that you frequently visit; for example, you may want to save your work address or friend's address so that you can quickly and easily navigate to it.

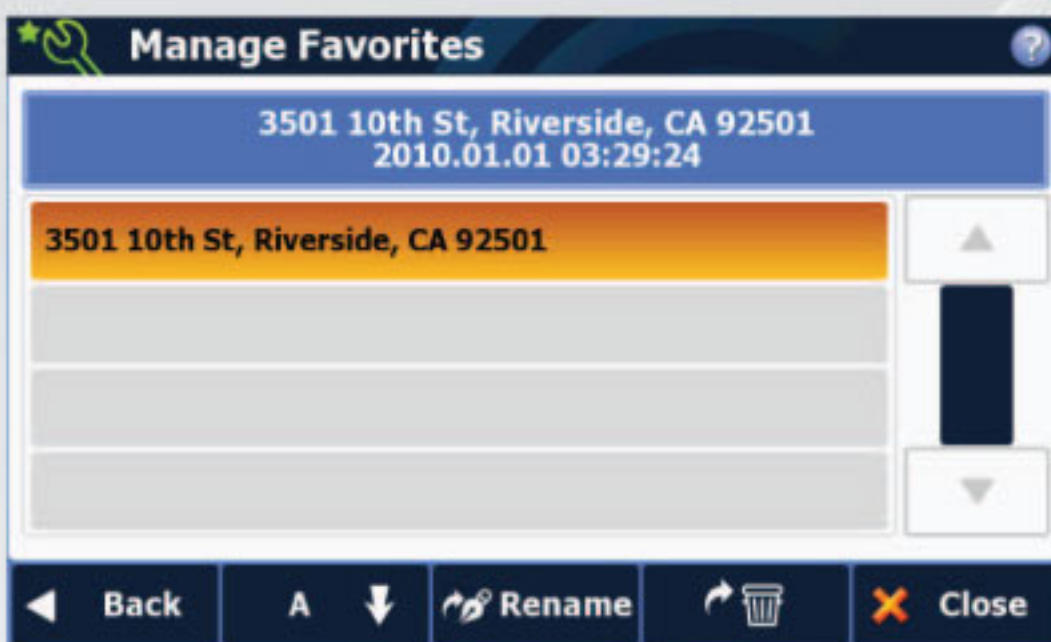
1. Select 'Favorites' on [Where to?] screen.
2. Press the  button to add a location to your favorite list.
3. To navigate to a favorite, simply tap on the favorite name.


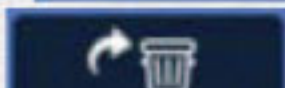


Select  to order existing favorites alphabetically.

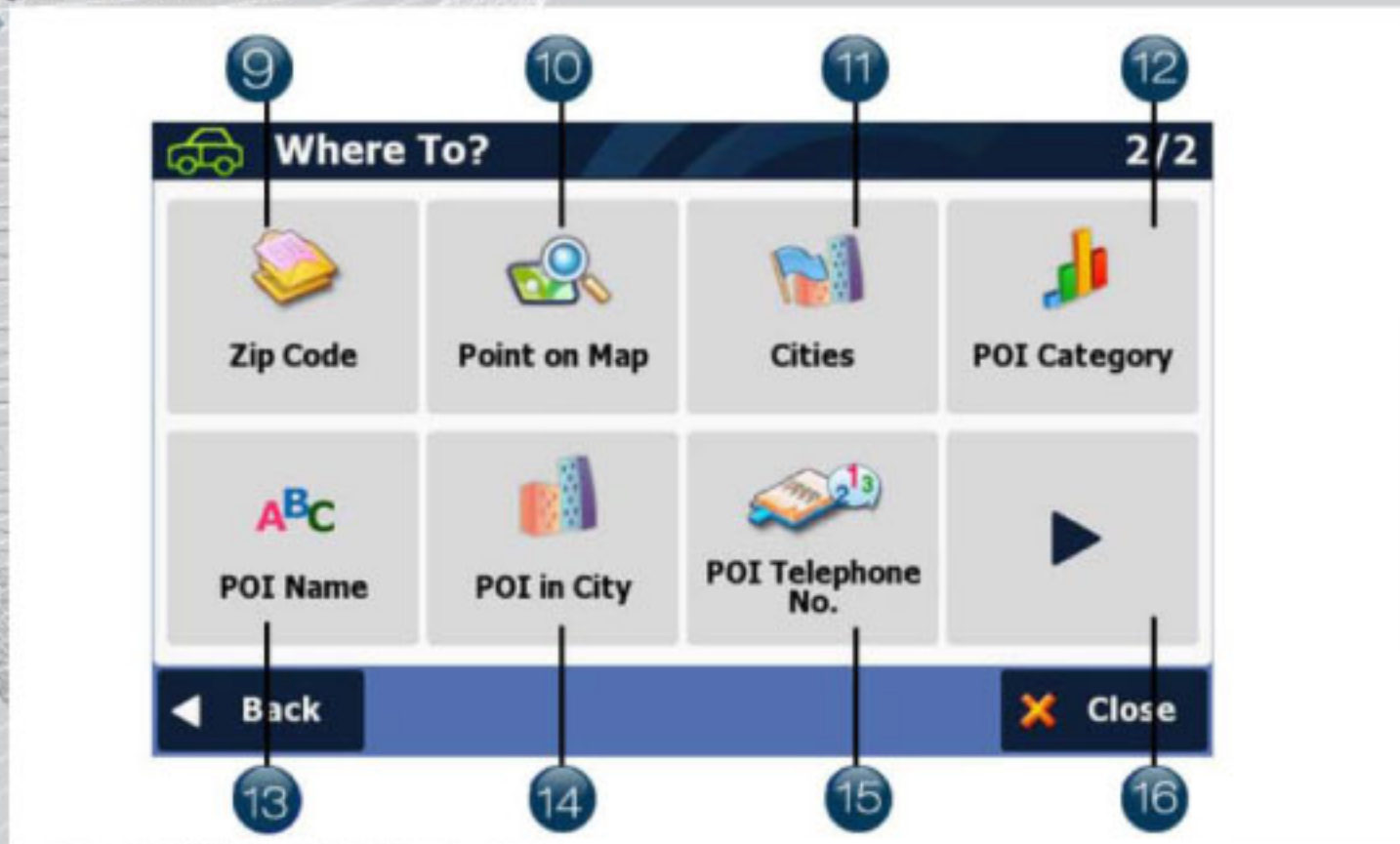
Select  to order existing favorites by the date / time of when you created the favorite entry.

4. Select the manage button,  to edit, rename or delete your favorites.



5. Press the rename  button to rename a favorite.
6. Press the delete  button to delete a favorite.

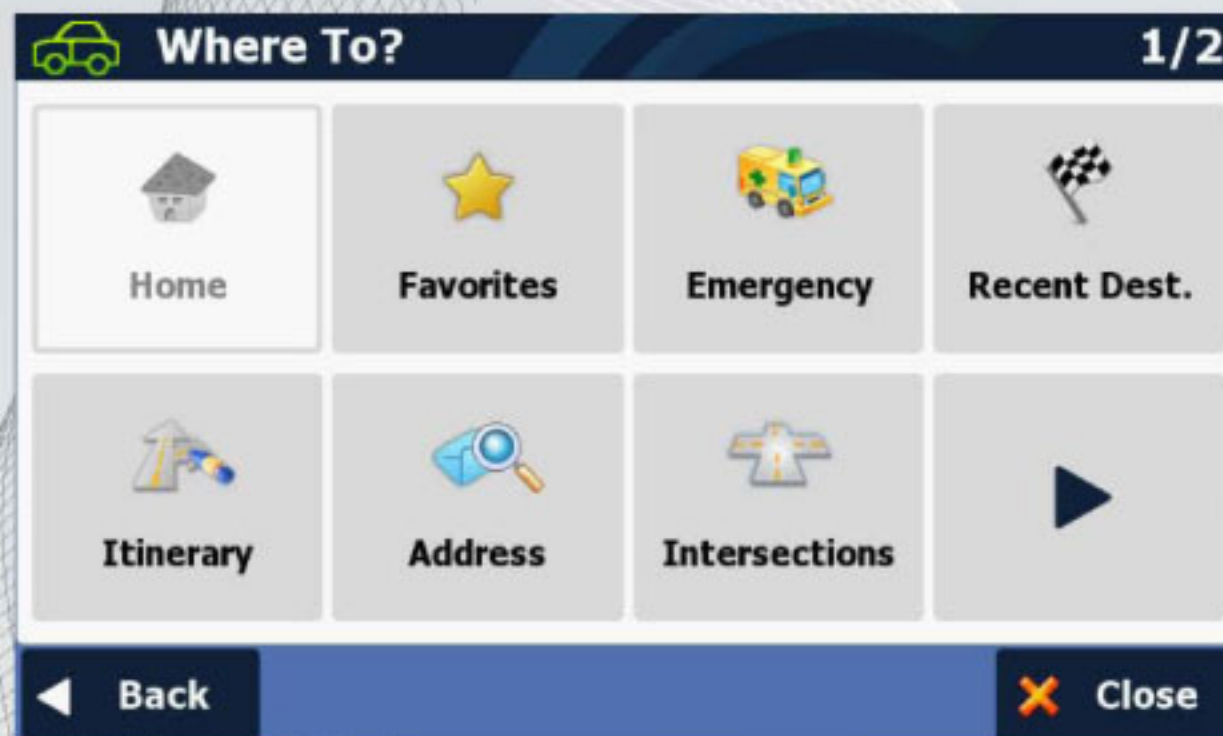
The [Home] favorite also appears in the favorite list. You can edit, change or delete the [HOME] location via [Menu]>[Settings]>[HOME].



- 09) [Zip Code] Searching for locations by zip code.
- 10) [Point on Map] Searching for locations by pointing on the map.
- 11) [Cities] Searching for locations by city name.
- 12) [POI Category] Searching for POI around your current position.
- 13) [POI Name] Searching for locations by POI (Point Of Interest) name or part of name.
- 14) [POI in City] Searching for a POI in a certain city.
- 15) [POI Telephone No.] Searching for locations by telephone no.
- 16) Back to page 1.

Home

This function allows you to quickly navigate to your home. You can also search for your home location via 'Favorites'.



Select 'Home' on [Where to?] screen.

This [Home] button will be activated if you registered your home location via [Add to favorites] explained on page 9 or [Settings]>[Home]. Only one place can be registered as the home location. You can change your home location via [Settings]>[Home] and also delete it via [Settings]>[Manage Favorites].

02. Menu

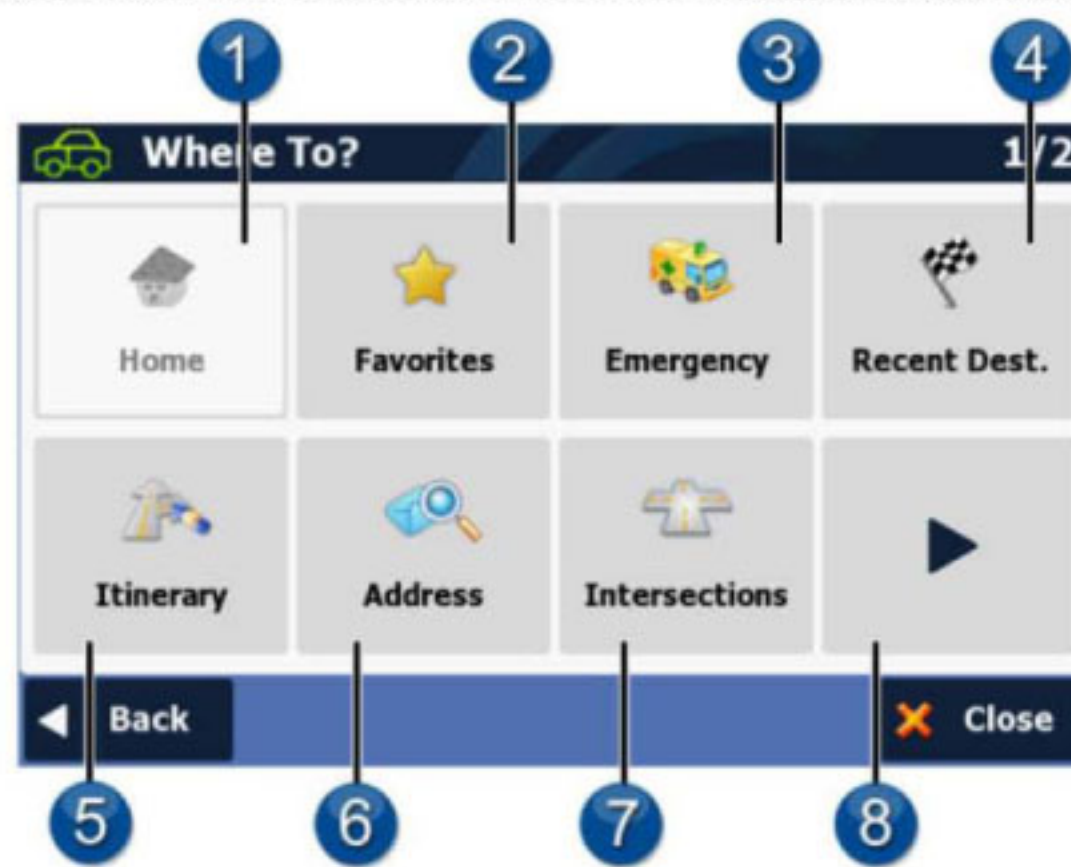
The main menu can be accessed by pressing the 'Menu' button on the map screen. Descriptions of each button are as follows:



- 01) [Where to?] Search for a location in various ways.
- 02) [My Route] Editing the current route or retrieving the current route information.
- 03) [Settings] Customizing settings of the navigation system.
- 04) [Clear route] Remove all existing locations from route.

a) Where to?

The following 'Where to?' screen is accessed by pressing the 'Where to?' button on the <Menu> screen. **Users can easily search for a location in different ways according to their purpose or preference.**



- 01) [Home] Searching for your home location saved on your favorites list.
- 02) [Favorites] Searching for locations saved to your 'Favorites'
- 03) [Emergency] In case of emergency, quickly search the nearest point of interest from your current position without any complicated searching procedures.
- 04) [Recent Destination] Presents a list of recently searched destinations.
- 05) [Itinerary] Create or edit itineraries.
- 06) [Address] Searching for addresses.
- 07) [Intersections] Searching for intersections.
- 08) [▶] Go to page 2.

b) Map screen features - Driving Guidance Mode

The screen image below shows the map screen features when in guidance mode. Descriptions of each item are as follows:



<Map screen features>

1. Zoom out: Zooming out from level 1 to level 21
2. Compass: By tapping this icon, you can change the map display mode.
To Track up, North up or 3D view. (Refer to Settings>Map View for more information)
3. Next street name
4. Lane Guidance
5. Zoom in: Zooming in from level 1 to level 21
6. Current street name
7. Turn-by-Turn instruction: Indicates next guidance information (Tap this icon to go to Turn-by-Turn screen)
8. GPS signal reception: Tap this icon to go to GPS Status/information page.
9. Current Speed
10. Current Time
11. Expected time to arrival at destination
12. Remaining travel time from current position to destination
13. Remaining travel distance from current position to destination (To go to Route Summary page, tap anywhere from 9-12)
14. Menu button: Tap to go to Menu
15. Map scale: Indicates current map scale level
16. Voice guidance repeat button: Repeats the last voice instruction
17. Picture in picture

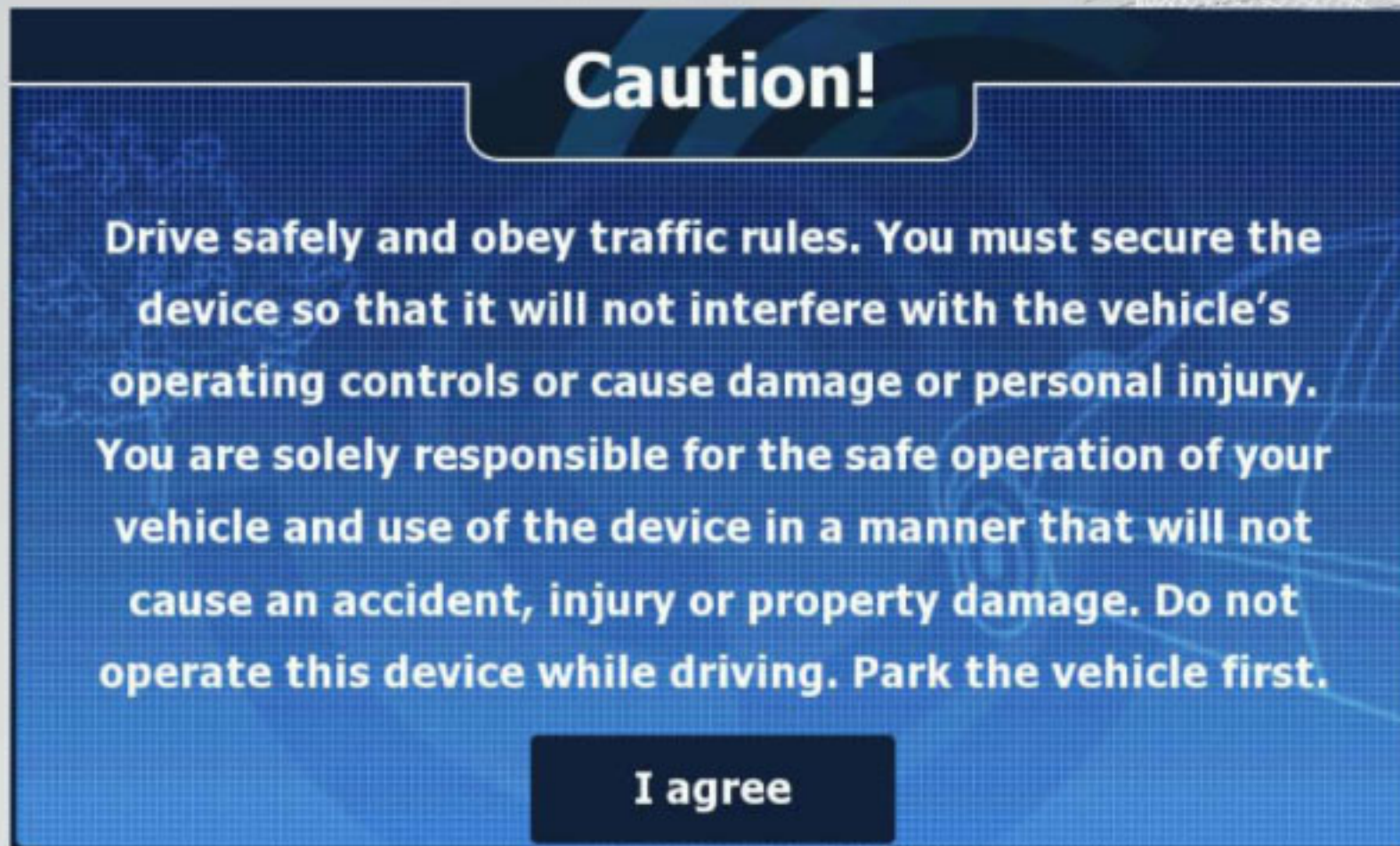


01. Basic Screen

a) Getting started. Initial Screen.

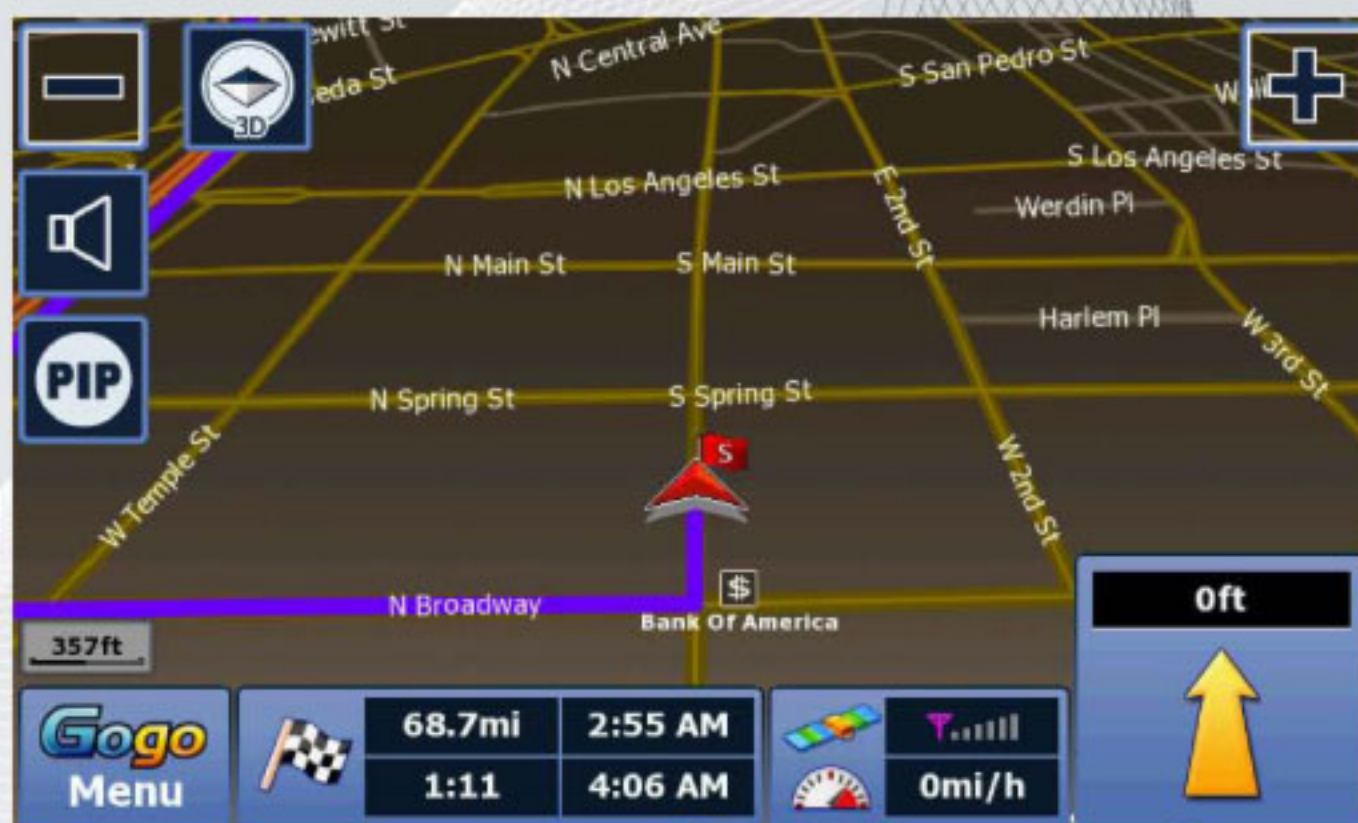
Navigation

< Declaration screen >

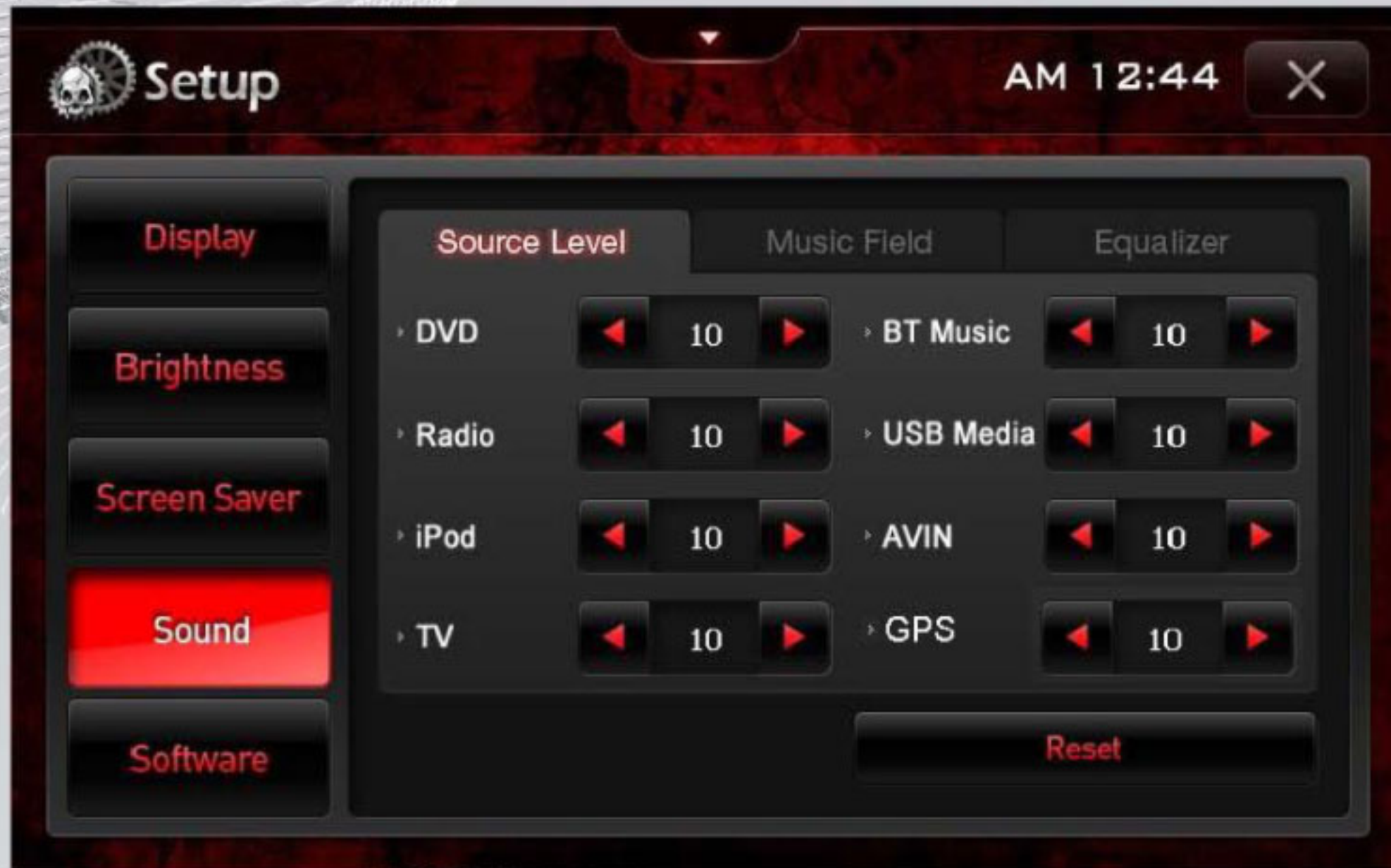


After Gogo starts, you will see the declaration screen as shown above.

< Map screen features - Normal mode >



The navigation system automatically locates your current position on the map by receiving GPS signals. If the navigation system doesn't receive GPS signals properly, it could take some time to locate your current position.



The Sound settings button will directly access the setup menu with sound options accessed. This is a quick link to allow the user to change sound settings with fewer steps. See page 101 for information on sound options



- The clock settings button will open the clock settings menu



- You can also change the color of the text on the Marquee to Red, Orange or Blue.
- The Home screen will be displayed with your statement

Pull down menu in Home Screen.



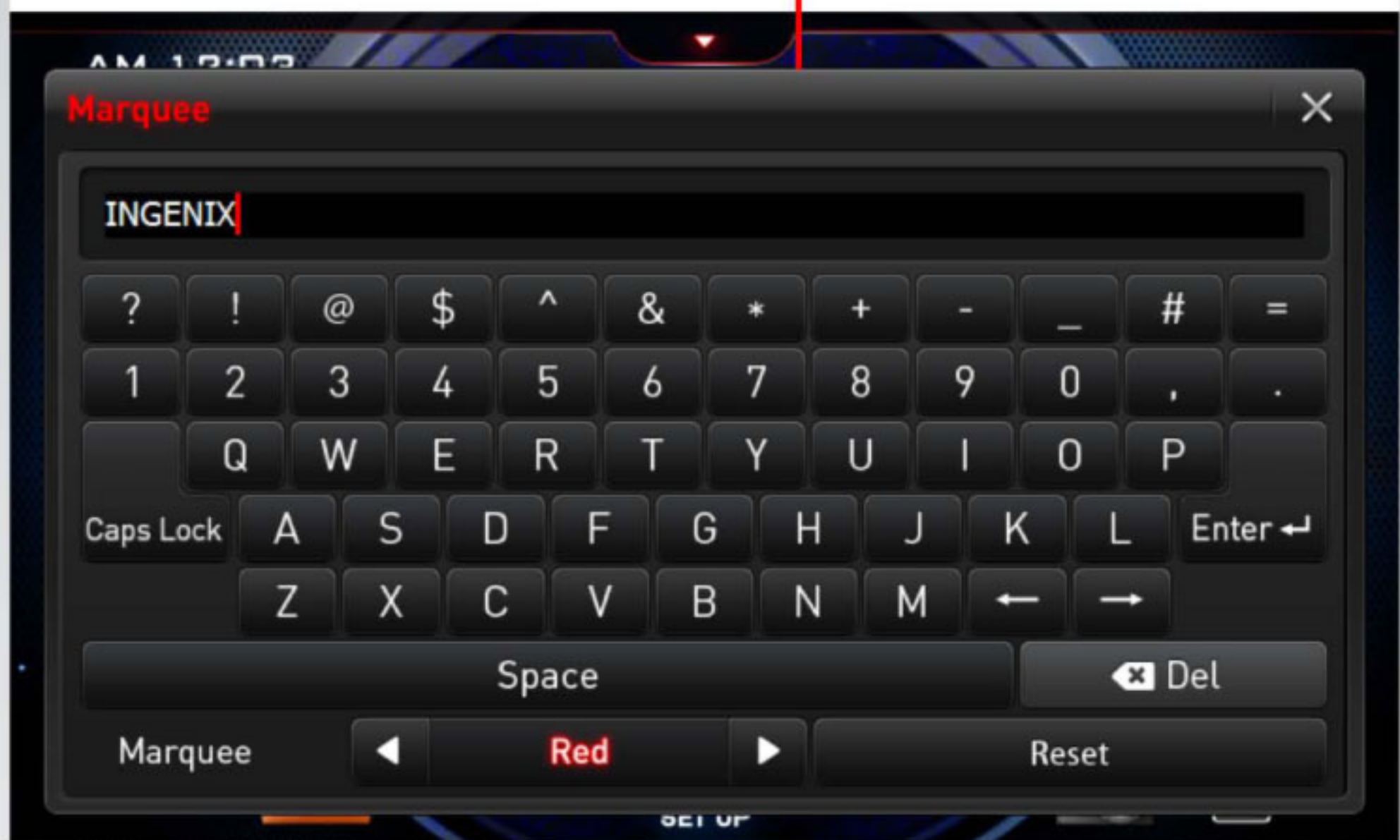
- | | |
|-----------------------------------|-------------------------|
| 1 Home screen button | 4 Clock settings button |
| 2 PIP (Picture in picture) button | 5 Sound settings button |
| 3 Brightness button | 6 Screen saver button |

Pull down menu

At the very top of the almost every source you will notice a small icon. This icon will access the pull down menu. The options in the pull down menu differ slightly from one source to another. See the section of the desired source for more information on functions of the pull down menu in that source.

- In this menu you can access six options.
- The Home screen button will return the system to the home screen from whatever source is active.
- The PIP button will open the Navigation source provided it has been started and the safety notice has been agreed to.
- *Note: The Navi PIP button has a slightly different effect in different sources. see instructions on each source for more information.*
- Brightness allows control over the brightness of the display. This icon also allows you to turn the screen on or off by this icon.

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- Touch the Marquee banner to access the keyboard.
- Type the desired statement then press the enter key.



Access to source unit options

The above picture displays the two main areas of the home menu. The lower section is the slider which can access any option of the radio with a simple swipe of your finger from left to right or right to left. To access the option it must be centered. Swipe the slider until you can see the option desired is in one of the five locations. If the desired option is not center simply touch the option and it will center. Once the icon is centered touch again to open the option.

Creating your quick access links

The second main area of the home screen is the quick access links in the upper section. Source options from the slider can be moved to the quick access links for quicker access to often used sources. A total of six source options can be placed in the quick access links. Follow steps below to add source options to the quick access links. The option from one section will always switch places. Ex. If Blue-tooth music is moved from the slider to the quick access links whatever option the Blue-tooth music source replaces will be moved to the slider where Blue-tooth music was located.

- To move source options to quick access links swipe the slider with your finger either left or right to locate the desired source option.
- With the option visible in any of the five locations on the slider press and hold the option with your finger and slide it up to the quick access location desired.
- Repeat this with all six quick access links to create your list.
- This can be changed at anytime in the future following the same steps.

Marquee banner

The Marquee banner can be customized to display any statement.

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Night screen



- 1 Quick Access Links
- 2 Clock
- 3 Marquee Banner
- 4 Slider Menu



Starting to use Ingenix

Ingenix is an advanced product. Take some time to read this manual and get familiar with your new Multimedia source unit. While Ingenix is quite intuitive this manual will help you better understand all the capabilities and features to help you get the most out of your purchase.

OPERATION:

Home Screen



Day screen



IP-5C :

iPod interface cable

This optional cable will allow direct control of your iPod displaying both audio and video on your Ingenix Source unit. The IP-5C will also keep your iPod or iPhone charged during use. See the compatibility list below to confirm support for your model.

iPod compatibility list:

iPod touch (4th generation)

iPod touch (3rd generation)

iPod touch (2nd generation)

iPod touch (1st generation)

iPod classic

iPod with video

iPod nano (5th generation)

iPod nano (4th generation)

iPod nano (3rd generation)

iPod nano (2nd generation)

iPod nano (1st generation)

iPhone 4

iPhone 3GS

iPhone 3G

iPhone

ATSC-MH Module:

TV Tuner

The ATSC-MH TV tuner module will allow crystal clear digital TV reception through your Ingenix Source unit.

Reverse view camera

Your Ingenix source has connections for a reverse view camera. This dedicated connection will display an onscreen rearview whenever the vehicles reverse gear is engaged.

REM-5:



Remote control:

The Ingenix remote control is available for you Ingenix source unit. The remote comes in very handy for control while driving as you do not need to take your eyes of the road to enter commands.



Cellular phone antennas should be kept a minimum of six inches from the LCD panel to prevent disruption of LCD video signals. This can cause colored strips, spots and other effects of this nature.

To protect the LCD panel be certain to touch the panel with only your fingers. Do not use any rigid or metal objects as they can damage the panel.

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, dampen the cloth with water only. Anything else has a risk of dissolving the paint or damaging the plastic.

Notice to viewers while driving:

It is dangerous (and illegal in many states) for the driver to watch TV/Video while driving a vehicle. Installing this product incorrectly enables the driver to watch TV/Video while driving. This may cause a distraction, preventing the driver from looking ahead, thus causing an accident. The driver or other people could be severely injured.

What's included:

Package Information

Accessories Name	Qty
GPS Antenna	1
Power Cable	1
Warranty Card	1
User Guide	1
Mounting Sleeve	1
Trim Ring - 1	1
Trim Ring - 2	1
Plain Washer	1
Spring Washer	1
Mounting Strap	1
Screw 1	4
Screw 2	1
Screw 3	1
Nut	1
Rubber Cushion	1

Expansion options:

Your new Ingenix multimedia source unit is capable of many features as you will read about through this operation manual. There are also additional options that can be added. See the options below and contact your nearest Ingenix Authorized dealer for more information.



Warnings:

INSTALL THE PRODUCT CORRECTLY SO THAT THE DRIVER CANNOT WATCH TV/VIDEO UNLESS THE VEHICLE IS STOPPED AND THE EMERGENCY BRAKE IS APPLIED.

It is dangerous (and illegal in many states) for the driver to watch TV/Video while driving a vehicle. Installing this product incorrectly enables the driver to watch TV/Video while driving. This may cause a distraction, preventing the driver from looking ahead, thus causing an accident. The driver or other people could be severely injured.

DO NOT WATCH VIDEO WHILE DRIVING.

Watching the video may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA.

This product is not a substitute for your personal judgment. Any route suggestions by this system should never supersede any local traffic regulations or your

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

KEEP SMALL OBJECTS SUCH AS BATTERIES OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

DO NOT PLACE HANDS, FINGERS OR FOREIGN OBJECTS IN INSERTION SLOTS OR GAPS.

Doing so may result in personal injury or damage to the product.

LCD Care:

Avoid exposing the LCD panel to direct sunlight for prolonged periods of time. Extended exposure can result in premature failure due to temperature outside normal operation limits. +45°C (+113°F) and 0°C (+32°F)



RESET

Press and hold the Reset button for 3 seconds to reset.



MIC

FCC COMPLIANCE STATEMENT:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.



Introduction:

Ingenix is an advanced media platform capable of Lightning fast processing, picture in picture or split screen information display, Blue-tooth hands free calling and Blue-tooth music playback, GPS navigation and much more. Many of the features of Ingenix have never been available for in car use until now. Ingenix was designed to anchor your vehicle's entertainment system along with the convenience of GPS navigation and the safety of a rearview camera. Ingenix offers everything you need and desire.

READ BEFORE USE:

Please make certain that all persons using this In-dash system carefully read these precautions and the following instructions fully.

- Read this manual carefully before using this system components. They contain instructions on how to use this product in a safe and effective manner.
- This product is not a substitute for your personal judgment. Any route suggestions made by this navigation system may never supersede any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.
- Glance at the screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, pull over in a safe and legal manner and location.
- Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor and/or remote control while you are driving. Pull over in a safe and legal manner and location before attempting to access the system.
- Do not use the navigation system to route you to emergency services. Not all locations of emergency services such as police and fire stations, hospitals and clinics are contained in the database. Please use your own judgment and ask for directions in these situations.
- The map database is designed to provide you with route suggestions and does not take into account the relative safety of a suggested route or of factors which may affect the time required to reach your destination. Use your own personal judgment if the navigation system is unable to provide you with an alternate route.
- There may be situations where the navigation system displays the vehicle's location erroneously. Use your own driving judgment in this situation, taking into account current driving conditions. Please be aware that in this situation the navigation system should correct the vehicle's position automatically. However, it is possible you may have to correct the position yourself. If this is the case, pull over in a safe and legal manner and location before attempting operation.
- Make certain that the volume level of the navigation system is set to a level which still allows you to hear outside traffic and emergency vehicles (see navigation operation page 59.)
- This product's rated input voltage is DC 12V. Please check your vehicles electrical system before use.
- Radio reset: this should only be used if the product fails to operate properly.



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