



# *WorldNav*

## Software User Guide

## **WorldNav Navigation Software**

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# 1 Introduction

## 1.1 Disclaimer

Use the WorldNav at your own risk. To reduce the risk of unsafe operation, please carefully review and understand this user manual.

It is the user's responsibility to use this product prudently. This product is intended to be used only as a navigational aid and must not be used for any purpose requiring precise measurement of direction, distance, location, or topography. Statistics provided such as trip time are best estimates and may not accurately reflect true conditions.

The Global Positioning System (GPS) is operated by the United States Government, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment.

For use in vehicles, it is the sole responsibility of the owner/operator of the TeleType GPS WorldNav to place and secure the GPS unit so that it will not interfere with the vehicle operating controls and safety devices, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident. Do



**Part**

not mount the TeleType GPS WorldNav in a place where the driver or passengers are likely to impact it in an accident or collision. The mounting hardware supplied by TeleType Co. is not warranted against collision damage or the consequences thereof.

When used in vehicles, it is the sole responsibility of the driver of the vehicle to operate the vehicle in a safe manner, to maintain full surveillance of all driving conditions at all times, and not become distracted by the GPS system to the exclusion of safe driving practices. It is unsafe to operate the controls of the GPS system while you are driving. Failure by the driver of a vehicle equipped with a TeleType GPS system to pay full attention to operation of the vehicle and road conditions while the vehicle is in motion could result in an accident or collision with property damage and personal injury.

IN NO EVENT SHALL TELETYPE CO BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

## 1.2 Welcome



Congratulations on your purchase of a WorldNav GPS! This document will provide you with information on how to use the GPS software. Please refer to the GPS hardware user guide for information regarding the GPS device. A product overview and tutorial movies are provided on the memory card which help prospective and current customers to use and understand the navigation system. To be informed of program and map updates please register at [www.teletype.com/register](http://www.teletype.com/register)

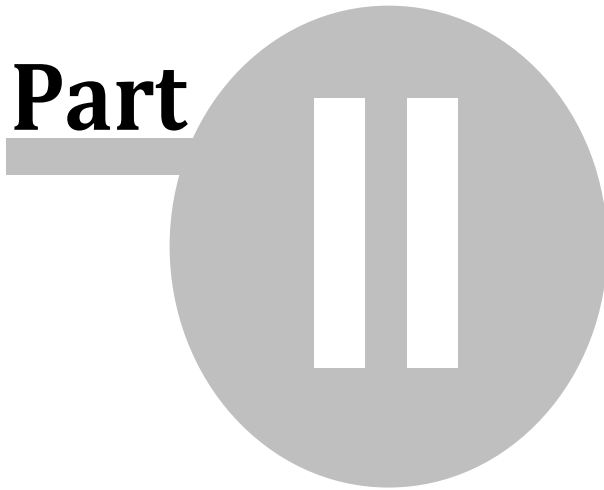
Please note that the software functionality is the same for all WorldNav devices regardless of screen size. The pictures in this guide may appear differently from your screen based on which device you are using. This guide is based on Version 10 of the WorldNav software. Furthermore, the guide reflects the WorldNav trucking software. The software can also be used for car navigation and pedestrian use.

## 2 Getting Started

### 2.1 Terminology

- **Position Fixed** - a sufficient number of GPS satellites in view to indicate your real time position. Also referred to as "locked in".
- **Way Point** - A position marker that can be used to help create a multiple point route or to mark a position for future reference. Also referred to as a "My Point" or "Via Point".
- **Memory Card** - Some WorldNav systems are equipped with a memory card for storage of maps and software and may also be able to store entertainment files such as music and movie files.
- **Tools Icon** - returns you from the Navigation Mode into the Map Mode. Will appear as a red arrow when in Navigation Mode.

Part

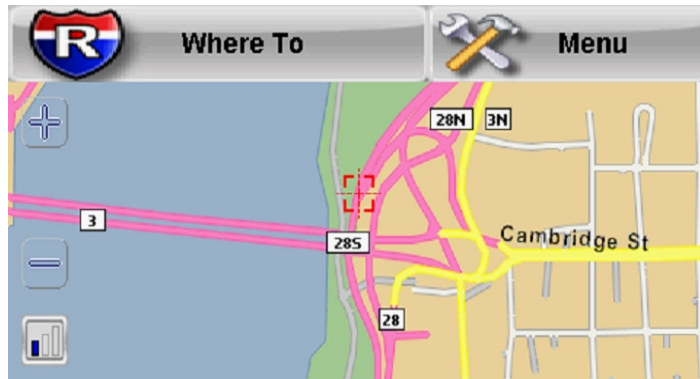


## 2.2 Quick Start Guide

TeleType offers commercial truck drivers the ability to specify the characteristics of the vehicle and type of load being carried in order to provide suitable routing taking into account road restrictions such as bridge clearances, load limits, dangerous turns, hazmat, and more. If you have purchased a device which offers the commercial truck routing feature, you can follow the information below to learn more about the features designed for truck drivers. For complete details on how to enter addresses continue reading this user guide. The GPS navigation devices are available in three screen sizes, 7 inch, 5 inch and 3.5 inch (measured diagonally). The GPS software operates the same way on all three devices.

1. Attach your GPS system to the windshield by putting the suction cup on the window. It is best to allow the device to rest on the dash (while also mounted to the windshield) so as to minimize the possibility of damage to the device or mount.

2. Turn the device on, press the **<Navigation>** button.
3. Press the **<I Agree>** button to begin using your GPS.
4. The WorldNav GPS will automatically lock into your current position provided that the device has clear view of the sky; no configuration is required. The GPS will know your direction of travel once you begin to move.
5. If the GPS has not yet locked into position, you will see **<Where To>** and **<Menu>** at the top of the map screen. The map will display the last known position centered into the target area. Press **<Where To>** on the screen to create new route.
6. Notice the bright pink lines on the map indicating restricted roads for trucks. When you are in any of the truck routing modes, the GPS will attempt to avoid these areas.



Restricted Roads Shown in Pink Color

- To learn more about why the road is restricted, place your target point over the pink road and press **<Menu>** then press **<Info>** or tap in the middle of the red crosshairs. The display will provide restriction information for that point. In the example below, the restriction is due to height restriction of 11' 0". (See Section 5.4)



Restriction Information

- When entering addresses, the GPS will first prompt you to enter the state (you can spell the state or the abbreviation). The next screen is used for entering the city, the third screen is for entering the house number (leave blank if you do not know the street). Press **<Next>** and enter the street name (leave blank if unknown). See details earlier in the user guide under "Getting Started" (Section 2.5). Note that if the street name contains a number such as 61st Street, you can toggle the **<ABC>** button to become **<123>** so that you can enter the number.
- Enter your destination by Address, Intersection or Service (a chain Truck Stop such as Loves, Flying J's, Pilot or Petro, as well as independent truck stops). Note that intersections are only for use with local roads; they are not intended for use in finding Exits on highways.
- Once the route has been created, the GPS will display the route from your current location to the selected location.

11. When the GPS is locked into position you will hear "GPS ready to navigate." You will also see your position on the map indicated by the big red arrow. The **<Where To>** and **<Menu>** buttons will disappear.
12. To hear a repeat of the upcoming navigation instruction, tap the upper right hand portion of the screen.
13. Note that routing and re-rerouting may take longer than expected if you are familiar with other GPS systems as this system is analyzing over 350,000 miles of truck restrictions before creating the route.
14. Updates are performed by exchanging your current memory card for a new memory card which will contain any updates in maps and software to keep your GPS unit current. In some cases, depending on the GPS model, updates can be accomplished via internet download.

## 2.3 Preferences and My Points Transfer

The WorldNav GPS allows you to import your stored GPS data points from older WorldNav software for use with your new software. To import these points, insert your new memory card. On the "I Agree" screen, tap the memory card icon in the bottom left corner (as shown below) and follow the on-screen instructions.



Tap the Memory Card Icon

## 2.4 Main Menu Review

The WorldNav Main Menu is accessed any time you press the **<Menu>** button on the touch screen. There are thirteen entries on the Main Menu which are spread out over three screens. To advance to the next screen, press the right arrow icon found on the bottom right of the screen (as seen in photo below). Likewise, to go back to a menu, press the left arrow icon found on the bottom of the screen.



- **Find**— lets you access the Find Wizard, situated on two separate screens, in which you can locate an Address, Services, Home, Intersection, listed My Points, or view your Find History.
- **Info**— provides information on your current

location as well as easy access to program version number.

- **My Points**— allows you to mark or manage your My Points (favorites) and set your Home address.
- **Route Menu**— lets you access the Route Menu, situated on two separate screens, in which you can view a route, create a new route, clear an existing route, start a simulation route or select route settings where you can indicate your preference of Quickest Route, Shortest Route, Avoid Highways or Truck Route. (Details in Section 4.1)



- **Map Settings**— gives you the ability to personalize your map. You can choose the map

theme, the Nav Cursor, map dimension, and much more. (Details in Section 5.1)

- **Units**— lets you choose to navigate in either English or Metric units.
- **Services**— allows you to display services appropriate for your GPS model such as Restaurants, Hotels, Gas Stations, Truck Stops, CAT scale locations and Rest Stops.
- **Day/Night**— switches from a night screen to a day screen and vice versa to allow for improved visibility.



Menu Screen Three

- **Trip Stats**— displays trip statistics such as total time, distance traveled and current speed.
- **Voice**— allows you to change the voice and language of the WorldNav.

- **Nav Panel**— lets you set two identifying panels on your navigation screen including distance to go, speed, odometer, satellite info and arrival time.
- **GPS Status**— provides GPS information such as latitude, longitude, elevation, speed, heading, date/time and strength of satellite signal.
- **Application Exit**— provides easy access to other applications.

## 2.5 Navigation Overview

Now that you are familiar with WorldNav features you are ready to begin navigating. When you turn on your device the GPS will search to acquire satellite signal. Once you have locked into the signal you can simply press **<Where To>** and enter a destination (either by address, service or other desired option) to navigate from your current location. If you are indoors or unable to pick up a satellite signal, you may want to set your home address manually. You can also create routes by entering start and end addresses for later use.

When you are driving, the screen will display your location en route and you will be given voice instructions for when and where to turn as well as a **Lane Assist** feature indicating which lane to move to for your upcoming turn. State borderlines are displayed on the screen which allow you to more easily document crossing state lines. Your destination will be indicated on the map with a checkered flag. Once you have reached your destination the route will be cleared and will be ready to navigate to your next destination.

## 2.6 Map Mode

The WorldNav software allows you to switch between Navigation and Map mode. You will automatically be in Navigation mode when you travel with the GPS locked into position. If you choose to browse the map, simply touch the screen anywhere on the map area, and you will then see a plus and minus symbol which will allow you to zoom in and out. You can use your finger to drag the map in any direction as desired. Road colors will vary based on the type of road. For example, in Day Mode, the colors of the roads are as follows:

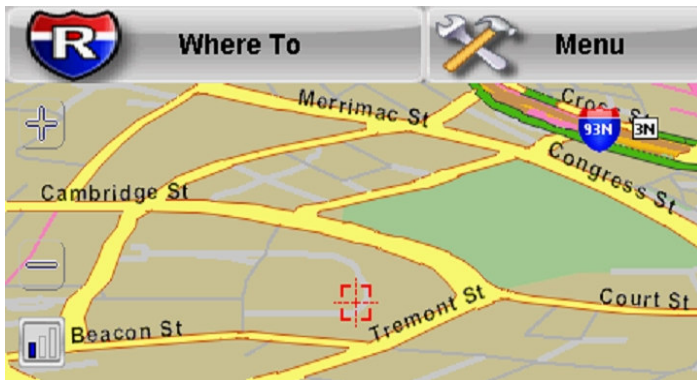
- **Gray** - Residential
- **Yellow** - County or State
- **Orange** - Highway
- **Green** - State Preferred Truck Route
- **Pink** - Truck Restricted Road

When you see "Where To" and "Menu" on the screen that means you are in Map mode. If your GPS is locked into position you can touch the red arrow (tools icon) on the bottom left of the screen to get back to the navigation mode.

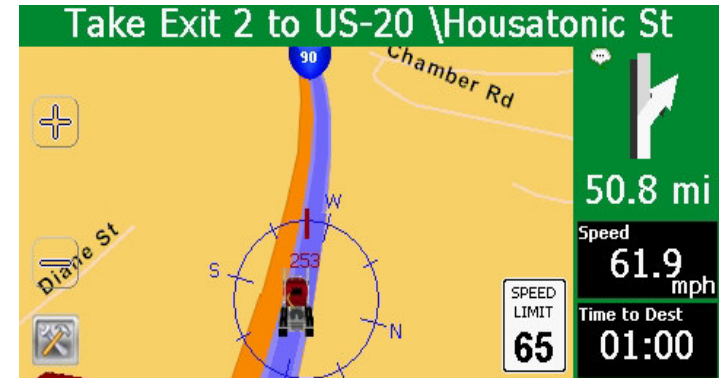
When the "Where to" and "Menu" buttons disappear it means you are in Navigation mode and the map will automatically orient in the direction of travel. The following pictures show Map Mode and Navigation Mode with a route in progress.

The Nav Panel colors will vary based on type of road. The colors are as follows:

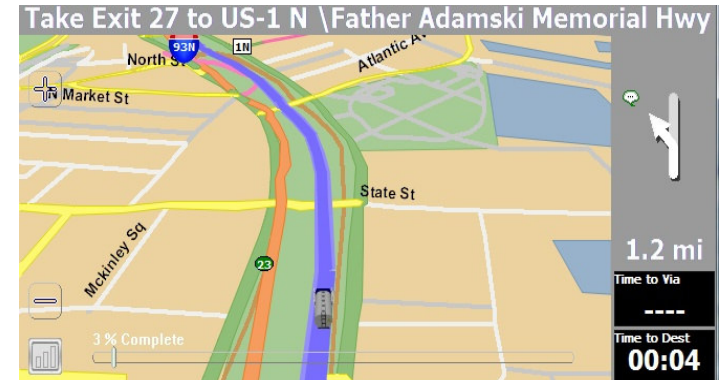
- **Gray** - Lost Signal (such as a tunnel)
- **Red** - Restricted Area (get out!)
- **Green** - Navigation Mode
- **Blue** - Simulator Mode



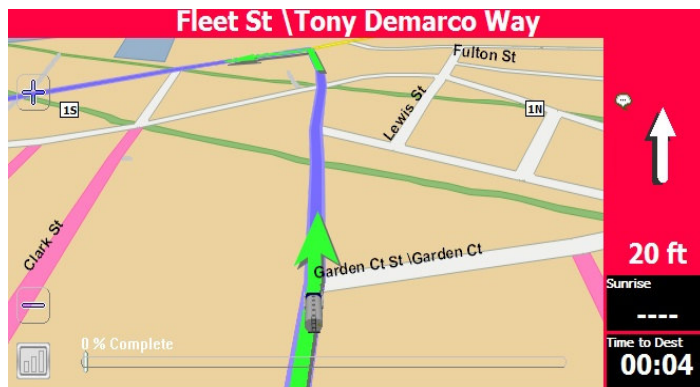
Map Mode



Navigation Mode (Green)



Lost Signal (Gray)



Restricted Area (Red)



Simulator Mode (Blue)

## 2.7 Set Home Address and Route to an Address

When you travel away from home it is convenient to be able to route "Home" easily. You need to set your home address by pressing **<Menu>** then **<My Points>** then **<Set Home>**.



My Points Menu

Here you will have the following choices:

- **By Address:** Allows you to manually enter in physical address. *Ex: 44 School St., Boston, MA*
- **By GPS Position:** Marks "Home" at your current location (Satellite signal must be fixed)
- **By Map Position:** Sets home at the location that is displayed on the screen

- **By My Points:** Select a saved My Point as your home
- **By History:** Allows you to select an address from your User History



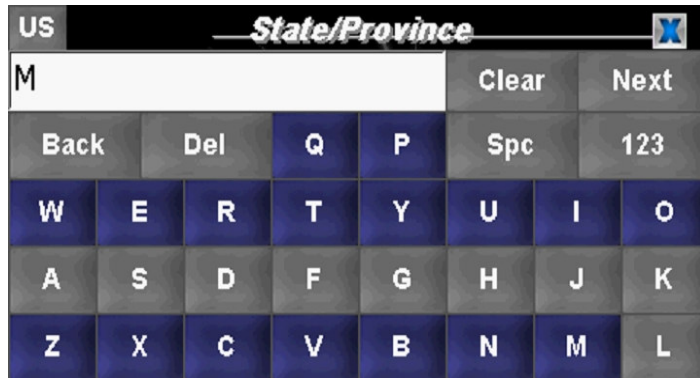
Set Home Address

1. To route to a specific address, press **<Where To>** on the main mapping screen, which will take you to the Find Wizard Menu. You will be prompted to select one of the following: Services, Address, Home, Intersection, History or My Points. Select **<Address>**. Note: You can also get to the Find Wizard Menu when you press **<Find>** in the main menu.



Find Wizard Menu

2. You will now be asked to enter the address of your destination. The WorldNav is equipped with Smart Search Technology which will automatically generate possible states, cities and street names based on the first few letters of your entry. The following example illustrates an address search from "Home" (44 School St., Boston, MA) to 90 Beacham St\New England Produce Center, Chelsea, MA.



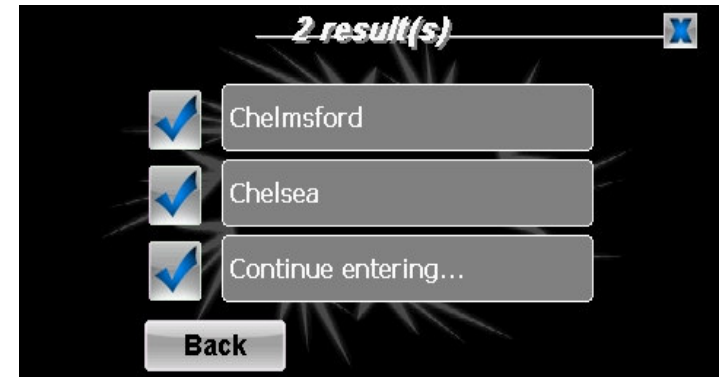
Start to Enter State



Select from Possible States



Start to Enter City



Select from Possible Cities

House Number

Start to Enter Street Name

Select from Possible Streets

Note: To select a result, simply touch the check mark icon next to your selection.

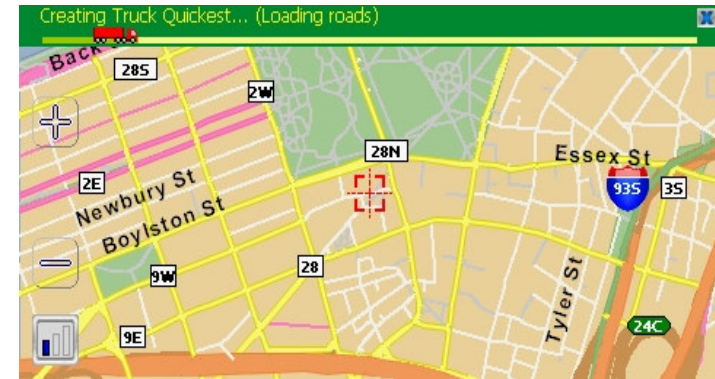
- The WorldNav software will generate search results based on your entry. Select the correct location by touching the appropriate check mark and it will recognize this as your Home Address.

Select Address

4. The Start Address will automatically display your current location. If you would like to modify your route at this point, you can touch the magnifying lens icon located to the left of the End Address. This will take you back to the Find Wizard where you can enter a new destination. Once your desired End Address is displayed, press **<Create Route>**.



Route Start and End Addresses



Creating Route

5. Drive. The GPS will prompt you at turns and you can choose which information items you would like displayed on the Navigation Panels. You can also see the turn by turn maneuver list by pressing **<Route Menu>** and then **<View Route>** then **<Details>**.



View Route Results

Note: Globe in the center of the screen displays entire route.



Route Details

To cancel a route while creating, tap the "X" in the top right of the screen as seen below.



Cancel Route

## 2.8 Finding or Routing To an Address

Your WorldNav GPS has an enormous address database which enables you to route yourself from your current location to nearly any address on the map.

1. There are two ways to route to or locate an address: press **<Menu>**, then **<Find>** to access the Find Wizard or press **<Where To>**, then **<Find>**. The following steps remain the same.

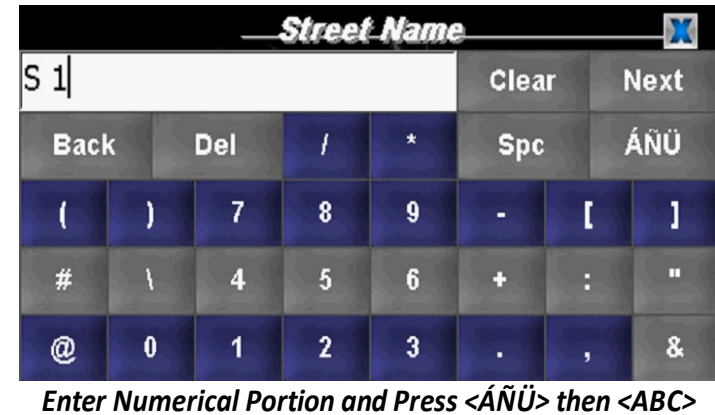


Find Wizard Menu

2. Press the **<Address>** button. You will be prompted to enter an address in the usual fashion beginning with the state. The *Smart Search* feature will generate results for each

component of your address entry based on the first few letters you type. If the choices do not match your desired address, select **<Continue entering...>**

- For street names that include direction (N, S, SE, NW, etc...) and/or numbers, (5th Ave, 32nd St, etc...), you will need to switch between the alpha and numerical keyboard displays. This can be done by pressing the **<123>** and respective **<abc>** key once. As an example we will look up *918 S 1st Ave, Coatesville, PA*. The screens below show the street and number lookup sequence. The state and town have already been entered.





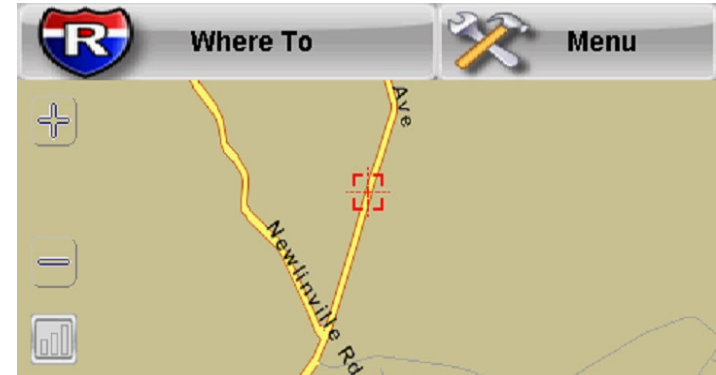
Street Entry



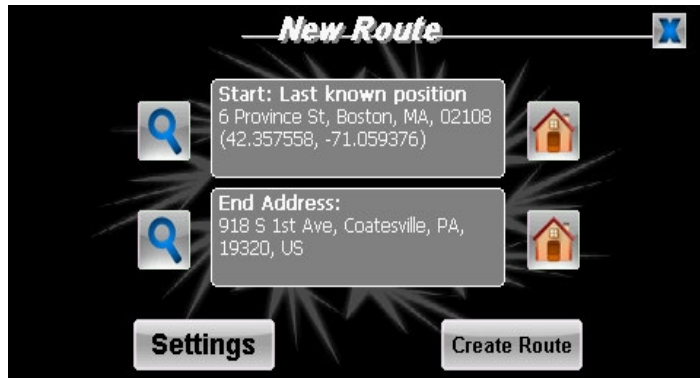
Select Street Name or Continue Entering...



Select Address



Target Indicates the Address Location



Route to Address

- The GPS defaults to searching for U.S. addresses, however, if you have purchased a TeleType product which offers multiple countries, you can select the country by following the instructions below. For example, you can search for Canadian addresses by beginning your search the same way as searching for a US address (Steps 1 + 2).



Press "Address" in the Find Wizard

- Click the <US> in the top left corner.



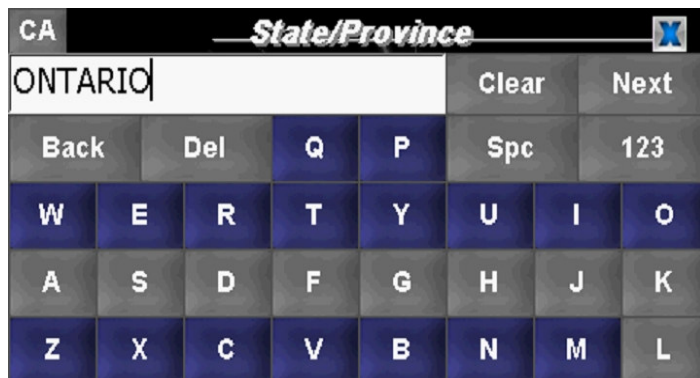
Use the "State/Province" Screen to Change Country

- Using the white selection arrow (left or right will work), select <Canada> and press <OK> in the bottom right corner.



Select Country

7. Enter the Province, City, Street, and Number as desired.



Continue Entering Province Information

## 2.9 Routing to an Intersection

This allows you to create a route to a street intersection if you do not know the exact address of where you are going. Intersections refer to streets only. The intersection feature cannot be used for highways or freeway intersections (exits).

1. Press the **<Menu>** button and then the **<Find>** button.



Main Menu and Find

2. Use the right arrow icon to scroll to the second screen and then press the icon labeled **<Intersection>**. Note: In this illustration the WorldNav will locate the intersection of *Beacon Street* and *Park Street* in Boston, MA.



Find Wizard Menu

3. You will be prompted to enter the first street name. Make your selection by touching the check mark next to the street name in the list of possible streets. Enter second Street name.

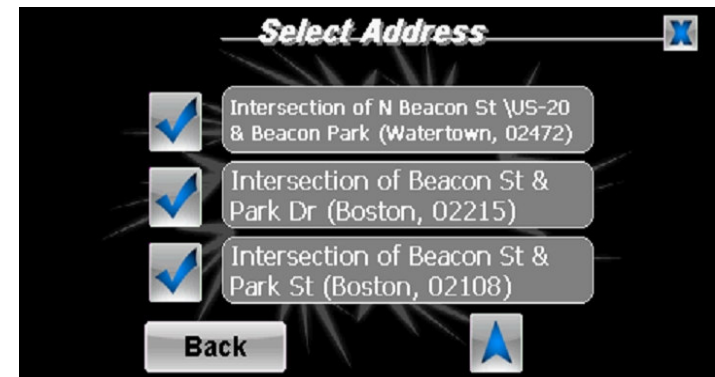


Selecting First Intersection Street



Entering Second Intersection Street

4. Select the correct intersection.



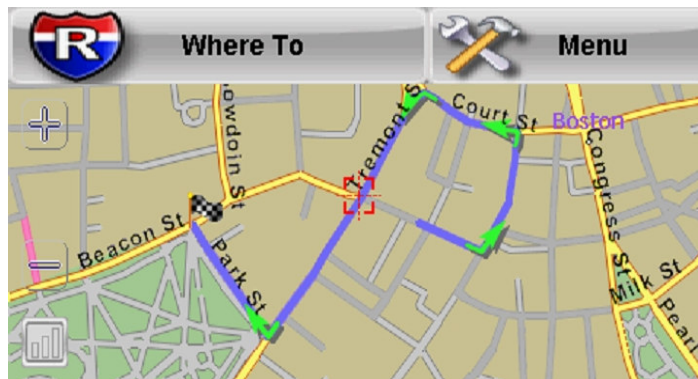
Select Correct Intersection

5. You can now display the route to this intersection from your current location by pressing **<Create Route>**. You will automatically be taken into driving mode and guided to your destination. If you would like to

view the route you can select **<View Route>** from the Route Menu at any time.



Create Route Details



View Route

## 2.10 Routing to a Business or Service (POI)

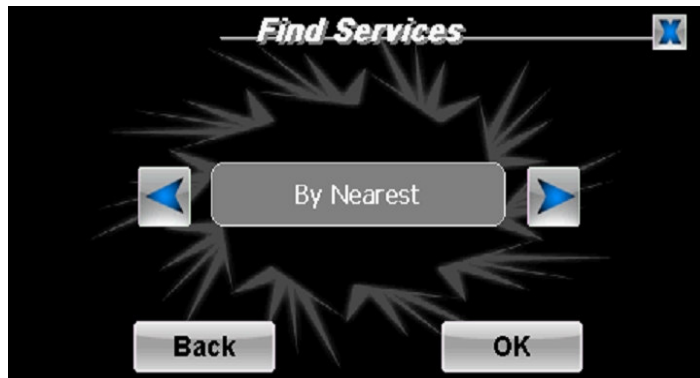
Your WorldNav GPS comes with an extensive Points of Interest database, enabling you to locate truck stops, rest areas, CAT scale locations, businesses and much more without the need for an address. These points are referred to as "Services". Truck Stops, Gas Stations and Restaurants are searchable by brand name, resulting in faster and easier access to desired location. You can also route to an increased number of Rest Stops, which are now available in a separate category.

1. Select **<Where To>** and then **<Services>**.



Find Wizard

2. You can now touch the right and left arrow icons in order to select your service search option. You may choose from **<By Phone Number>**, **<By Nearest>**, **<By City/Town>**, **<Along Current Route>**, or **<By Zip Code>**. **<Along Current Route>** works only when there is a route entered. When your preferred route option is displaying in the text field, press **<OK>**. Note: The **<By Phone Number>** search option will only generate results for the Premium and Truck WorldNav Models.



Services Search Option Screen

3. Select **<By Nearest>** for the purposes of this tutorial. Use this when you do not know the address or need to find a location close by.

4. Select a category such as Food, Transportation, or Other. If you are unsure, select the category **<All Categories>**.



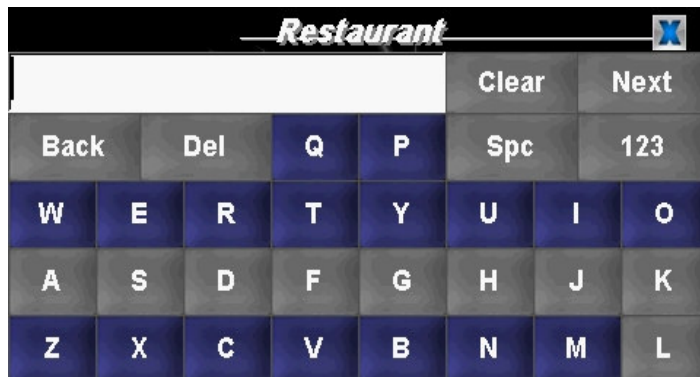
Select Service Category

5. For the purposes of this tutorial, select **<Food>** by touching the check mark icon to the left of the category.
6. You may now browse all Food subcategories to search by touching the corresponding check mark icon to the left of the category. Select **<Restaurant>**.



Select Service Subcategory

- This brings up a list of possible restaurant selections nearby (Ex: Applebee's, Burger King, etc). You can either scroll through the list of the named restaurants or select **<Enter Name>** and manually enter a restaurant name. Leave blank and press **<Next>** to show all restaurants nearby.



Manual Search for Restaurant by Name

- The generated results will be listed according to the distance they are from your current location. Distance and direction of each Service is displayed. Select a destination from the results by touching the corresponding check mark.

Note: Searching for Services by City/Town or Nearest searches within a certain radius of the location, then displays results based on relative location.



Select Restaurant

- You have now created a route from your current location to the Service which you have selected. Press **<Create Route>** and start navigating.

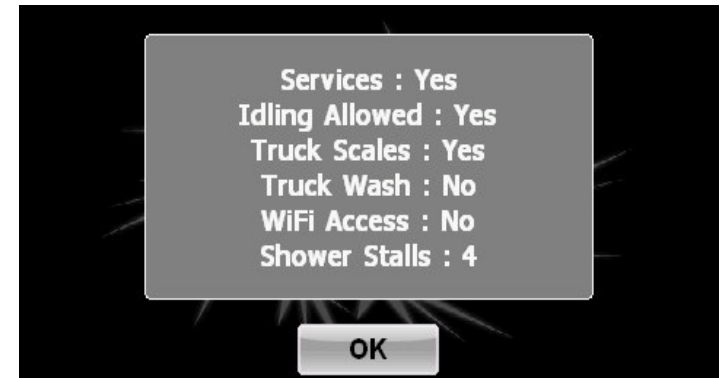


Route to a Service

To learn more about a specific truck stop, access the **Info** page for that truck stop. Press the **<i>** icon on the bottom of the screen and you will see details regarding certain amenities at that truck stop.



Truck Stop Info Page



Truck Stop Amenities

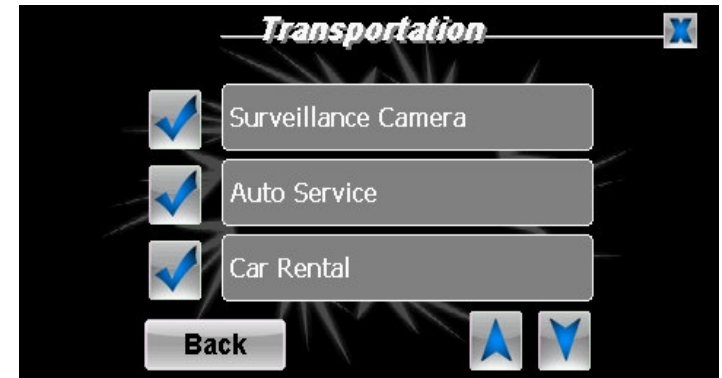
Searching by telephone numbers allows you to locate a business if the only information available is the phone number. Only businesses whose numbers are listed in the Business Yellow Pages Directory can be found. The **<By Phone Number>** option allows you to enter the phone number. Tap **<ABC>** to select the alpha keyboard.



1800 Number Search



1800 Number Search Results



Select Surveillance Camera Option

CAT Scale and Surveillance Camera locations are also available for search.



Select CAT Scale Location

## 2.11 Finding a My Point

If you have created a My Point (Section 3.1), you can find it in the Find Wizard Menu.

1. Press **<Menu>** then **<My Points>**.



2. Tap on **<Manage>**. You are brought to the Manage My Points Menu. Here you can arrange your My Points **Alphabetically** or **By Latest Added**. Press the **<AZ>** button and select either **<Alphabetically>** or **<By Latest Added>**. You can also manually search your My Points by pressing the magnifying glass icon. Press the corresponding check mark to proceed.



My Points Arranged Alphabetically



My Points Arranged By Latest Added

3. Press the right and left arrow icons to choose to either **<Show>**, **<Route To>**, **<Edit>**, **<Route Via>** or **<Delete>** your My Point. Press **<OK>**.



My Point Result

## 2.12 Search Along Current Route

Searching **<Along Current Route>** allows you to search for, and route via, Services such as truck stops or gas stations from your current position forward along the route. The corridor along the route is approximately 2-3 miles from the road and works only when there is a route entered. Your position does not need to be fixed.

1. Select **<Menu>** then **<Find>** and then **<Services>**. Choose **<Along Current Route>** then choose what type of service you would like to locate. In this example, choose **<Transportation>**, then **<Truck Stop>** and **<Find Any>**.



Select Along Current Route



Select Transportation

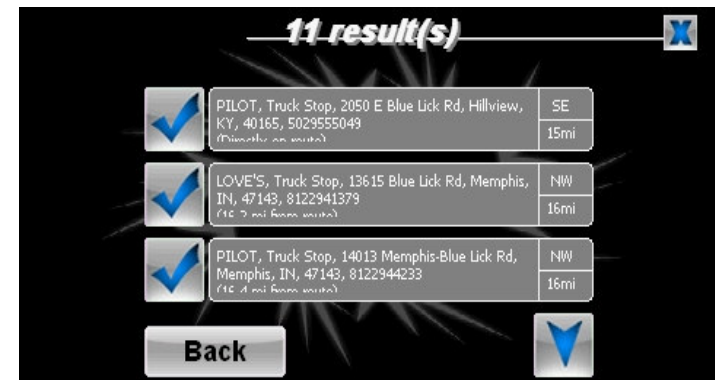


Select Truck Stop



Select Find Any

2. Choose the desired truck stop.



Select Truck Stop

3. You chose whether you want to route directly to the truck stop (**Route To**), continue to your destination via this truck stop (**Route Via**) or save the location as a My Point (**Mark**).



Choose to Route To, Route Via or Mark

## 2.13 History

There are two ways of accessing your Find History. First, by selecting **<Where To>** then **<Find>**, **right arrow**, and then **<History>**. From here you may press a corresponding check mark to show the address, delete a listing, or view more listings within the history. Press the trash icon to delete the entire history.



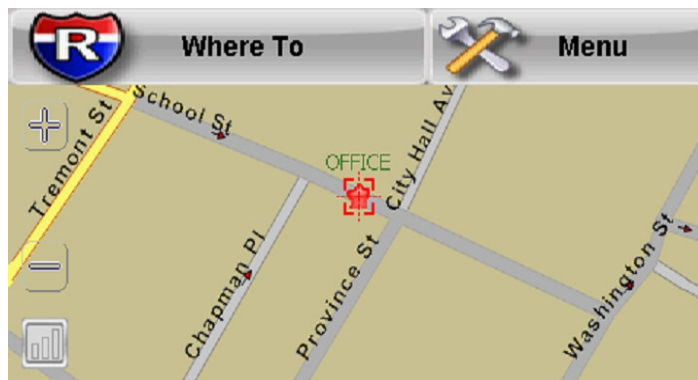
History of Previous Search Results

You can also access your Find History by selecting **<Menu>**, **<Find>**, **right arrow**, and then **<History>**. Through this screen it is possible to manage the points in your Find History the same way you manage your My Points.

You can select <Show>, <Route To>, <Route Via>, <Mark>, or <Delete> for any point.



History Find Result - Route Via

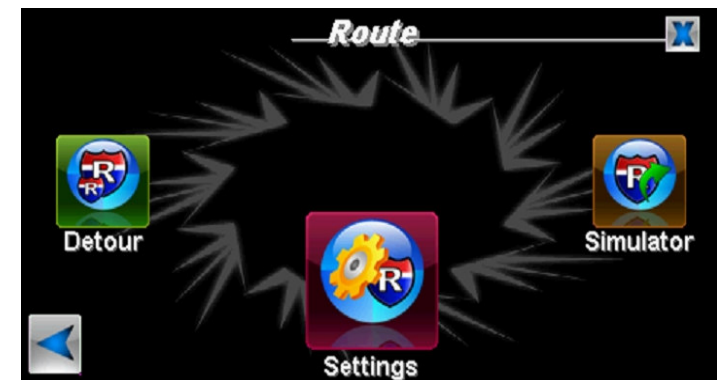


History Find Result Location

(Note: You are only able to manage your Find History by accessing it through the Main Menu. When accessed through the Where To menu, the GPS will assume that location is your desired End Address)

## 2.14 Detour and Clear Route

If you would like to avoid an upcoming stretch of your route due to an accident, delay or detour and return back to your desired route, you may choose <Detour>. You may select from **1 mile**, **3 miles**, or **5 miles** of road which you would like to avoid. To select <Detour>, select <Menu> then <Route Menu> then press the **right arrow**.



Route Menu Page Two - Settings

Select <Detour> and choose the length of road of which you would like to avoid (1, 3 or 5 miles).



Choose Reroute Distance

If for some reason you do not wish to follow a route, you can clear the existing route from the screen by pressing **<Clear Route>**.

## 2.15 Your GPS Settings

Press **<Menu>**, then scroll to the **third** Menu screen by pressing the **right arrow** icon twice. Press **<GPS Status>**. The GPS information screen shows your latitude, longitude, elevation, speed, heading (direction of travel), date/time, the total number and strength of satellite signals. The green dot on the bottom right of the panel indicates the GPS has a fixed position. The dot will change colors based on the following status: Red - not locked in; Yellow - Acquiring Satellites; Blinking Green - getting close to locking in; Green - position fixed. A signal status bar will appear in Map Mode in the bottom left hand corner that displays the satellite signal. Note: See Section 4.6 to adjust time.



GPS Information Screen

Note: If you are developer or are using a device other than a

portable WorldNav from TeleType, you can access the GPS settings menu by tapping the bottom right side of the GPS status screen. Here you can turn on/off the satellite and adjust the comm port and baud rate settings. This feature is not needed for WorldNav devices as these settings have been pre-set.

## 3 Working with My Points

### 3.1 Create a My Point

A "My Point" is a position marker that can be used to help create a multiple point route or to mark a position for future reference. You can think of the My Points area as a listing of your favorite places. You can create My Points regardless of whether the GPS device is active or inactive. If you are centered on a position that you would like to create a My Point for, press **<Menu>**, **<My Points>** and then **<Mark Position>**. The Mark Position Screen will come up allowing you to enter a name, and then you may assign an icon to your new My Point from the icon gallery.

You can also create a My Point by tapping directly in the center of the screen while in Map Mode. This will bring up the Info screen, where you can either **<Route Via>**, **<Route To>** or **<Mark>** that location. Selecting **<Route To>** will create a route to that location. Selecting **<Mark>** will bring up the Mark Position screen, where you can create a My Point. The position will then be saved as a My Point and

Part



can be accessed for future use. Selecting **<Route Via>** will create a route to the destination by way of the My Point you have selected.

### 3.2 Mark My Point at Current Position

There are two ways to mark a My Point at your current position. Use this option to mark a location that you travel to frequently.

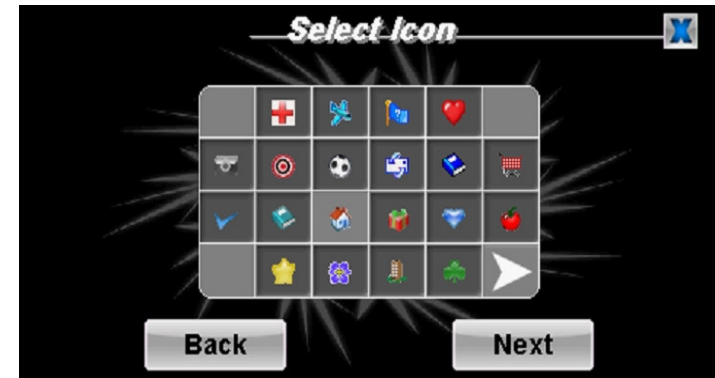
1. First, while in Map Mode, press **<Menu>** and then **<My Points>**. Press **<Mark Position>** to mark your current position.



2. Second, and also while in Map Mode, press on the **red crosshairs [+]** in center of the screen. The red crosshairs will turn blue. The **Info** screen will come up. Use the right arrow to select **<Mark>** to mark your current position.



Info Page



Selecting a My Point Icon

- From here (in both cases), enter the name for your current position and select an icon to represent the position.



Naming a My Point

- Your current position will now be recorded as a My Point and will appear on the screen as the icon you selected.

### 3.3 Manual My Point Entry

If you prefer to route to a set of GPS coordinates rather than an address you can manually enter the latitude/longitude by creating a My Point. Once the point has been entered then you can use it for routing purposes.

1. Access your My Points menu and press **<Manual Entry>**.
2. Insert a name for your My Point by tapping on the **<Name>** panel. Insert the coordinates by tapping on the latitude and longitude panels and entering the correct data. (For points west of the Prime Meridian, a minus sign must precede the longitude). Select an icon from the **<Icon>** panel.



New My Point - Manual Entry

### 3.4 Using My Points

Your My Points menu can be used to create your own points, edit those points, or route to the points.

1. To edit your existing My Points select **<Manage>**. This will take you to a screen entitled "Manage My Points". Press the check mark icon next to the My Point you wish to edit.



Manage My Points Menu

2. Use the arrows to select **<Show>**, **<Route To>**, **<Route Via>** or **<Edit>**. To change any information, select **<Edit>**. Here you can change the name, icon, or location (Similar to

Section 3.1, you can simply change the latitude and longitude and the corresponding point will change location).



My Point Details

3. When you are finished with any edits to that particular My Point, press **<OK>**.
4. To delete a point, select the **trash can** icon.

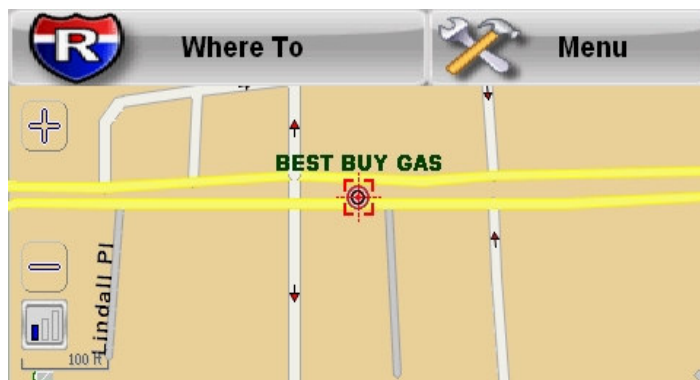


My Point Details - Trash Icon

5. To **view** your edited My Point, press the check mark icon next to it. Select the **<Show>** option displayed in the text field and press **<OK>**. This will take you to the map with your My Point centered on the screen.



Find Result - Show My Point

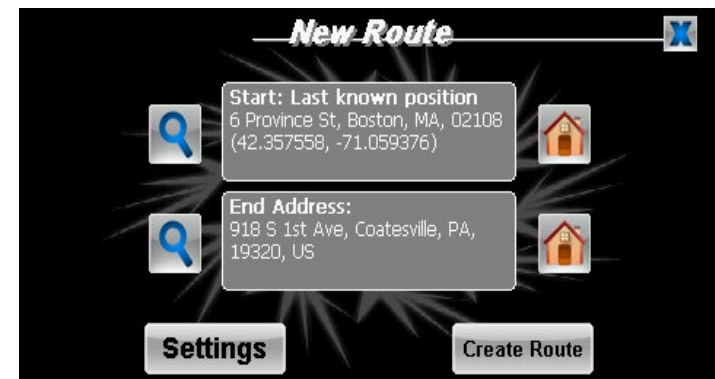


Icon Indicates Your My Point

### 3.5 Route Via

Using your My Points feature, it is possible to create a route with an unlimited number of stops by selecting the **<Truck Via>** option in your Route Settings. You can route via an address, Service, My Point or intersection.

To create a route with VIA points, select **<Menu>**, **<Route Menu>**, **<New Route>**. Once you have your route selected, tap the **<Settings>** button.



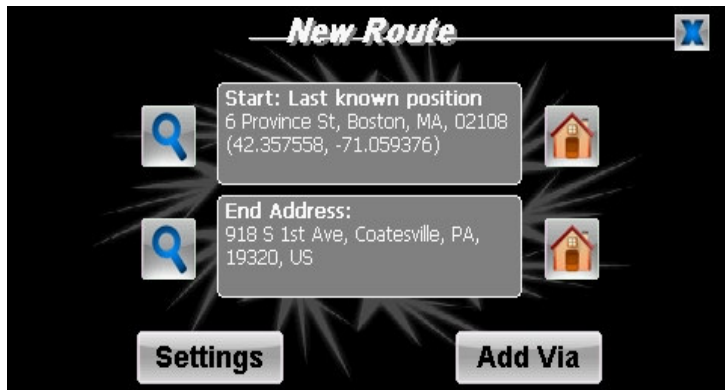
New Route

1. Use the right or left arrow icons to select **<Truck Via>** in the middle panel. Press **<OK>**.

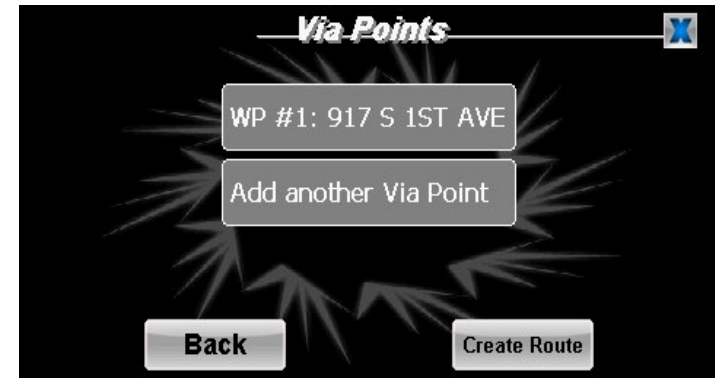


Settings Page

2. Once back to the New Route screen press **<Add Via>**. This allows you to select an address, service, My Point or intersection to route through.



New Route - Add Via



Via Points Menu

3. Select **<Add another Via Point>** to add another stop to your trip. Once you have all your stops entered, press **<Create Route>**.



My Point in Route Details

# Part

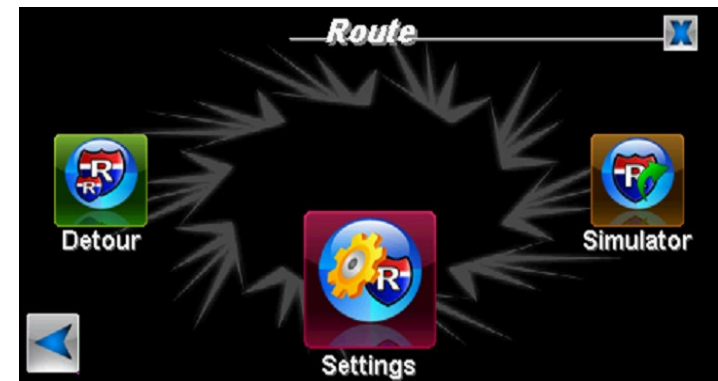
# IV

## 4 Navigation Preferences

### 4.1 Selecting Route Preferences

Using your Route Settings, it is possible to select the desired method of routing and truck setting that best suits your trip. You can also adjust your truck's specifications.

1. Press **<Menu>**, **<Route Menu>**, right arrow, and then **<Settings>**.



Route Menu

2. Use the **Route Settings** menu to select your route preferences. **<Allow County Roads>** and **<Allow Toll Roads>** are indicated by a blue check mark. You can deselect these options by

pressing the icon once. A gray "X" icon will display when the feature is not activated.



3. You also have the choice of several route methods depending upon the product you are using. Use the **arrow icons** to choose the desired method of routing. In most cases the route will change based on your choice; in other cases the same route will be generated regardless of the setting. You can select from:

- **Truck Freeways** - favors highways - it will route around major cities
- **Truck Quickest** - will result in the fastest route, usually results in a route taking the least time
- **Truck Shortest Distance** - will result in the

shortest route, likely to require more turns but may save gas due to shorter distance

- **Truck Emergency** - disregards all road restrictions EXCEPT low bridges
- **Truck Via My Points** - allows a route to be created through user-defined points

To insure that you will be routed using roads that are suitable for trucks, be sure to keep the routing setting on **Trucks**. The default truck configuration is: 13' 6" height, 53' length, 8'5" width, 80,000 lbs, no Hazmat. To change this configuration follow the steps below.

4. Press the **Truck logo** found at the bottom (middle) of the **Route Settings** screen. Here you can select **<Weight>**, **<Dimensions>** and **<HazMat>**.



Truck Settings

5. Press **<Weight>** to adjust your vehicle's weight. Here you can also select whether or not you want upcoming weigh stations to be announced. Weigh Stations will be announced two miles ahead of time.



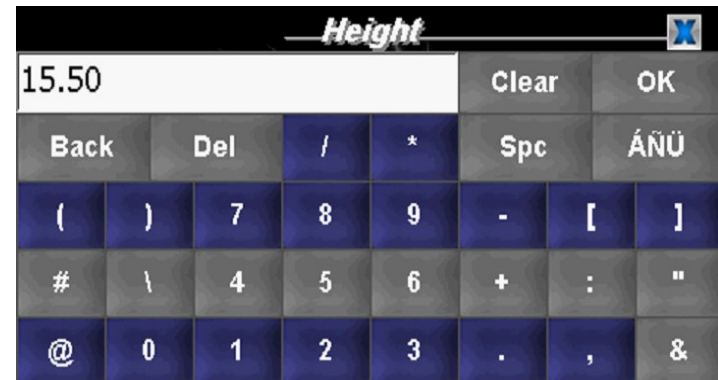
Truck Weight

6. Press **<Dimensions>** to adjust your vehicle's height, length, and width. Use the arrows to

change the values a little at a time. To manually enter a value (Ex: 15.50 means 15' 6"), tap on the corresponding panel.



Truck Dimensions



Truck Settings: Manual Entry

7. Press <HazMat> to adjust your Hazardous Materials Class. Use the arrows to select class of cargo being transported. Each class contains a descriptive label.



Truck Settings: Hazmat Class Changed to Class 3

8. When you have selected all your correct route and truck settings, press <OK>.

## 4.2 Choosing a System of Units

Specify whether the WorldNav should display measurements in Metric or English units.



Main Menu - Units

1. Press <Menu>, right arrow icon and then select <Units>. Switch between **Metric** and **English** units by pressing the arrow icons.

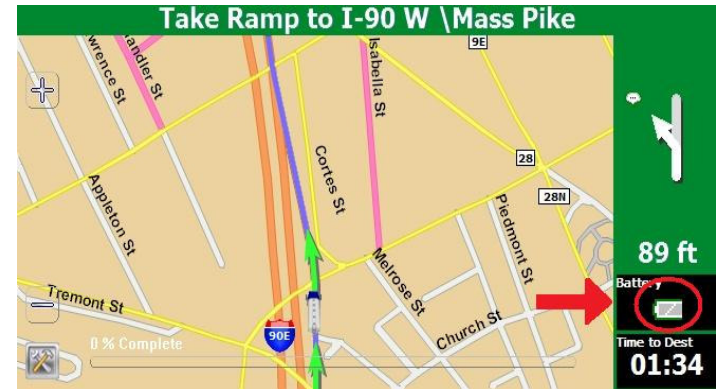


System of Units

### 4.3 Selecting Navigation Panel Preferences

The GPS will display vital information on your Navigation Panel. The name of the next street you must turn onto is displayed at the top. The distance to your next turn, as well as a directional arrow, are shown on the upper right section. A checkered flag will appear in the same section when you reach your destination. The two other information areas in the bottom right of the Navigation Panel can be customized. There are two ways to access your **Navigation Panel** Preferences.

1. Press **<Menu>**, **right arrow** two times, and then press **<Nav Panel>**. You can choose to display **Big Panels**, **Big Map**, **Hide Panels** or **See Through Panels**. You can also choose two values to be displayed in both the **Upper** and **Lower Panel**. For a quicker way to access your **NavPanel Preferences** while in navigation mode, tap the upper panel (indicated below). To hear a repeat of the upcoming navigation instruction, tap the upper right hand portion of the screen.



Press Upper Panel Icon



Navigation Panel Preferences

2. In the Navigation Panel Menu, you can scroll the Upper and the Lower panel to select one of the following trip information items:
  - **Arrival time:** Estimated time of arrival
  - **Via Arrival time/VAT:** Estimated time of arrival

- at Via Point (if selected)
- **Dist to Go/DTG:** Distance to go
  - **Dist of Via/DTV:** Distance to Via Point (if selected)
  - **Heading - Degree:** Directional heading focused on degrees, such as 270°
  - **Heading - Text:** Directional heading focused on text, such as *West*
  - **Odometer/ODO:** Odometer
  - **Satellite Info:** GPS signal strength
  - **Speed:** Ground speed
  - **Time:** GPS (UTC) time
  - **Time to Dest/TTD:** Estimated time until destination
  - **Time to Via/TTV:** Estimated time until Via Point (if selected)
  - **Next Turn:** Indicates next turn
  - **Current Street/Street On:** Current street
  - **Sunrise/Sunset:** Estimated time of each
  - **Battery:** Battery power
  - **Cycle Thru All:** Cycles through all trip information items
  - **Nav Panel:** Choose from Big Map, Big Panels, Hide Panels or See Thru Big Panels. (*Big Map* devotes more space to the map area with a

narrower Nav Panel. *Big Panel* displays a wider Nav Panel with a reduced map size. *Hide Panel* displays no Navigation stats. *See Thru Big Panels* displays a transparent wider Nav Panel which allows for a large map area).

### 4.4 Setting the Services Preferences

Choose the types of Services that you would like to appear on the map as you travel.

1. Press **<Menu>**, **right arrow** icon, and then **<Services>**.



Select Services

2. For the purposes of this example, select **<Other>**.

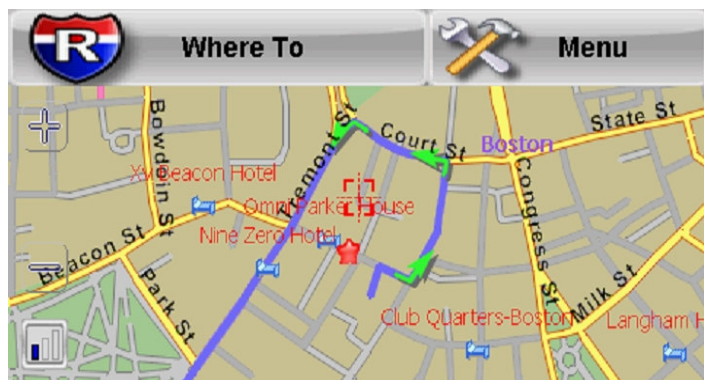


Services Display Menu

3. Scroll the menu using the up and down arrow icons to view the choices. A blue check mark will appear next to the items you choose to display. For the purposes of this tutorial, select **<Hotel/Motel>**. Press **<OK>** when you are done.



Services Categories



Hotels and Motels Displayed

## 4.5 Voices & Languages

Select the Voice that guides you during travel. Press **<Menu>**, then use the **right arrow** icons to scroll to the third Menu screen and then press **<Language>**. This takes you to the Language Selection screen. Here you can select the voice (Example of English voices: Simon or Susan) you would like to hear while navigating, as well as the style of keyboard you prefer when entering your information: QWERTY (Computer style) or Alphabetical. Use the right and left arrow icons to make your selections. When your preferred voice is displaying in the text field press **<OK>**. Multiple languages including Spanish are provided in the Premium software edition. Truck Navigation GPS devices include English and Spanish. Notice that when you change the voice to another language the menus change to the corresponding language as well. You can also mute the voice.

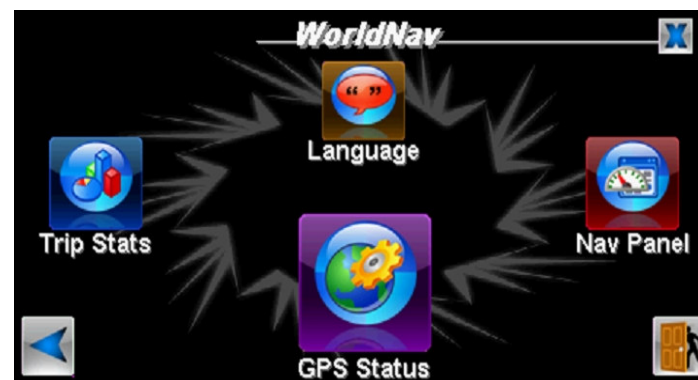


Voice/Language Selection Screen

## 4.6 Changing the Time

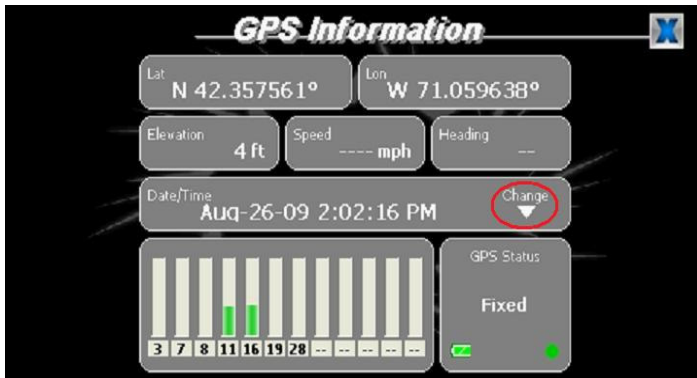
The GPS device has preset time to U.S. East Coast. The time automatically adjusts to "GPS" time when your position is fixed. To change the time, your GPS position must be locked in.

1. Press **<Menu>**, use the **right arrow** icons to get to the third Menu screen and then press **<GPS Status>**.



Select GPS Status

2. The GPS Information screen will appear. Tap on the **Date/Time** field to adjust the time.



GPS Information Screen

3. Click on the + and – buttons to change the hour accordingly. You may also choose between a **12 and 24 Hour** clock.
4. Use the method described above to adjust for Daylight Savings time.

## 5 Special Features

### 5.1 Map Settings

Map Settings lets you personalize your GPS. It gives you the ability to modify features such as zoom level, Map Theme, and Nav Cursor. It also allows you to change between two-dimension and three-dimension and display a compass and speed limit alert.

1. To access your **Map Settings**, press **<Menu>**, **right arrow** icon and then **<Map Settings>**. From here you can choose **AutoZoom**, **2D/3D**, or **Cursor**. By pressing the right arrow, you can access your **Map Theme**, **Speed Limit Alert**, **Compass Display** and **2D Map Scale**. By pressing the right arrow a final time, you will see the **Background** display icon.

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Map Settings Page 1



Map Settings Page 2

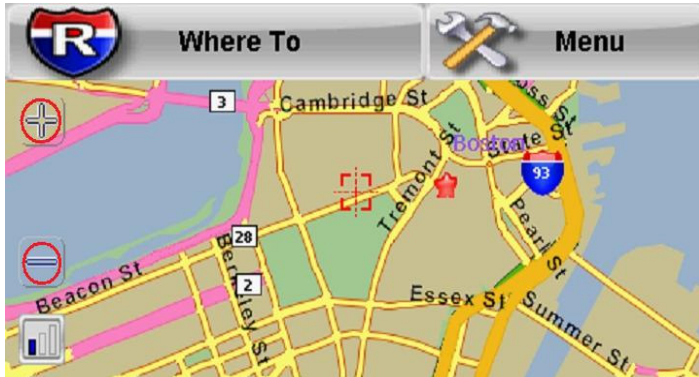


Map Settings Page 3

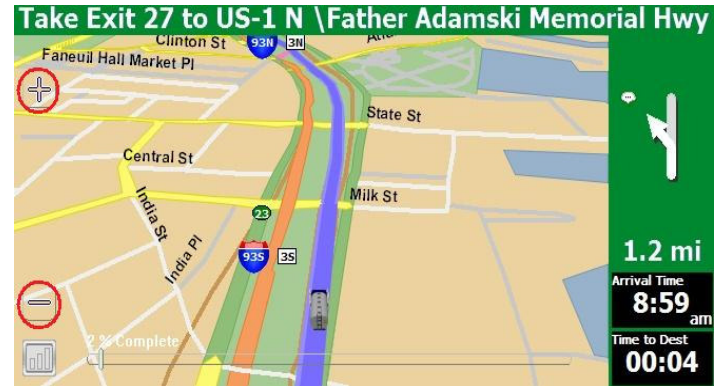
- Click on **<AutoZoom>** to choose whether you want to manually control the zoom level of your map or have it vary in relation to your current speed. (The higher your speed, the farther out the zoom level.) To manually control the zoom level, tap on the **(+)** or **(-)** icons on the left of the screen. You can continuously zoom in or out by holding the the plus or minus zoom buttons.



AutoZoom Settings

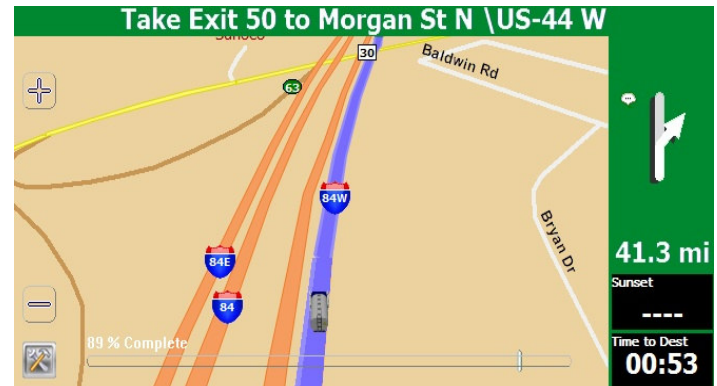


Zoom Buttons in Map Mode



Zoom Buttons in Navigation Mode

3. <2D/3D> allows you to set the dimension in which you view your map display. 2D offers a birds-eye view with more detail while 3D offers a more realistic view with less detail showing you more of what lies ahead.

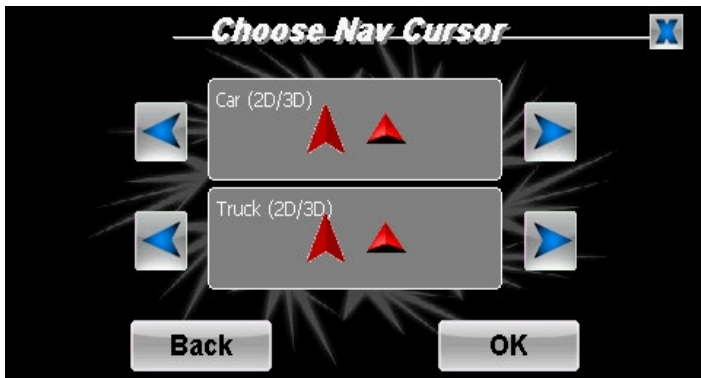


Routing in 3D Mode



Routing in 2D Mode

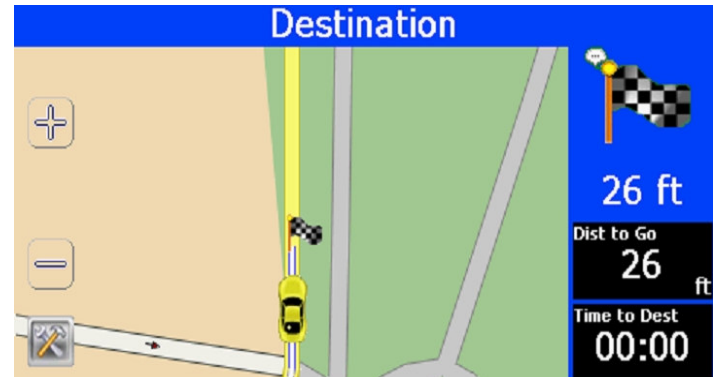
4. **<Cursor>** allows you to select your Navigation Cursor. This is a visual representation of your vehicle on screen. The default cursor shows a red triangle as seen below. Tap the right or left arrows to choose either a car (for Car Mode) or a truck (for Truck Mode) then press **<OK>**.



Default Nav Cursor



Nav Cursor Choices

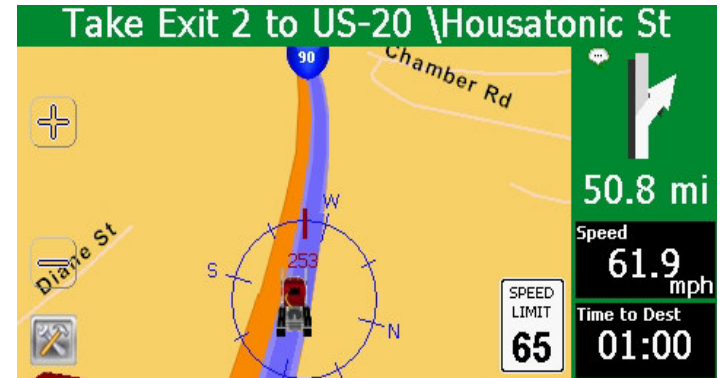


Car Cursor in 2D Mode



Truck Cursor in 3D Mode

- By pressing the **right arrow** while on the Map Settings page, then selecting **<Speed Limit>** you can choose to display the posted speed limit, which also flashes red when the speed limit is exceeded. Select **<Show>** to display the speed limit and press **<OK>**. Note: While in Truck Mode the speed limit indicator refers to the posted speed limit for trucks when available.

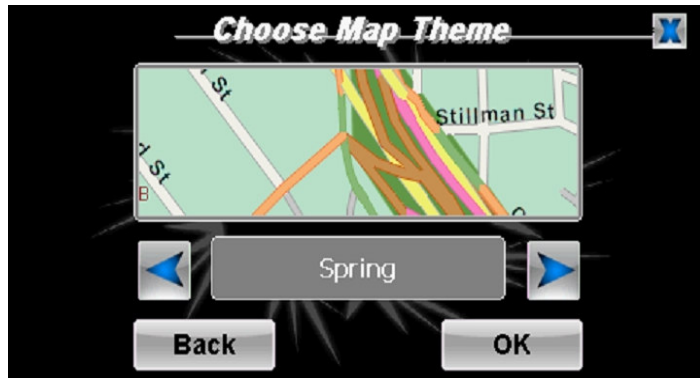


Speed Limit Sign Displayed

- <Map Theme>** allows you to change the appearance of the map display while in navigation mode. Six options are available: Default, Classic, Spring, Summer, Fall, and Winter. Note: All restricted roads will remain pink.

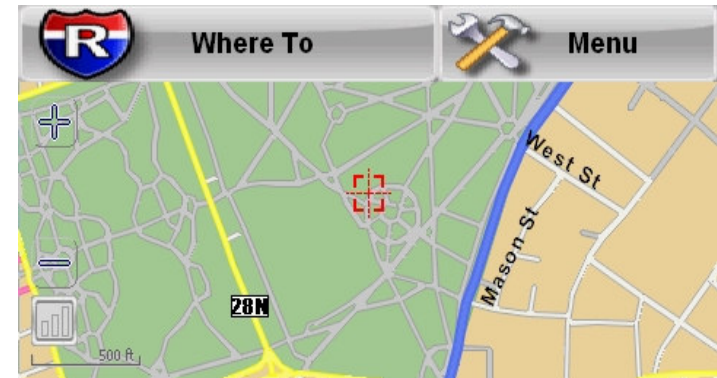


Default Theme

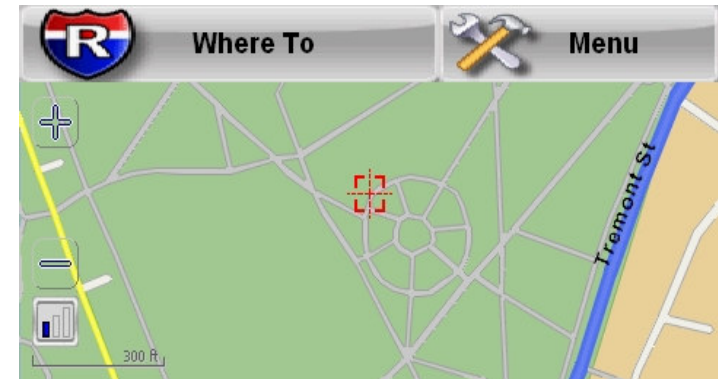


Spring Theme

7. **<Compass>** will display a navigational compass on screen while you are navigating to keep you aware of your general direction. (See photo on Step 5 to see compass feature)
8. **<2D Map Scale>** will display a map scale in the lower left hand corner of your navigation screen and will give you an approximate distance relative to the current zoom level.

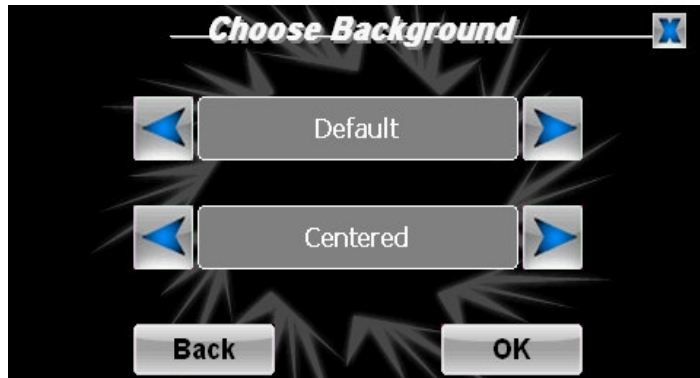


2D Scale showing 500 ft.



2D Scale showing 300 ft.

9. **<Background>** lets you change the wallpaper image that appears behind the menu icons. You can either select from the pre-loaded background images or upload your own through your PC (For complete instructions, refer to [www.teletype.com](http://www.teletype.com)).



Default Background



Background Variation

10. <Lane Assist> displays which lane you should merge to for your upcoming turn. (Note: This features is standard and will remain active at all times.)



Lane Assist Feature

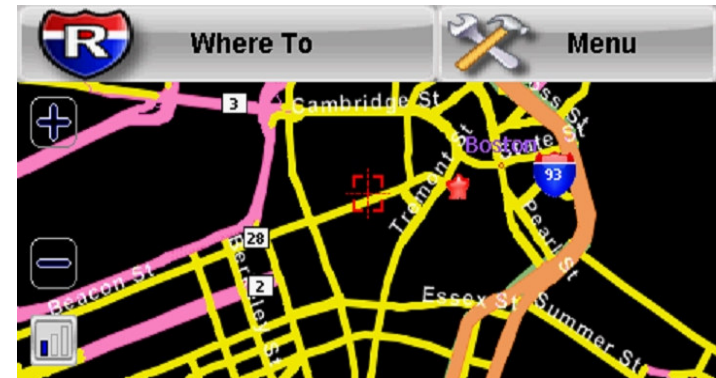
## 5.2 Day/Night Mode

To avoid distraction while driving at night, you can adjust your screen settings so the normally bright background colors change to a black background with only the roads highlighted.

1. Select **<Menu>**, **right arrow** icon and then select **<Day/Night>**. You can also select **<Auto>** which automatically switches from day to night (and vice versa) based on your current GPS position (lat/long). When your preferred mode is displayed in the text field press **<OK>** to apply the setting.



Select Night Vision



Night Mode Map

Note: To adjust screen brightness for differences in day or night viewing, see the Hardware User Guide.

## 5.3 Trip Information

Review trip statistics including speed, distance to go, estimated time of arrival, time, odometer and trip timer\* simultaneously.

There are two ways to access your current trip statistics.

1. Press **<Menu>**, then use the **right arrow** icon to get to the third Menu screen and then press **<Trip Stats>** to see the Trip Statistics screen. Note that this screen is a snapshot of the data within a few seconds of the real time situation. To configure your navigation screen to show some of this information, use the Nav Panel menu to set the desired display.
2. For a quicker way to access your Trip Statistics while in Map Mode, tap the **bottom panel** on the right side (indicated below).

\* Trip Timer can be used to monitor total drive time. This feature is helpful for drivers seeking to limit number of hours driven.



Press Lower Panel Icon



Trip Statistics Screen after Reset

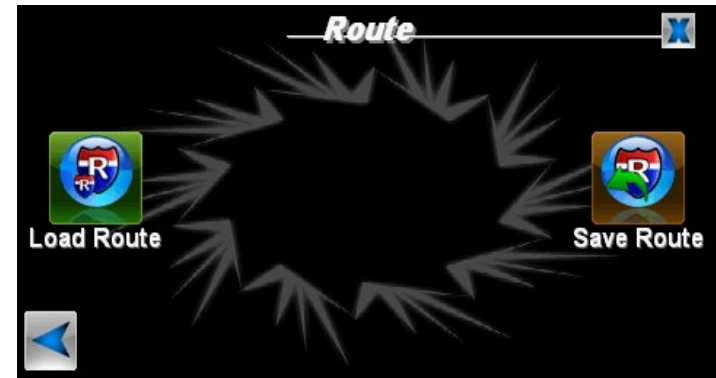
## 5.4 Loading and Saving a Route

You can load a previously saved route or save your current route using the Load/Save Route features.

1. Begin by creating a route. Once the route is created, access your **Route Menu**. Press the **right arrow** twice until you see the **Load Route** and **Save Route**.



Create Route

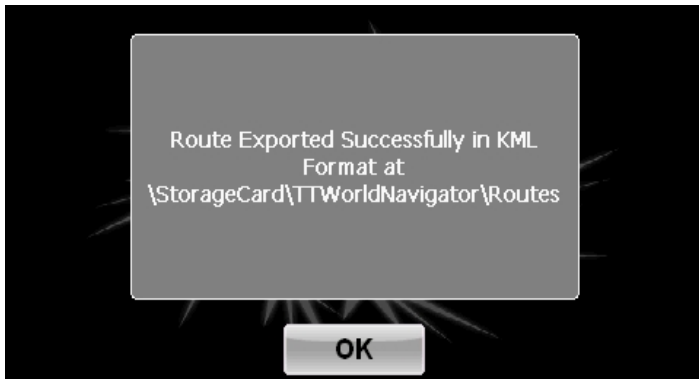


Load/ Save Route Page

2. To save your current route, click **<Save Route>**. Enter a name for your route. This will save your route as a KML file for future use. (For more information about KML route export visit [www.teletype.com](http://www.teletype.com))



Enter Route Name



Route Saved

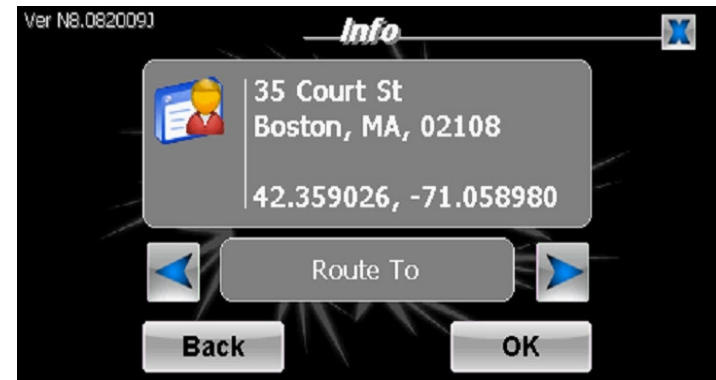
- To load a previously saved route, press the <Load Route> icon then select a previously saved route.



Select a Previously Saved Route

### 5.5 Map Information

If you press <Menu> and then <Info> the GPS will display the best estimate of your current location. By tapping the right or left arrows, you can <Route To>, <Route Via> or <Mark> this location. You can also access your software version number (top left corner) which can be useful in determining if you have the latest maps.



Map Information Screen

If you would like to know why a particular area is restricted, position your target point over the pink area of the map and select <Menu> then <Info>\*. This will then display the reason for the restriction. In the example below there are no commercial vehicles allowed on Temple St.



Truck Restriction Info

\*You can also access Info by tapping the red crosshairs [+] in the center of the screen.

## 5.6 Simulating a Route

You can simulate a previously created route to preview what it will look like while you are driving.

1. Press **<Menu>**, **<Route Menu>**, **right arrow** icon and then press **<Simulator>**.



Select Simulator

2. The simulation will automatically begin. To skip to a point further along the route drag the progress bar at the bottom of the screen to your desired point.



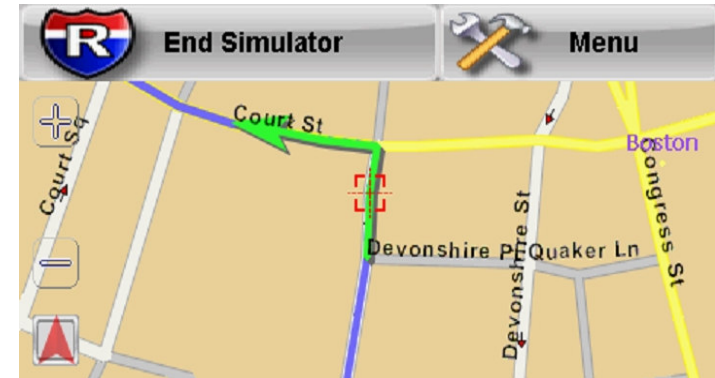
Simulation Mode

- At any point during the simulation, you can exit and then tap on **<Menu>**, **<Route Menu>**, **<View Route>** and then **<Details>**. This will give you the Route Details and will show a blinking green border around the detail that you are currently on. (See below)



Highlighted Details

- To end the simulation, simply tap the screen once and a menu will appear allowing you to end the simulation. You may resume the simulation by touching the faded red arrow in the bottom left corner.



End Simulation Mode

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## 6 Troubleshooting Questions

1. **Why are some streets unlabeled?** In 3D mode, only major thoroughfares are shown. Change to 2D mode and manually adjust the zoom level to see more labeled streets.
2. **What if the GPS cannot locate my destination address?** Check the town or city name. Often you find the street is located in a town named differently from what you were provided. Some addresses may not be listed. Change the route to locate the nearest intersection, or nearest town instead.
3. **What if it seems the device is not showing my true location?** Sometimes, the device takes a few minutes to lock in on the satellite signal, after which your true location will be shown.
4. **Sometimes the GPS indicates a house number to be in a different part of the block, why?** House numbers are estimated positions within the block. Typically the GPS will put you within a few feet of the actual position. Also, in some

congested or mountainous areas, the position will be off from true position.

5. **Why is my GPS showing several miles to go to destination and I am already there?** Most likely the address you have entered is on the other side of a major highway and the GPS is asking you to go forward, turn around and go back to the other side of the highway. Be assured, there is nothing wrong with the GPS device.
6. **I am near an airport and my GPS is unable to obtain a position, what is wrong?** Due to increased national security concerns, the GPS signal is often scrambled or shut down near airports and military installations.
7. **Why when I select "Avoid Tolls" I sometimes get routed on a toll road?** In rare cases where the avoidance of tolls would be impossible or result in an extremely long route, the route will be created ignoring the avoid tolls request. A warning message will appear.

8. **What is "Allow County Roads"?** A County Road may be smaller and more difficult to drive on, however it is still a truck permitted road. Avoiding county roads may cause longer routes.
9. **How do I transfer maps onto my device?** The WorldNav does not require maps to be transferred. All maps and services are already pre-loaded onto your device. To transfer your stored data points from your existing program, press the memory card icon (in the bottom left corner) on the "I Agree" screen and follow the instructions (See Section 1.3). To be informed of future updates please register at [www.teletype.com/register](http://www.teletype.com/register).
10. **What are the differences between the routing preferences?** See section 4.1 of this guide.
11. **How can I route from point A to point B with multiple stops in between?** You will need to first look up the addresses of any stopping points. Then you can create a route by selecting any of your My Points. See Section 3.

12. **May I change the warning sounds?** Yes, you can substitute your own .wav files for any of the warning sounds found in the TTWorldNavigator Sounds folder such as reroute, spdBeep sounds. The SpdBEEP sound is the one you hear when it is time to turn. Do not change the name of the file, just rename your .wav file to the same name as the original file name.
13. **How do I change text and voice from English to another language?** Press <Menu>, then the **right arrow** icons to scroll to the third screen and then press <Language>. Language choices are available in the Premium and Truck Editions only.
14. **Which entertainment file formats are supported?** See the appropriate hardware user guide or check the model specification online at the TeleType website.
15. **Why did my GPS lose satellite signal after a reset?** Check the comm port and baud rate settings on your GPS Information page. The

- correct settings should be as follows (com/baud): 3.5": 1/9600; 5": 7/4800; 7": 2/4800.
16. **I see a NANDFlash folder in my software path. Can I use this for storage?** No, this folder should not be used for any storage. Attempting to use this will void your warranty and likely result in making the GPS non-functional.
  17. **How do I reset my device?** Power down the GPS device and unplug from the power source. Insert the stylus pen (located on back of device in lower left corner) into the hole marked RESET. Plug the GPS back into the power source and turn the device On. Note: your stored data points will remain stored.
  18. **How do I know what software version I have?** Press <Menu>, then <Info>. Your current version is located in the upper left hand corner.
  19. **How do I receive software updates?** Visit the Upgrades page on the TeleType website: <http://www.teletype.com/update>

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