



wMap

Software User Manual for 600 Series WGPX GPS Receivers



Note
Contents of this manual and product specifications can change without notice.
Rev 2

Introduction

Congratulations on your purchase of a Whistler GPS receiver and the wMap mapping software. This system can provide an auto route to the destination of your choice using signals from Global Positioning Satellites (GPS) orbiting the earth.

There are 24 GPS satellites orbiting the earth. A GPS device can calculate your position on the earth if it can receive signals from at least three of these satellites. When it receives at least four signals, a GPS device can also calculate your altitude (height above sea level).

To use the GPS receiver for the first time you need to charge the battery and install the map data onto the Secure Digital/Multi-Media Card (SD/MMC). **NOTE:** Some models may have the maps preloaded on the SD/MMC card so map loading is not necessary. If the GPS receiver offers other countries, these country maps will be on the included CD/DVD. Simply copy the country maps to an appropriately sized SD/MMC card and insert the card into the GPS receiver. See page 23 for loading instructions.

Important! If the GPS receiver's maps are preloaded on a SD/MMC card, please make a backup copy of the card to the PC. If the card is reformatted, erased or lost, a new copy of the map files can be placed onto a new SD/MMC card by using the backup copy. If a backup is not performed and replacement maps are needed, a replacement fee will be charged.

See the unit's hardware manual for detailed instructions for battery loading and charging information as well as important hardware and software restrictions and precautions. All other hardware questions and operation of other non GPS mapping programs are listed in the hardware manual.

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Any notices or other communications to be sent to Whistler must be mailed first class, postage prepaid, to the following address:

The Whistler Group, Inc.
Attn: Customer Service
13016 North Walton Blvd.
Bentonville, AR 72712

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Navigating the Software

Once the GPS receiver is turned on, the unit will automatically go to the GPS receiver's main menu or depending on the GPS hardware, display the wMap's map page. See the GPS receiver's hardware manual to determine the correct procedure to start the GPS unit's mapping software.

A warning screen will appear first. Simply read and tap the OK icon.



Figure 7A

It is best to be outside and have a clear sky above to allow the GPS to obtain better reception of the satellites. Clear sky means: no trees, bridges, overhangs, carports etc. Cloudy skies are ok. The unit is ready to travel and navigate once the map page is displayed. The wMap software is designed to be easy to use. **Important! See the Setting Options section on page 19 to enter correct time zone!**

The following sections will describe the many features and settings. Pressing the direction button on the unit either left or right will toggle through the available screens.

Map Page

The Map Page displays your current position, zoom in/out buttons and zoom level in miles, street traveling on, battery life and Menu and Mute Icons. The pointer represents your location and direction on the map.

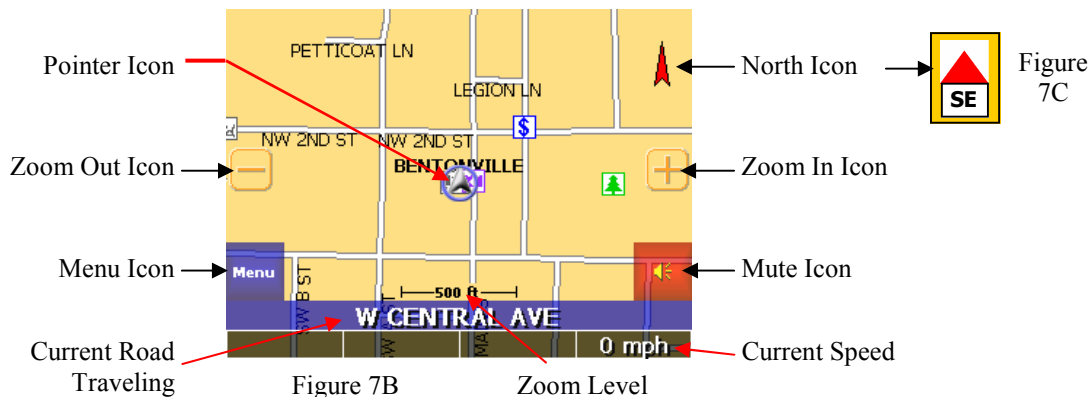


Figure 7B

Zoom Level

Figure 7C

The pointer icon also indicates the signal strength of the satellite signals: Silver = no signal; Red = poor signal; Yellow = weak signal and Green = good signal.

Zoom In/Out

The zoom level is displayed in the lower center of the map page. To change the zoom level, tap the zoom icons on the screen or the (+) or (-) buttons on the GPS unit. **Note:** Street details are not shown higher than zoom level of 2000 ft.

Track Up (Heading) or North Up

In the upper right hand corner is the North indicator icon. (See Figure 7B) This indicator will always point to the north. While traveling, the direction of travel (Pointer Icon) is always pointing up and the map rotates around the Pointer Icon.

Track Up or North Up—continued

When the map is switched to North Up from the defaulted Track Up, the direction of travel (N,S,E,W etc) is displayed under the red arrow. See Figure 7C for an example for a SE direction of travel.

There are three ways to change the display:

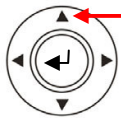
1. Simply tap the North indicator and the icon will change from one setting to the other.
2. Go to: **Main Menu/Settings/Display Options/Orientation** and change the option.
3. Simply press the direction button in the up position.

Select the display heading style



Figure 8A

Note: Menu layouts throughout this manual may differ from what is shown.



Press the up arrow to change views

Figure 8B Generic button shown

Navigation and Panning Modes

The map page can be displayed in two views; Navigation Mode (See Figure 7B) and Panning Mode (See Figure 8C). Navigation Mode displays movements along the map.

Panning Mode allows Points of Interest (POI) and street name information to be displayed and also allows movement of the map to different areas for viewing.

To enter Panning Mode: Simply tap and drag along the screen to allow movement of the map to view different areas.

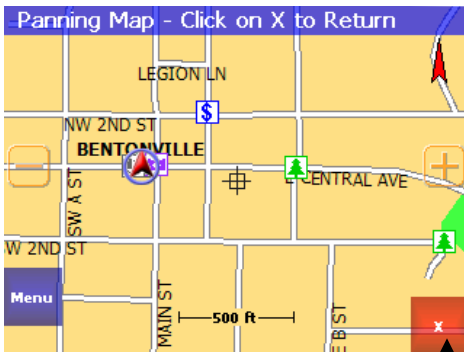


Figure 8C

Tap here to exit panning mode

To exit Panning Mode, tap the red “X” button in the lower right corner of the display.

To find out more info on a POI, simply tap on the POI’s icon and the POI Info screen will be displayed.



Tap here to get detailed POI information

POI Information screen is displayed



Figure 8E

The POI Info screen provides the POI’s name and phone number. (See Figure 8E)

Navigation and Panning Modes - continued

At the bottom of the POI Info page there are three choices for the POI info displayed:



- Nav** = Set an auto route to the POI
- Fav** = Saves this POI into the Favorites folder
- Map** = Return to the map page

Figure 9A

POI's Displayed on the Map Page

Selecting only certain POI's is helpful in large city areas where the POI icons could overwhelm the map page.

To change the default settings.

1. Tap **Menu/Settings/Display Options**.
2. Under the *POI Icons* column, select *Custom*. This will select what POI's are shown on the map page. Default setting is all POI's are selected.
3. Tap **OK**

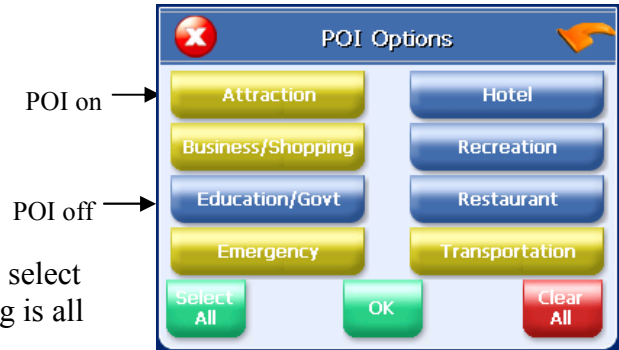


Figure 9B

Saving a Current Location

To save current location.

1. Tap and hold anywhere on the map and an option menu will be displayed. See figure 9C.
2. Select the desired option:

Set Start Location allows the auto route to use this location instead of GPS location.

Set Destination creates an end point for an auto route.

Save This Location places this location into the Favorites folder.

Info provides county and latitude/longitude coordinates for the selected area.



Figure 9C

The following screens can be accessed by moving the direction button on the GPS unit either left or right.

Current Route

This page is normally blank unless an auto route is entered. All turns within the auto route are displayed. This page is useful when looking for the next turn or turns that are approaching.



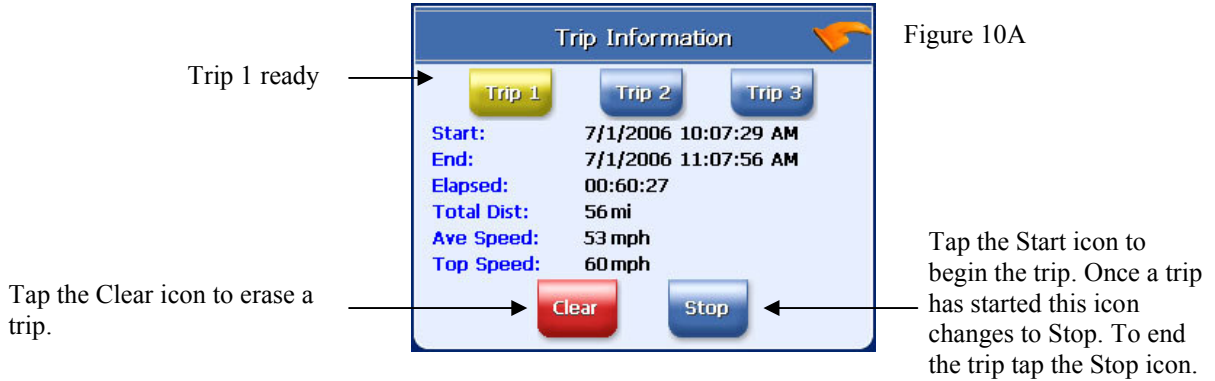
Tap on either the yellow arrow icons or the scroll bar to see all turns in the route.

Tapping the Map icon will show the highlighted turn on the map. The map page will be shown in panning mode.

Figure 9D

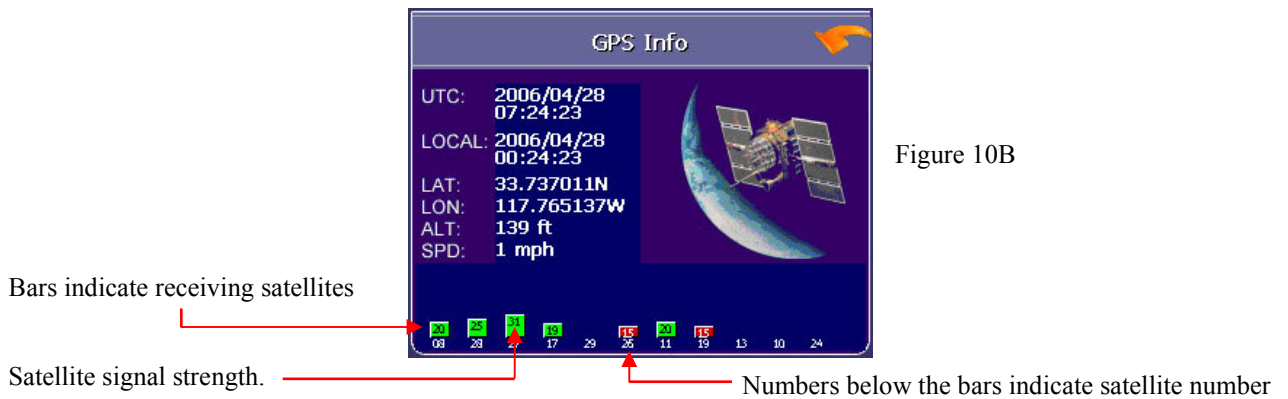
Trip Information Page

The Trip Information Page can store three different trips. The information displayed includes: trip time, top speed, average speed, total distance, date and time information.



GPS Info

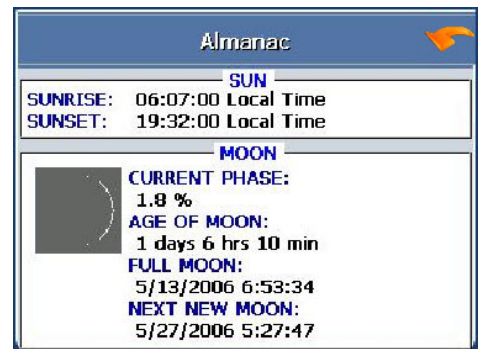
This page displays the GPS receiver’s satellite reception, local and UTC time (24hr format - independent of the GPS receiver’s own clock), current longitude and latitude, altitude and traveling speed.



The vertical bars on the Satellite page indicate the signal strength of the received satellite(s). The higher the bar, (also higher the number), the stronger the signal. The number below the bars indicates the satellite number.

Almanac

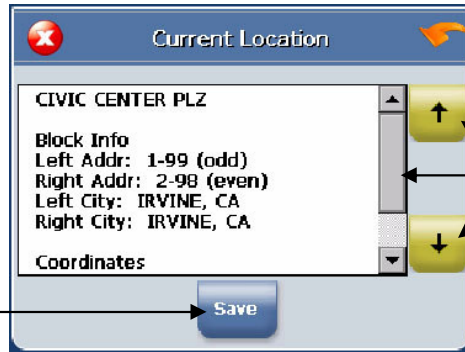
The Almanac is a simple page that provides sunrise and sunset times, current phase of the moon, age of the moon, full moon and the next new moon expected.



Current Location

Use this page to get information about the current position. From this page the location can be saved to the Favorites folder.

Tapping the Save icon will show the edit screen to allow renaming the location before saving it in the Favorites folder.



Tap on either the yellow arrow icons or the scroll bar to see all the available information.

Figure 11A

Map View Style

The map page can be viewed in different dimensions; normal 2D and three options of 3D. There are two ways to change the display view:

1. Simply press the directional button in the down position to change from the default 2D viewing to 3D.
2. Go to: **Main Menu/Settings/Display Options/3D View** and change the option.
3. Tap either the OK Icon to accept or the X to cancel.

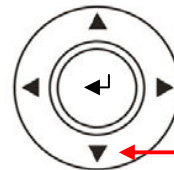


Figure 11B
Generic button shown

Press the down arrow to change views



Select the display viewing style

Figure 11C

Note: 3D view only has 5 levels of zoom.

2D View

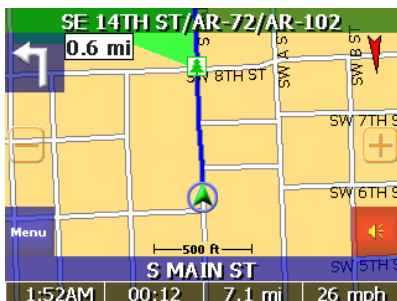


Figure 11D

One of three 3D Views

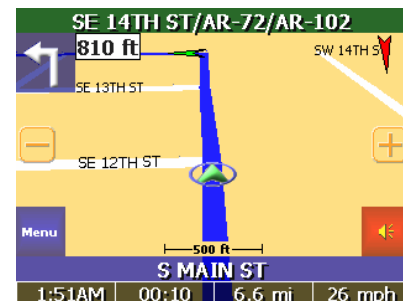


Figure 11E

Creating and Using an Auto Route

When an auto route is selected the map page will show the route on the map by changing the road color to blue.

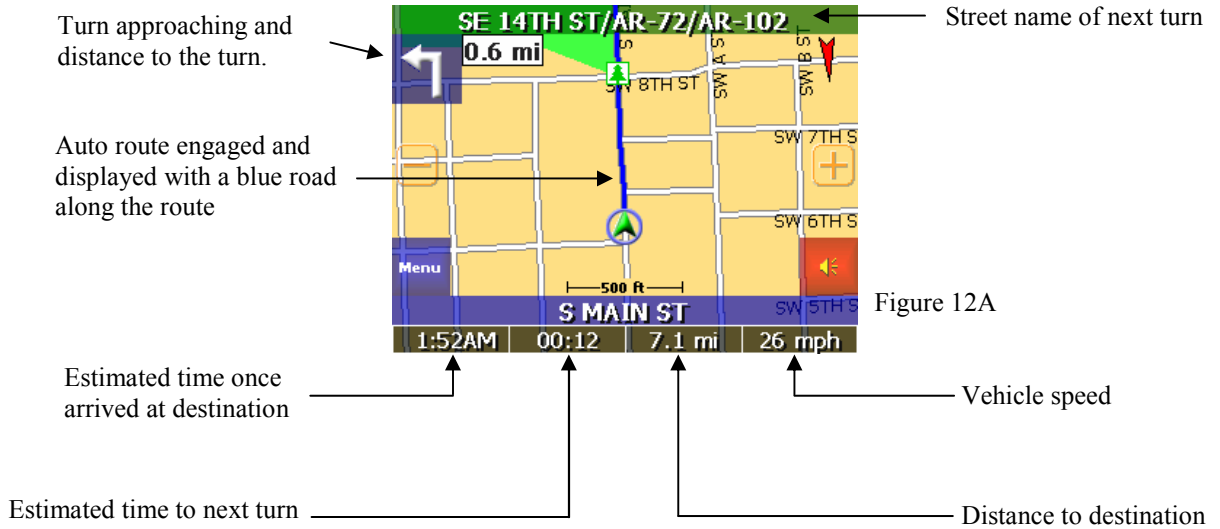


Figure 12A

To start an auto route, begin from the map page. Tap the Menu icon and from the Main Menu page tap on the Destination icon.

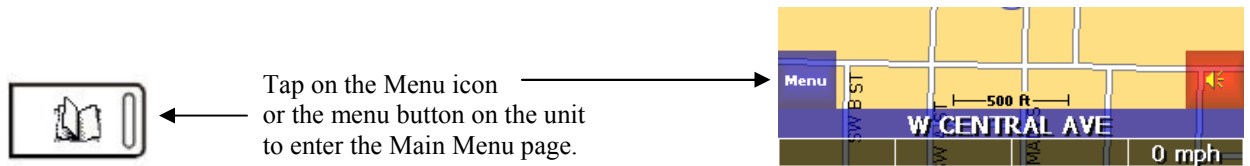


Figure 12B

Tap on the Menu icon or the menu button on the unit to enter the Main Menu page.

Generic menu button

Tap on the Destination icon to enter the Destination Menu page.

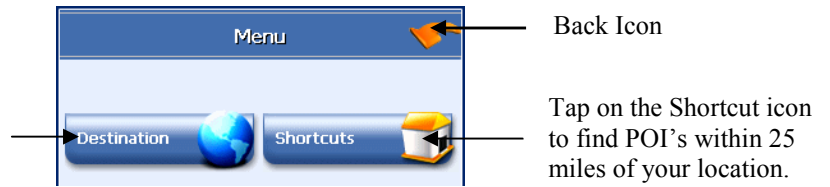


Figure 12C

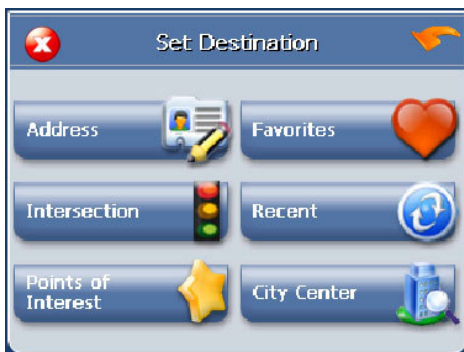


Figure 12D

When the Destination Menu is shown, select the category to create an auto route.

The following pages cover how to create an auto route from these categories in Figure 12D.

Creating and Using an Auto Route - continued

Destination by Address

1. Tap **Menu**, **Destination**, **Address**.
2. Tap **Change** to select the state in which to search.
3. Tap **Street First** to enter the street name first or **City First** to enter the city name first.

Figure 13A



Note: Any time the keyboard is displayed, the wMap program will display choices that closely match the category name being typed. Tap the OK icon once a choice is correctly shown.

If **Street First** is selected

Enter Street Name



Figure 13B

1. Enter street name and tap **OK**.
- (!) Advisory - DO NOT ENTER STREET TYPE. For *Main Street* just enter *Main*. **Note:** The wMap program will display choices that closely match the street name being typed. Tap the **OK** icon once a choice is correctly shown.
2. Enter house number and tap **OK**.
3. From the match list, select the desired address.
4. Tap **Nav** to navigate to this location or;
5. Tap **Fav** to add this location to the Favorites folder or;
6. Tap **Map** to set this location as your starting point and see the location on the map.



Figure 13C

If **City First** is selected

Enter City Name

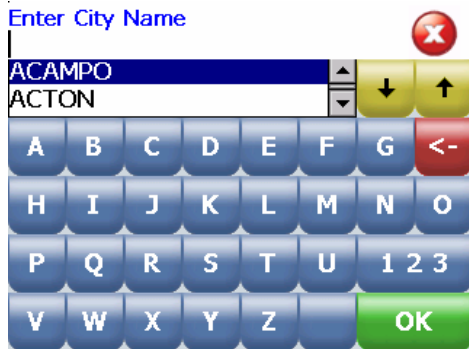


Figure 13D

1. Enter city name and tap **OK**.
2. Enter street name and tap **OK**.
- (!) Advisory - DO NOT ENTER STREET TYPE. For *Main Street* just enter *Main*.
3. Enter house number and tap **OK**.
4. From the match list, select the desired address.
5. Tap **Nav** to navigate to this location or;
6. Tap **Fav** to add this location to the Favorites folder or;
7. Tap **Map** to set this location as the starting point and see the location on the map.

(i) Information - If a large number of records are found by the Street First method, the program will automatically revert to City First method.

Creating and Using an Auto Route - continued

Destination by Intersection

1. Tap **Menu**, **Destination**, **Intersection**.
2. Tap **Change** to select the state in which to search.
3. Tap either **Street First** to enter the street name first or **City First** to enter the city name first.



Figure 14A

If **Street First** is selected:



Figure 14B



Figure 14C

1. Enter street name and tap **OK**.
- (!) Advisory - DO NOT ENTER STREET TYPE. For *Main Street* just enter *Main*. **Note:** The wMap program will display choices that closely match the street name being typed. Tap the **OK** icon once a choice is correctly shown.
2. Enter the name of the cross street and tap **OK**.
- (!) Advisory - DO NOT ENTER STREET TYPE. For *Main Street* just enter *Main*.
3. From the match list, select the desired intersection.
4. Tap **Nav** to navigate to this location or;
5. Tap **Fav** to add this location to the Favorites folder or;
6. Tap **Map** to set this location as the starting point and see the location on the map.

If **City First** is selected:

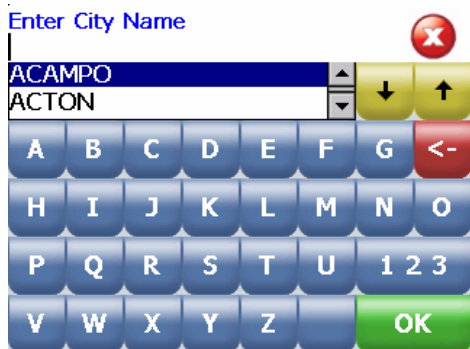


Figure 14D

1. Enter city name and tap **OK**.
2. Enter street name and tap **OK**.
- (!) Advisory - DO NOT ENTER STREET TYPE. For *Main Street* just enter *Main*.
3. Enter the name of the cross street and tap **OK**.
- (!) Advisory - DO NOT ENTER STREET TYPE.
4. From the match list, select the desired intersection.
5. Tap **Nav** to navigate to this location or;
6. Tap **Fav** to add this location to the Favorites folder or;
7. Tap **Map** to set this location as the starting point and see the location on the map.

(i) Information - If a large number of records are found by the Street First method, the program will automatically revert to City First method.

Creating and Using an Auto Route - continued

Destination by Points of Interest (POI)

1. Tap **Menu**, **Destination**, **Points of Interest**.
2. Tap one of the categories for Points of Interest.
3. Tap a sub category (See figure 15B) or selection (if shown)
4. There are 4 options for how the POI list appears:
 “Within 25 Miles” - Select **Alphabetical** or **By Distance**
 “Under *State*” - Select **List All** or **By City**.

If **Alphabetical** is selected:

1. Enter the name of the destination. (See Figure 15D)
2. Select a matching POI location from the list.
3. Tap **OK** to accept the location. The location details will be shown.
4. Tap **Nav** to navigate to this location or;
5. Tap **Fav** to add this location to the Favorites folder or;
6. Tap **Map** to set this location as the starting point and see the location on the map.

If **By Distance** is selected:

1. Select a POI from the list
2. Tap **Nav** to navigate to this location or;
3. Tap **Fav** to add this location to the Favorites folder or;
4. Tap **Map** to set this location as the starting point and see the location on the map.



Figure 15A



Figure 15B



Figure 15C



Space Bar

Figure 15D



Figure 15E

Creating and Using an Auto Route - continued

Destination from Favorites

1. Tap **Menu, Destination, Favorites**.
2. Select a destination from the list if you have already created one.
3. Tap **Nav** to navigate to this location or;
4. Tap **Map** to set this location as your starting point and see the location on the map or;
5. Tap **Edit** to create a label such as HOME for this destination or change the label if one already exists or;
6. Tap **Del** to delete this location from the Favorites folder.

Favorite location list.
Blue indicates selected favorite location.



Figure 16A



Figure 16B

Destination from Recent

1. Tap **Menu, Destination, Recent**. (See Figure 16A)
2. Select the destination.
3. Tap **Nav** to navigate to this location or;
4. Tap **Map** to set this location as your starting point and see the location on the map or;
5. Tap **Fav** to add this location to the Favorites folder or;
6. Tap **Del** to delete this location from the Recent list.



Figure 16C

Destination from City Center

This option auto routes to a city instead of a street or POI. City choices can be made statewide or within 25 miles from the current location.



Figure 16D

Creating and Using an Auto Route - continued

To Set a Detour

The wMap software offers the ability to detour around a section of street that you are currently driving on. The Detour feature will only be present if a destination has been entered.

1. Tap **Menu, Destination**. The current destination will be shown.
2. Tap **Detour** and the display will show three distance options.



Figure 17A

3. Tap one of the distance icons to create a Detour route.

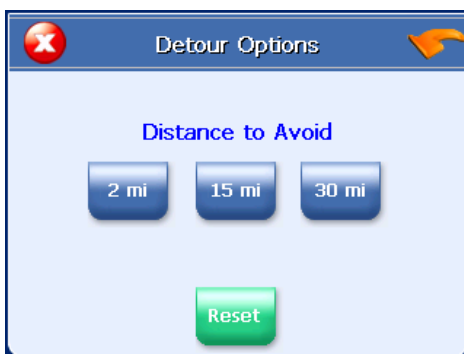


Figure 17B

To Cancel Detour and revert back to the original route

1. Tap **Menu, Destination**. The current destination will be shown.
2. Tap **Detour, Reset**.

To Add a Stopover

Stopover is a feature that offers to set an intermediate destination after a final destination is selected. For example, if traveling from Los Angeles, CA to Las Vegas, NV, where Las Vegas is the final destination, enter a Stopover for a rest break along the way. The Stopover feature will only be present if a destination has been entered.

1. Tap **Menu, Destination**. The current destination will be shown.
2. Tap **Stopover** then enter a new destination. (See Figure 17A)
3. wMap will route to the Stopover destination.
4. Once at the Stopover, wMap will ask you if you want to proceed to the original destination.

To Cancel a Stopover Destination and Revert Back to the Original Destination

1. Tap **Menu, Destination**. The current destination will be shown.
2. Tap **Clear Route**.
3. Tap **Yes** when prompted to continue to original destination.

Creating and Using an Auto Route - continued

To Set the Route Options

1. Tap **Menu, Route Options** to open the Route Options screen.
2. Select the desired option(s).
3. Tap **OK** to accept or **Cancel** to reject changes.

Method: Selects the method of routing. The quickest route, shortest route, route that favors major roads, or route that favors local roads.

Ferries: Selects whether ferries should be included or excluded in the route calculation. **Note:** selecting ferries does not include ferry schedules or time spent on the ferry.

Toll Roads: Selects whether toll roads should be included or excluded in the route calculation.

Carpools: Selects whether carpool lanes (High Occupancy Vehicle lanes) should be included or excluded in the route calculation.

Turns: Selects more or less turns in the auto route.

Yellow color indicates selected option



Figure 18A



Figure 18B

To Demo an Auto Route

The wMap software offers the ability to demo an auto route. The Demo feature will only be present if a destination has been entered.

1. Tap **Menu, Destination**. The current destination will be shown.
2. Tap **Demo** and the unit will “drive” the complete route. The word “PLAY” will be shown on the upper right side of the map indicating that the Demo mode is functioning.

To cancel Demo mode:

1. Tap **Menu, Destination** and tap the **Stop** icon to cancel demo mode. The Stop icon replaces the Demo icon while in Demo mode.

Setting Options



Figure 19A

To Set Local Settings

Correctly setting the local time will allow the software to properly show the local time. From this menu the following can also be selected: Language, Unit of Measure and Daylight Savings Time.

1. Tap **Menu, Localization** to open the local settings menu.
2. Select the correct settings for the area traveling.

To Set the Display Options

1. Tap **Menu, Display Options** to open the Display Options screen.
2. Select the desired option(s).
3. Tap **OK** to accept or **Cancel** to reject change(s).



Figure 19B

Orientation: Orients the Map screen so that the driving direction is pointing up or North is pointing up (See page 7).

Guidance: Sets the Guidance screen to automatically switch when getting closer to a turn maneuver, or have it appear only when manually selected.

Day/Night: The Auto setting changes from Day to Night Mode automatically at approximately sunrise and sunset. Select “Day” to have the display be bright or select “Night” to have the display change to be better suited for night driving.

POI Icons: The “default” setting will display only commonly displayed icons that appear on the map at 1000 ft zoom level or closer. The “Off” option turns off all POI icons so that none are displayed. The “Custom” option allows which type or category of POI to be displayed.

Color: Sets the background color of the map page to several color choices.

3D View: Sets the viewing angle from the default setting of 2D to 3 different 3D views. **Note:** when map page is set to 3D, tapping on the map will not provide POI information. Different views can be toggled from 2D to 3D by pressing down on the directional button.

Setting Options - continued

To Create or Add to the Favorites List

1. Enter a destination.
2. From the match list, tap **Fav**.
3. Tap **OK**.

- or -

1. Tap **Menu, Recent**.
2. Select a recent destination.
3. Tap **Fav**.
4. Tap **OK**.

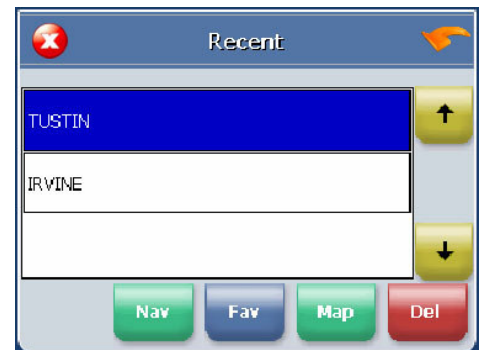


Figure 20A

To Add a label to your Favorites

1. Tap **Menu, Destination, Favorites**.
2. Select a destination.
3. Tap **Edit**.
4. Enter a label using the keypad.
5. Tap **OK**.

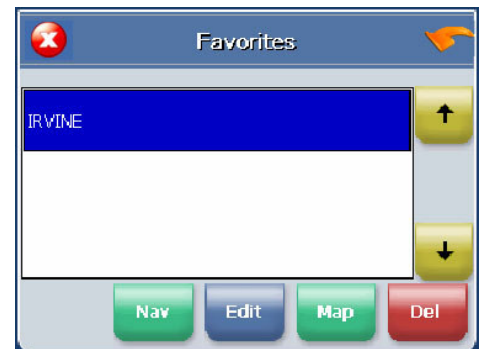


Figure 20B

Programming the GO HOME Shortcut Icon

1. Tap **Menu, Shortcuts, Set Home**.
2. Tap **Change** to select the state in which home is located.
3. Tap either **Street First** to enter the street name first or **City First** to enter the city name first.
4. Finish entering the home address and if needed, select the correct address from the list shown.
5. Tap on the **Save as Home** icon.
6. A confirmation page will be displayed, tap **OK** if correct.



Figure 20C

Using the “Go Home” shortcut

Now when setting a destination back to “Home”, simply tap **Menu, Shortcuts, Go Home**.

The unit will set an auto route to the programmed “Home” location. Remember, the Home button doesn’t have to be a home—it could be a favorite location or a host hotel during a vacation.

Note: The POI’s listed in Figure 20C are within 25 miles of the current position. Select a POI category and the nearest to the furthest will be listed with mileage and direction.

Panning and Zooming

To Pan the Map

From the Map screen tap and drag the map area.

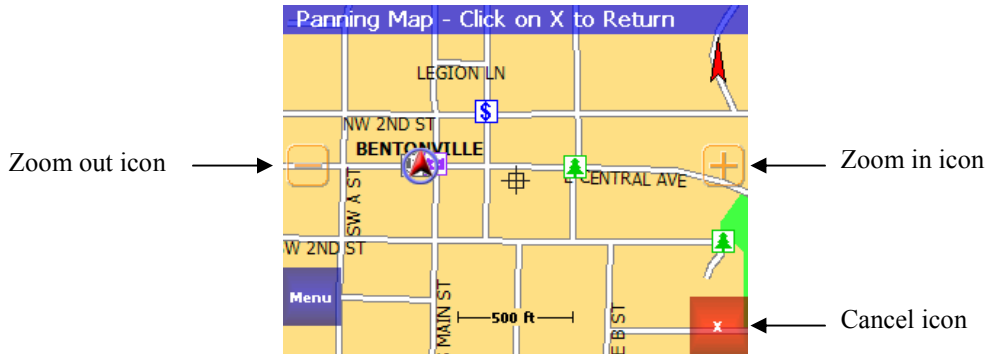


Figure 21A

(i) Information - While in Panning Mode, tap the X icon to return to the Map screen. Tap on the North icon displayed to rotate the map so that North or Heading is pointing up.

To Zoom In and Out

Use the hardware up and down buttons to zoom in and zoom out. You can also use the zoom icons (+/-) on the Map screen. See figure 21A.

(i) Information - The Map screen is the only view that allows zooming and panning.

To Adjust the Guidance Volume Setting

1. Tap **Menu, Volume**.
2. Select the volume level.
3. Tap the **Test** icon to hear the volume level.
4. Tap **OK** to accept and return to Map screen.

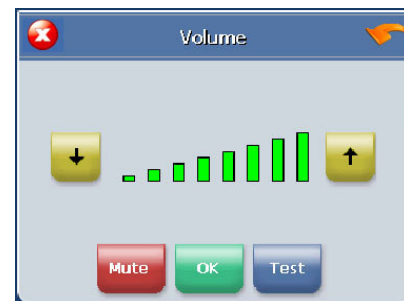


Figure 21B

About Screen

To find out what version software the GPS unit is using, tap the **Menu** then **System Information** icons. To return the main menu tap the “arrow” icon.



Figure 21C

Speed Alert Setting

1. Tap **Menu, Settings, Speed Alert**.

2. Select desired speed alert:

Auto will use the speed limit for the classification of the road traveling. **Note:** Speed zones may have changed, obey all posted speed limits! Tap the **Auto** icon and then tap **OK** to set the Speed Alert.

Fixed allows any speed to be programmed. Tap the **Fixed** icon and the MPH box will be highlighted. Simply tap in the speed that the unit will alarm at and tap **OK** to set the Speed Alert.



Figure 22A



Figure 22B

The speed readout on the map page will turn red and the unit will emit a warning beep when the vehicle exceeds the set speed limit.

Installing Maps

Some models may require loading the correct map data onto a SD/MMC card and then placing it into the GPS receiver before you can use the unit. If the maps are preloaded for the country you are traveling in, skip the following steps. If traveling in a different country other than what is preloaded, continue with the following steps.

Important! Make a backup of the preloaded maps (if included) and save them to a folder on the computer.

To install maps:

1. Put the CD/DVD into the CD/DVD drive on the computer. If the PC does not automatically open the CD/DVD go to My Computer icon on the PC's desktop and click on the CD/DVD drive.
2. Place a blank SD/MMC card into the card reader/writer. This card should appear as a drive letter, e.g. "E:." Check the memory status to confirm that your storage card has sufficient memory.
3. Open the folder for the country that is available and copy the files for this country to the SD/MMC card.

Troubleshooting

My GPS doesn't seem to be working

- Check the GPS Info screen to confirm GPS reception.
- Perform a Reset and restart. See hardware manual for details.
- Check to see if the batteries are low.
- Charge the battery on the GPS receiver.

The car cursor is red continuously

- If required, make sure that the GPS antenna is properly connected.
- If GPS receiver utilizes a flip out antenna, make sure it is properly positioned (See hardware manual).
- Check the GPS Info screen to confirm GPS reception.
- Check to see if the GPS receiver has a clear view of the sky.
- If not, move to a location where the GPS receiver's view of the sky is not blocked.
- Perform a Reset and restart.

A message on the display says "Outside of Map Area"

- If you are indoors or if the GPS receiver's view of the sky is obstructed, the program may think you are at an inaccurate location.
- Move to a location where the GPS receiver's view of the sky is not blocked
- You may have driven beyond the coverage of the map loaded in the SD/MMC card.

Frequently Asked Questions

Q: What is GPS?

A: GPS stands for Global Positioning System. It is a system of satellites launched by the United States Government used to calculate your coordinate position on the earth's surface.

Q: What is routing?

A: Routing is the calculation of a driving route from a starting point to a destination.

Q: What is navigation?

A: Navigation is the turn-by-turn directions for assisting you through the driving route that has been calculated to your destination.

Q: What is voice enabled output (direction)?

A: Voice enabled output is the verbal directions for the route. Example: Turn Left in 1000 feet.

Q: How accurate is GPS?

A: GPS accuracy is dependent on the hardware. Typically, GPS provides position accuracy to 10 or 30 meters depending on the GPS receiver and external conditions (weather, number of satellites, etc).

Q: Do I have to pay a monthly fee for the services?

A: No. There are no fees to use GPS.

Q: Will it work indoors?

A: No. GPS receivers require a view of the sky to receive the necessary signals from the satellites. Similarly, GPS will not work in a tunnel or under a freeway overpass.

Q: Can someone track me with it?

A: No. People cannot track your movements.

Q: Can I use this software with any other GPS receiver?

A: No. This software is intended for use with the bundled hardware. No other GPS receivers are supported.

Q: Will it work in another country? Canada, Mexico, Japan, England?

A: GPS can provide positional coordinate for the earth's surface as long as the receiver has a clear view of the sky (and the GPS satellites). However, maps, navigation and routing are only provided for the country(s) included on the CD/DVD.

For additional help or for warranty information, refer to the hardware manual, our FAQ page on the web site or contact Customer Service at 800-531-0004.