



Pub. 988-0160-201

With you every turn of the way™



way™ 250c

Turn-by-Turn Mapping GPS and MP3 Player Operation Instructions



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WARNING!

A CAREFUL NAVIGATOR NEVER RELIES ON ONLY ONE METHOD TO OBTAIN POSITION INFORMATION.

CAUTION

When showing turn-by-turn navigation data, a GPS unit will show the shortest, most direct route to the destination. There are times when it may give directions, such as a U-turn, that may be prohibited in some locations. While navigating, a driver is responsible for noting all traffic signs and obeying all local traffic laws. When following turn-by-turn directions, a driver must take advantage of all available navigation tools, and must visually check to make sure a clear, safe path to the next destination is available.

WARNING!

When a GPS unit is used in a vehicle, the vehicle operator is solely responsible for operating the vehicle in a safe manner. Vehicle operators must maintain full surveillance of all pertinent driving conditions at all times. An accident or collision resulting in damage to property, personal injury or death could occur if the operator of a GPS-equipped vehicle fails to pay full attention to travel conditions and vehicle operation while the vehicle is in motion.

Do not attempt to configure, adjust or enter information into your GPS unit while driving.

Preface: Introducing GPS

And, how this manual can get you out on the road, fast!

Welcome to the exciting world of turn-by-turn GPS navigation. Before you grab the iWAY 250c™ GPS unit and begin installing it, please give us a moment or two to explain how the manual can help you get the best performance from your mapping GPS receiver and MP3 music player. Our goal for this book is to get you on the road fast with a minimum of fuss.

The manual has been designed so you *don't* have to read the *whole thing* from front to back for the information you want. At the start (or end) of each segment we will tell you what content is coming up next. If it's a concept you are already familiar with we will show you how and where to skip ahead for the next important topic. We have also made it easy to look up any tips you may need from time to time. Here's how:

The manual is organized into five sections. This preface will introduce you to GPS, your iWAY unit and the manual's organization. The first section will help you install the iWAY in your vehicle. We also will show you how to use the USB cable to connect the iWAY to your PC. We will finish by describing some of the available accessories.

Section 2 covers *Mapping Mode Operation*. It will show you how easy it is to run the iWAY right out of the box. This section features a one-page GPS Practice Run. If you have already jumped ahead and figured out how to install the unit yourself turn to the Map Mode Practice Run on page 12 and head for the road with your GPS unit.

In Section 3 we leave Mapping mode and introduce you to *Music Mode Operation*. The manual will explain everything you need to know about getting music into your iWAY, arranging the files on your memory card and creating and using play lists. If you are in a hurry to get some music playing skip to the Music Practice Run on page 21. To learn how to copy music files to the iWAY see the included supplemental document "Making USB Connections Between iWAY 250c™ and Computers."

Section 4 describes the Options Menu, the commands used to configure settings such as screen brightness, sound levels and units of measure. We will also show you how to use features like the Trip Calculator.

Finally, in Section 5, the manual will go into detail on how to search for and navigate to points of interest, addresses and contacts you have created. We will also offer tips on how to understand and follow the automatic turn-by-turn routes you have created. Before we go any further we would like to take just a moment to explain how the iWAY works.

How Lowrance GPS and the GPS System Work

You will navigate a little easier if you understand the basics of how the iWAY scans the sky to show you where you are and where you are going.

You will use the iWAY's touch screen to enter commands and control its functions. As long as there is no interference – and the unit is locked on to a satellite signal – it will display your location on a moving map and help guide you to your destination. A built-in speaker allows you to hear verbal turn-by-turn driving instructions and listen to MP3 music files.

The internal antenna tunes in to a couple of dozen GPS (Global Positioning System) and WAAS satellites circling the earth. The unit listens to signals from as many satellites as it can "see" above the horizon then computes its location in relation to those satellites. The iWAY plots your position on the map display on-screen. The iWAY's 2 gigabyte SD Card contains highly detailed road and highway mapping data either for the U.S. or Western Europe, depending on which version of the unit you have purchased.

If you have purchased the U.S. version of the iWAY the SD card should contain mapping data for Hawaii, Alaska, the 48 contiguous United States and most of Canada.

If you have purchased the European version of the iWAY the SD card should contain mapping data for Andorra, Austria, Belgium, Channel Islands, Denmark, Germany, Greece, England, Finland, France, Gibraltar, Ireland, Isle Of Man, Italy, Liechtenstein, Luxembourg, Monaco, Netherlands, Northern Ireland, Norway, Portugal, San Marino, Scotland, Spain, Sweden, Switzerland, Vatican and Wales.

CAUTION:

You must exercise care when using the SD Card with the mapping data because the data can be erased from the card. We suggest you back up the SD Card mapping data to another card or your home PC.

For the system to work the unit must have a clear view of the satellites. Unlike radio or television signals GPS works at very high frequencies. These signals can be easily blocked by trees, buildings, an automobile roof, even your body. If you would like to know more about GPS and its companion system WAAS, visit our web site and check out the GPS Product Guide section (www.lowrance.com/Support/gps.asp). It includes a GPS tutorial, frequently asked questions and a glossary.

Section 1: Installation & Accessories

This section describes the various accessories and cables that came with your iWAY and exactly how to use them. Important information contained in this section includes how to connect the iWAY to your car's power and how to use the USB-to-PC cable to add songs or picture files to your MMC or SD Card. If you need help using any of these accessories look through this section. Otherwise, move on to *Section 2: Mapping Mode Operation*. You can also turn to the beginning of Section 3 if you would like to learn about iWAY's Music Mode.

Power Cable

The iWAY operates on an internal rechargeable battery. When the included power cable is connected the iWAY draws power directly from the power cable and recharges the internal battery. The power cable is designed to plug into a car's cigarette lighter. An optional power adapter for home use is available.



The iWAY 250c™ Power cable.

Flash memory will keep any stored data safe and accessible for the life of the product. No battery or external power is needed to save your data after the unit is turned off. To use the power cable, plug the cable's cigarette lighter adapter into a cigarette lighter receptacle. Then insert the other end of the cable into the power socket on the side of the unit as shown in the following image.



Attaching power cable to iWAY.

NOTE:

When operating on external power the iWAY is designed to enter a Standby mode if the external power source fails. For full details see the discussion of power button functions in Section 4.

External Power and Standby Mode

The iWAY has an optional Standby Mode (on by default) which allows the unit to conserve power while not in use. When the iWAY is in Standby Mode it will activate quickly when powered up. If the iWAY is running on external power and the power source is removed the iWAY will display a dialog box informing you that it is about to enter Standby Mode. If you want to keep operating the iWAY touch the screen to interrupt automatic Standby. However, if the iWAY does enter Standby in this manner it will automatically restart (or "wake up") as soon as external power is reconnected.

Tip:

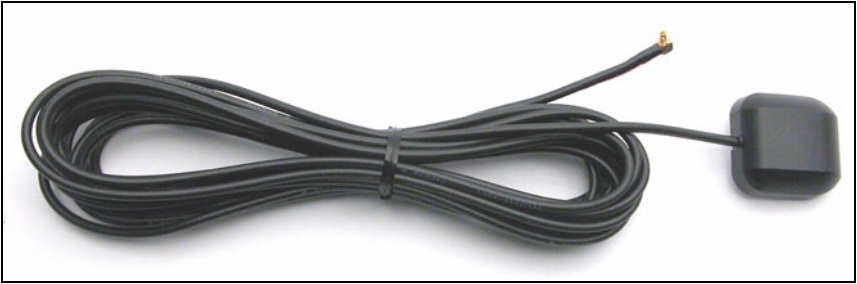
These features of Standby Mode can be particularly useful in vehicles where the ignition controls the cigarette lighter. In such vehicles connect the iWAY to external power. Turning the car off will automatically place the iWAY in Standby and starting the car will restart the iWAY.

External Connections

On the left side of the unit are two sockets for external connections. These are, from top, the USB cable connection and the headphone connection. The sockets on the right side of the iWAY, from top, are the external GPS antenna, MMC card slot and external power cord. The power button also is located on the right side of the unit.

NOTE:

Certain vehicles are equipped with special windshields containing metal in the glass. These models may prevent any GPS unit from receiving satellite signals and establishing a "lock." If the GPS will not navigate inside, test it outside the car. Also, confirm the windshield type by consulting your vehicle's owner's manual or the vehicle dealer. If the iWAY has difficulty receiving satellite signals you can use an optional external antenna. Some of these windshields have a specific location where the external antenna will work. Otherwise you must place the external antenna near a side window, a rear window or on the car exterior with the magnet mount. To buy an external antenna, see the accessory ordering information inside this manual's back cover.



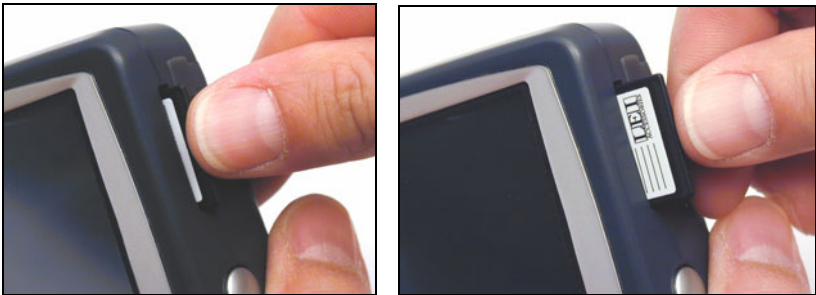
The RAA-5 external antenna for the iWAY™ 250c. The GPS antenna module can be mounted to any flat surface. The magnetic back allows the antenna module to be used on almost any steel surface.

USB-to-PC Cable Connection

The iWAY comes with a cable designed to allow you to copy files from your computer to the iWAY's MMC or SD Card. In this way the unit acts like a card reader. Please read the supplemental document *Making USB Connections Between iWAY™ 250c and Computers*, part 988-0154-621, which should be included with this unit. The supplemental document contains information on attaching and using the USB-to-PC cable connection.

MMC or SD Card

On the right side of the unit is the MMC or SD Card slot. To insert an MMC card hold it so that the label faces forward and slide it into the slot, pushing with your fingernail until the card locks in place. To remove the card, again use your fingernail to push the card which will release the catch and eject the card.



The MMC slot is located on the right side of the iWAY.

Getting Music and Pictures on Your iWAY

Since the 2 GB (gigabyte) MMC card shipped with the iWAY contains the mapping data for the unit there may be very limited or no space to store MP3, Ogg Vorbis or JPEG files on the card. Also, when the MMC

card containing mapping data is removed the unit's map mode will not work. You must have the MMC card with the mapping data in the unit for map mode to work.

You will need additional MMC cards in order to store music and picture files. Whenever you switch to Music Mode or launch the Pictures slideshow the iWAY automatically searches the memory card for media files.

With the memory card inserted in the unit use the provided USB-to-PC cable to connect the iWAY to your computer. Once connected, you can treat the memory card like a removable disk. That means you can add new folders, rename folders or files, and copy and delete files the same way you would on a computer.

Before you copy your music onto the card consider creating subfolders to sort your music by artist, album or genre. However you prefer to arrange your music. The iWAY makes it easy to play a whole folder at a time so if you arrange your music well when you copy it to the card playing the right songs when you want to hear them will be a breeze. Once you have the files you want copied to your MMC or SD Card the iWAY can play them at your convenience.

Mounting Brackets

Several mounting brackets are available for your iWAY through LEI Extras. Permanent and temporary mounts suitable for virtually any boat, aircraft or other vehicle – even motorcycle handlebars – are available. Each of these mounts work without screws or adhesives. To safely install your GPS unit in your vehicle you must refer to the instruction sheet packed with the mounting bracket.

Other Accessories

A fabric face cover, to protect the screen from damage, is available as an optional accessory sold separately from the iWAY unit. To check the availability of optional iWAY accessories go to our web site at www.lei-extras.com.



The iWAY 250c™ shown with the optional protective face cover.

Use a microfiber towel to clean the unit's screen. The microfiber towel also is an optional accessory available on the lei-extras web site. Or check your local retailer as they are often available where shop towels or auto cleaning towels are sold.

CAUTION:

Do not use any chemicals, including window cleaners, on the iWAY screen or damage may occur. Cleaning fabrics other than a microfiber towel may scratch the screen. Damage caused by incorrect cleaning is not covered by the warranty. We strongly recommend you only use a microfiber towel to clean the unit's screen.

The unit comes with a stylus. The stylus is a narrow plastic staff similar to a small ball point pen. It is stored in the back of the unit at the bottom.

The stylus is used to input commands on the unit's touch screen versus using your finger. This will avoid the natural oil from your hands getting on the screen.



The iWAY and stylus pictured at left. In the right image you can see where the stylus is stored in the back of the iWAY.

Moving On: iWAY Operation

Now that you have installed your iWAY it's time to find out how it works. The following section jumps right into a description of Mapping Mode Operation which will tell you everything you need to know about the iWAY's moving map and the various settings on the map display. If you prefer, you can skip to the beginning of Section 3 to start learning about iWAY's Music Mode.

Remember, the MMC card shipped with the unit contains the mapping data. You must have this card inserted in the unit for the map mode to work. Whenever this card is removed from the iWAY the unit will not display any map information.

Section 2:

Mapping Mode Operation

This section addresses the unit's *Mapping Mode* operation. Mapping Mode includes all navigation features from finding the nearest restaurant to plotting a road trip across the country. Before you turn the unit on it's a good idea to learn about the different menus and how they work together. But if you just can't wait to get navigating turn to the one-page *Map Mode Practice Run* on page 12.



iWAY 250c™ GPS unit.

The Power Button

The Power button turns the unit on and off and controls the backlight. The unit has three preset backlight levels to select from. Repeatedly pressing **POWER** will cycle through the backlight settings and turn off the backlight.

To turn the unit off – or enter Standby mode – press and hold the **POWER** key for 3 seconds. For complete details concerning Standby mode see the discussion of power button functions in Section 4. If you find that the unit has become unresponsive you can force it to shutdown by using the stylus and pressing firmly on the button located at the bottom of the unit. The button is recessed in a hole at the bottom of the unit. Pressing this will force the unit to power off.

Using the Touch Screen

As mentioned earlier you will use the touch screen for most of the iWAY's controls. You will see on-screen toolbars as well as menus and textual lists that allow you to select a single entry.

Since the iWAY screen responds to pressure, with practice, you will learn exactly the right amount of pressure to operate the touch screen controls. Buttons are easy while scrollbars can be a little more challenging.

NOTE:

From time to time you may notice a slight delay between pressing an on-screen button and seeing the iWAY respond. The delay may be necessary while the iWAY retrieves information from the hard drive. If the iWAY does not immediately respond to a touch screen command look for the hourglass icon in the lower left corner of the screen. Wait until the hourglass disappears from the screen before entering another command.

"Press and Drag"

Some controls, such as the scrollbar or the zoom selection box which we will describe later in this section, require you to press and drag an item on the touch screen.

The term "press and drag" will be used throughout this manual. It refers to the motion of selecting an item on-screen by pressing on it then maintaining that pressure while you drag the item to a new location on the screen.

Closing Menus

Menus and dialogs that appear on your screen will all have an "X" icon in the top right corner, just like you are used to seeing on your home computer. Remember that all menus and dialogs can be closed by pressing **X**.

The Main Menu

When using the iWAY in either Map Mode or Music Mode press the **MENU** button located in the top left corner of the screen to open the Main Menu. The Main Menu contains commands that let you switch modes, perform searches or customize the iWAY's behavior.



The iWAY Main Menu.

Map and Music

Use the Map and Music buttons to change the iWAY's mode. Map Mode shows your current position on a moving map as well as information concerning your current route. Music Mode allows you to choose the audio play list, adjust volume and set various play controls. The rest of this section concerns Map Mode operation.

Options Menu

The Options Menu has 3 pages with settings that control iWAY operation or provide additional information. The iWAY works great right out of the box but as you become more familiar with the unit and what it can do you will eventually want to begin customizing some of these settings. The Options Menu is accessible from the Main Menu, just select **OPTIONS**.

Section 4 describes each of the Options Menu features and commands in detail. All of these options come with default values right out of the box so you may never need to make changes.

Find

The Find Menu contains three pages of search options, designed to let you find any destination quickly and easily. See Section 5 for details on searching and following a generated route.

The following page contains a 10-step "Practice Run" that will walk you through the most basic Mapping Mode operations. If you do not want to carry the manual with you as you operate the unit you might consider photocopying this practice run page and placing it where it is easily accessible. Using just the steps outlined here you can operate your iWAY's Mapping Mode well enough to find your current location and find your way to a destination.

Map Mode Practice Run

Start with the iWAY installed in your car. You should start out navigating to a destination you are already familiar with. Don't be too surprised if the iWAY suggests a different route than you would take. Try the iWAY's route. Then see "Knowing the Area" in Section 5.

1. Connect the unit to your car's power.
2. Press the **POWER** key.
3. With your position acquired, press anywhere on the map display to bring up the Map Cursor and the Map Display Toolbar. Here you can:

Zoom in or **Zoom out** using the + and – buttons on the Toolbar. **Zoom on an area** using the zoom selection box button on the Toolbar. **Scroll map** north, south, east or west by pressing on the map display and dragging the map to show the area you are interested in.

4. Choose your destination. Find an interesting location within a short driving distance from your house and press on the screen at that location. You will see the Map Cursor pointing to the position you selected.

5. Press the Location Information button in the top right corner of the page. It looks like the image at right and can be used to open up detailed information for any item selected on the map.



6. The Location Information Screen appears showing details about the location you selected including its distance away from your current position and its lat/lon coordinates. Choose **Go To** to begin navigating. The Location Information Screen will disappear and navigation instructions will begin to appear on your screen.

7. Press the **CLEAR CURSOR** button (the button with a big "X" on it) to close the toolbar. If Auto Zoom is on any changes to the zoom level will reset when you Clear Cursor. Then press the Save Location button – a button with a flag in the top right corner – to mark your starting location. Choose **ADD TO ADDRESS BOOK** and then close all windows to return to the map.

8. Follow the iWAY's directions to the selected location. If you are comfortable finding your way in the area try departing from the route the iWAY provides to see how it recalculates to correct for wrong or missed turns.

9. To navigate back home follow steps 5-9 using the contact that you created in step 8 as your destination in step 5.

10. To turn the unit off press and hold **POWER** key for three seconds.

The Map Mode Display and On-Screen Commands

The Map Mode screen shows your current position and route from a "bird's-eye" view. By default the iWAY shows the map in a 3D view. This can be changed if you would prefer to see the map from a different perspective. See the topic *Using the Map Orientation Button* later in this section.

To switch to Map Mode from Music Mode press the **MAP** button in the Main Menu. You can do a lot with the Map Mode display. Its basic purpose is to show where you are and what's around you. The iWAY uses a black arrowhead icon to indicate your position.

The arrow always points in the direction you are traveling. When the Map Mode displays your current position the iWAY will keep this icon in the center of the screen, scrolling the map as you travel so that you can see your surroundings change.

If you pass under a highway you will see the highway on the map approach your current position icon, then scroll away behind it even as the highway overpass dwindles in your rear-view mirror. The iWAY uses the Map Mode display to provide information about your surroundings. You can also use it to explore locations other than your current position. All of the tools you will need to operate the Map Mode display are available right on-screen.

When tracking your current position the toolbar buttons on the left of the page are hidden so that you can see as much of the map as possible. You can change what's visible on the map display at any time by touching the screen. When you do, a map cursor will appear along with a toolbar containing several map display buttons.

Using the Menu Button

The Menu button appears in the top left corner of the screen. Press this button to enter the menus and submenus which allow you to toggle between Map and Music Mode, search for a destination, select a command or adjust a feature. We will discuss the Menu in the following pages and the Options Menu (accessible from the Menu) in Section 4.

Using the Speak Instruction Button

This button appears just below the Menu button. Push this button once to have the iWAY repeat the current navigation instruction or to bring up the volume control slider. If you are not navigating the iWAY will speak a short test message.

Whenever the iWAY is giving an instruction a volume control slider will appear below the speak button. You can press and drag the control

on this slider to quickly adjust the volume. For more information on sound options see the heading "Sound and Voice Setup" in Section 4.

Using the Map Display Toolbar

The map display toolbar buttons are used with the touch screen to control what part of the map you see. You can zoom all the way out to view your position relative to the continental U.S. or zoom in close on an area hundreds of miles away to see whether you will be making a left or right turn at the end of your trip.



Clear Cursor button.

**Move Map / Zoom Box button
(press to toggle between modes).**

Zoom In button.

Zoom Out button.

The Map Display Toolbar.

The Map Display Toolbar *cannot* be made partially transparent like some of the other overlay boxes covering portions of the map. When the You can control the level of transparency of some overlay boxes if you want to make them more readable. For details on controlling transparency level settings see "Transparency" in Section 4.

Clear Cursor immediately clears the cursor and toolbar from the screen and centers the map on your current position.

Move Map or Zoom Box lets you toggle between these two modes.

Move Map Mode lets you drag the map with a touch, focusing on areas other than your current location. When this button is in Move Map Mode press anywhere on the map display and a cursor will appear. Drag the stylus across the screen while pressing down and the map and cursor will move with it.

Zoom Box Mode lets you draw a box on the screen and zoom in on the map area within the box. When this button is in Zoom Box Mode press the screen at the corner of the area you want to select and drag the stylus across the area while pressing down. You will see a box appear on-

screen. When the box contains all the area you want to see lift the stylus and the map display will zoom in.

If you are starting at a very wide zoom, Zoom Box can be an extremely helpful way of narrowing down your view to exactly the area you are interested in. Once Zoom Box is activated you can keep drawing boxes on smaller and smaller areas until you are focused on just what you want to see.

Zoom In and **Zoom Out** change the current zoom level in discreet steps moving in or out from the *cursor's location*. Control the zoom to get the most detail possible while still showing all of the necessary area. Tap Zoom In once to see a smaller map area in higher detail. Tap Zoom Out once to see more area, with less detail. You can press and hold either zoom button to repeatedly zoom until you reach the right level of detail. You can use these buttons in combination with the Move Map function to quickly focus on an area other than your current location.

NOTE:

When activated the iWAY's Auto Zoom feature controls the map's zoom level any time the cursor isn't showing. This means that any adjustments you make to the zoom with the cursor up will be reset to a calculated level once you hit **CLEAR CURSOR**. If you prefer to manually control the zoom level all the time turn off the Auto Zoom feature as described in Section 4.

Using the Map Orientation Button

There are three different ways to view the map. The Map Orientation button can be found in the bottom left corner of the screen. Touch this button to switch among North Up, Track Up and 3D. North Up always shows the map with North at the top of the screen.

Track Up rotates the map so that the direction you are traveling is at the top of the screen. 3D renders the path ahead from a position above and behind your current position so that the display on the map more closely matches what you will actually see through your windshield. Practice with each mode and find out which one is right for you.

Using the Location Information Button



There's one more button that appears whenever the cursor is up. The Location Information button appears in the top right corner of the screen.

You can always use this button to bring up a screen showing details on the location selected by the map cursor. This could be a Point of Inter-

est such as a restaurant, gas station, a contact that you have saved or a map location that you would like to visit.

The Location Information Screen will include as much information as possible about the location that you have selected. If it's a cursor location, this may include only the lat/lon coordinates and the distance and bearing to the location, although a cursor location close to a road will also have the street address. If it's a Point of Interest the information should include street address and even the shop's phone number.



The Location Information Screen for a saved contact (shown left) and for a restaurant POI (shown right).

From the information screen you can choose to **GO TO** a selected location, making the iWAY generate a route. This is the easiest way to generate a route to a destination. See the heading "Navigating to a Contact" below for details. The command **FIND ON MAP** can be used to center the map on the selected location.

Creating and Saving Contacts

You can use the Location Information button to access information concerning anything from a Point of Interest to a simple cursor position. If you have selected a cursor position a button labeled "Add to Address Book" will appear on the Location Information Screen. Select **ADD TO ADDRESS BOOK** from the Location Information Screen to save a contact at the selected location.

NOTE:

You can also create a contact at your current position. If your map cursor is active choose **CLEAR CURSOR** from the Map Display Toolbar and the toolbar and cursor will disappear. The Save Location button replaces the Location Information button. This new button looks like the one at right. Press it to save a contact at your current position.



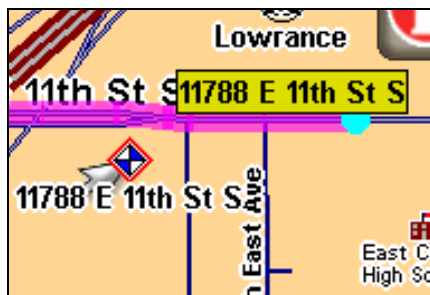
An Edit Contact screen will appear with a textbox containing the contact's name, address and phone number. You can choose to leave the address and phone number fields blank but any information you add to them will display whenever you open the Location Information screen for that contact.

You also can edit the latitude and longitude information in the Edit Contact screen by pressing on the latitude or longitude text box. There is also a Choose Symbol button and a small icon showing the contact's current symbol. The contact's lat/lon coordinates are listed to the right.

To change the contact's name, address or phone number, touch anywhere inside the relevant box and the iWAY's virtual keyboard will appear allowing you to enter new information or modify the old. To change the contact's symbol select **CHOOSE SYMBOL** and a dialog will appear showing the available symbols.

Choose the one that best represents the selected location then close the dialog by pressing **X** in the upper right corner. The new symbol will now appear below the Choose Symbol button and on the main map display.

You can select any contact by touching its symbol on the map display. When you do the map cursor will appear pointing directly to the contact and the symbol will be outlined with a red halo. The contact's name will also appear in the pop-up box.



A red halo indicates a selected contact on the map display

Whenever you have a contact selected you can press the **LOCATION INFORMATION** button to access more information about that particular location. The Location Information Screen will include detailed information about a contact as well as buttons to begin navigating to the contact (Go To), show it on the map, edit its name and display information or to delete it from memory.

Editing a Contact

You can edit a contact's name, address, phone number, lat/long or symbol by selecting it on the map and pushing the **LOCATION INFORMATION** button. Choose **EDIT** from the Location Information Screen.

The Edit Contact screen described earlier under "Creating and Saving Contacts" appears. Make changes precisely as described before.

Deleting a Contact

You can remove a contact from the iWAY by selecting it on the map and pushing the **LOCATION INFORMATION** button. Choose **DELETE** from the Location Information Screen and the contact will disappear.

Navigating to a Contact

The easiest way to navigate to a saved contact is to treat it like any other cursor position on the map. Use the zoom and Move Map buttons to get the contact on-screen then touch the contact to select it with your cursor.

Press the **LOCATION INFORMATION** button to bring up the Location Information Screen. Choose **Go To** and the iWAY will immediately begin generating a route to the selected contact.

If you have several contacts stored on your iWAY or don't want to take the time to pan over to one you also can use the Address Book command from the Find Menu. This method allows you to sort through all of the contacts on the unit either by name or by nearest to your current location. For more details on using the Find Menu see Section 5.

Section 3:

Music Mode Operation

This section addresses the unit's *Music Mode* operation. If you would rather skip ahead you can look at Section 4 which is full of details on setting up and customizing the iWAY's various options. Or you could turn to Section 5 where you will learn about Searching and how the iWAY generates Turn-by-Turn routes.

Before you start playing your music it's a good idea to learn about the different menus, the two Page screens and how they work together. If you have already read Section 2 then you know what you need to about the controls so you can skip ahead to the *Music Mode Practice Run*.

The Power Button

The Power button turns the unit on and off and activates the backlight. Press **POWER** to turn the unit on. To turn on the backlight press **POWER** again. The unit has three preset backlight levels to choose from.

Repeatedly pressing **POWER** will cycle through the backlight settings and turn off the backlight. To turn the unit off – or enter Standby mode – press and hold the **POWER** key for 3 seconds. For complete details concerning Standby mode see the discussion of power button functions in Section 4.

If you find that the unit has become unresponsive you can force it to shutdown by using the stylus and pressing firmly on the button located at the bottom of the unit. The button is recessed in a hole at the bottom of the unit. Pressing this will force the unit to power off.

Using the Touch Screen

At the beginning of Section 2 you received instructions on how to use the iWAY's touch screen. If you skipped Section 2 you might want to turn back to the heading "Using the Touch Screen." Otherwise, remember that all menus and dialogs can be closed by pressing **X** in the menu's top right corner.

The Main Menu

When using the iWAY in either Map Mode or Music Mode press the **MENU** button located in the top left corner of the screen to open the Main Menu.



The iWAY Main Menu.

Map and Music

Use the Map and Music buttons to change the iWAY's mode. Map Mode shows your current position on a moving map as well as information concerning your current route. Music Mode allows you to choose the audio play list, adjust volume and set various play controls.

The rest of this section concerns Music Mode operation. When the MMC card containing mapping data is removed the unit's map mode will not work. You must have the MMC card with the mapping data in the unit for the map mode to work.

Options Menu

The Options Menu has 3 pages of settings that control iWAY operation or provide additional information. The iWAY works great right out of the box but as you become more familiar with the unit and what it can do you will eventually want to begin customizing some of the settings.

Section 4 describes each of the Options Menu features and commands in detail. All of these options come with default values right out of the box so you may never need to make changes.

Find

The Find Menu has 3 pages of search options designed to let you find any destination quickly and easily. See Section 5 for details on searching and following a generated route.

The following page contains a 10-step "Practice Run" that will walk you through the most basic Music Mode operations. Following just the steps outlined here you can start using the iWAY to listen to your favorite songs in no time.

Music Mode Practice Run

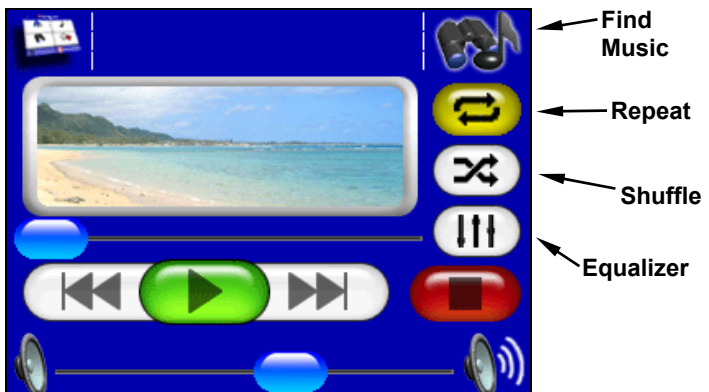
Start at your computer. You will need some MP3 or Ogg Vorbis music files. If you need help ripping your CDs to these formats consult the documentation for the CD ripper software.

1. Insert an MMC or SD Card in your iWAY and connect the iWAY to your computer as described in the supplemental instruction sheet. Turn the unit on and browse to the card.
2. Select a few of your favorite songs and copy them onto the card. For now, copy only a few songs and place them in the card's root directory. Later, you might prefer to set up subfolders in the music drive and organize your music by artist, album or genre.
3. Once the songs are copied, disconnect the iWAY from your computer, carefully observing the instructions in the supplemental document. Move the iWAY to your car.
4. Turn the unit on by pressing the **POWER** key. Remember, when the MMC card containing mapping data is removed the unit's map mode will not work. You must have the MMC card with the mapping data in the unit for the map mode to work.
5. If the Map Mode opens up press the **MENU** button in the top left corner of the screen then choose the **MUSIC** button to switch to Music Mode.
6. Touch the screen inside the Now Playing box at the top of the screen to see a list of the songs available on your card. These should match the songs you just copied. Using the touch screen choose a song from the list.
7. The song should begin to play.
8. Cancel the song currently playing by pressing **STOP**. To have iWAY create a play list of all of the songs in the music folder press the **PLAY** button with no song selected. The iWAY will begin playing the first song in its music directory.
9. The buttons to the right of the Visualization Area control the Repeat and Shuffle options. Press **SHUFFLE** to toggle it on. The button should turn yellow. Now press **NEXT SONG** and the iWAY will randomly choose a song from the card.
10. Now you can return to your computer and add more songs or play lists to your iWAY. To turn off the unit press and hold the **POWER** key for three seconds.

The Music Mode Display and On-Screen Commands

The Music Mode screen contains a large central area for visualization effects with a set of play control buttons along the bottom of the screen. When a song is playing the name of the song will appear at the top of the screen as well as the song's length and quality in kilobits per second, or Kbps, which is a measure of the song's bandwidth.

To switch to Music Mode from Map Mode select the **MUSIC** button on the Main Menu. The Music Mode display is designed to be simple. All of the Music Mode commands are accessible on-screen. Since the 2 GB (gigabyte) MMC card shipped with the iWAY contains the mapping data for the unit there may be very limited or no space to store MP3, Ogg Vorbis or JPEG files on the card. Also, when the MMC card containing mapping data is removed the unit's map mode will not work. You must have the MMC card with the mapping data in the unit for the map mode to work. You will need additional MMC cards in order to store music and picture files.

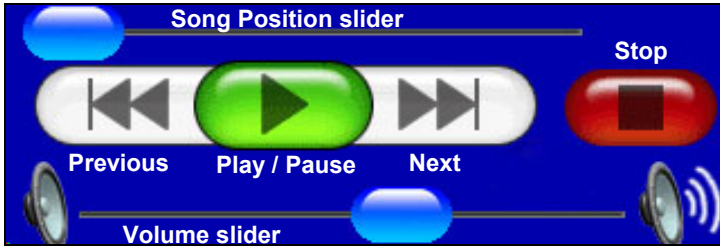


Music Mode display with all the on-screen command buttons.

Music Mode always runs using a "play list" even if this consists of a single song. You can copy pre-made play list files from your PC to an MMC card and play the songs in these play lists by selecting them from the song browser. You can organize your music in folders on your computer then copy them to an MMC card. That way you can play a folder at a time. When you select a folder to play the iWAY automatically creates a play list out of all of the songs in the folder.

Using the Play Control Buttons

All of the play control buttons are fairly straightforward and are probably already familiar to you.



The Music Mode Play Control Buttons.

Song Position indicates the playback position for the current song. Whenever a song begins to play the Song Position slider starts at the far left and moves right. You can quickly skip to any point in a song by pressing and dragging the blue button on the Song Position slider to the right (to fast forward) or to the left (to rewind).

Previous Song will jump to the beginning of a song or it will take you to the previous song if the song that is playing just started. You also can hold this button down to fast reverse a song.

Play starts a selected song or play list. If you have not chosen a play list or song yet pushing Play will automatically generate a play list from all the songs stored on the MMC card. When a song is playing the Play button is replaced by a Pause button.

Pause will stop the current song and save its position. When you pause a song the Pause button is replaced by the Play button.

Next Song skips to the next song in the play list and starts it playing. Hold this button down to fast forward the current song.

Stop cancels the current song playing.

Volume Slider adjusts the playback volume. Press and drag the blue button to the left or right to get the desired volume. The far left is mute while the far right is maximum volume.

Using the Now Playing Box to Launch Music Browser

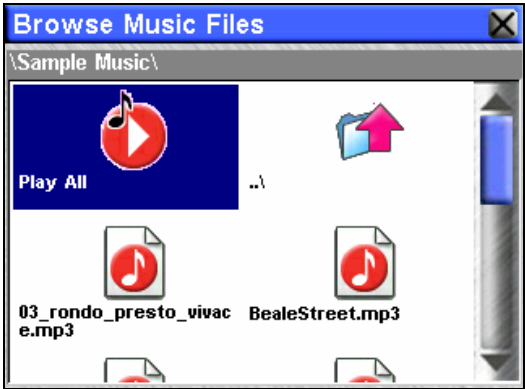
The center of the top row of the Music Mode screen is a Now Playing box that shows you the name, position and quality of the song playing. You can touch the screen anywhere inside the Now Playing box to open the music browser which lets you choose a song or play list to play next.

Visualization Effects – Waveform/Spectrum Analyzer

The Visualization Area takes up the center of the Music Mode display and provides either a Waveform Analyzer or Spectrum Analyzer effect in time with the music that's playing. To switch between the available visualization effects press the screen inside the Visualization Area.

Music Browser

The iWAY can play both MP3 and Ogg Vorbis music files. It can also recognize m3u-style play list files. Touch the Now Playing area of the Music Mode screen to launch the Browse Music Files screen. The music browser is a screen showing the file structure of your music drive, including all of the songs and play lists available as well as any subfolders. If you have sorted your music by album or artist you can select the folder you wish and play only the songs in that folder or you can choose a particular song to play right away.



Use the Browse Music Files screen to choose which songs to play next.

From the music browser you can choose individual songs, play list files or subfolders. Choose **PLAY ALL** to play all of the music files in the selected folder and its subfolders.

Find Music

The **FIND MUSIC** button in the top right corner of the screen launches an Audio Search menu. To find a particular audio file by its filename press **FIND MUSIC** and then touch anywhere inside the Name Filter box to open the iWAY's Virtual Keyboard. Enter all or part of a song's filename and press **DONE**. The Audio Search menu will provide a list of all of the audio files on your MMC card that match the text in the Name Filter field. Choose the one you want from the list and choose **PLAY** to begin playing it or **BROWSE** to open the music browser at the file's location.

Shuffle (On/Off)

When Shuffle is turned on, at the end of a song iWAY will randomly choose another song from the current play list to play next. When Shuffle is turned off it will proceed to the next song in the play list or, if you are playing all the songs in a folder, it will proceed to the next song alphabetically by file name.

Use the **SHUFFLE** button to toggle the option on or off. The button is yellow when the option is turned on and white when the option is turned off.

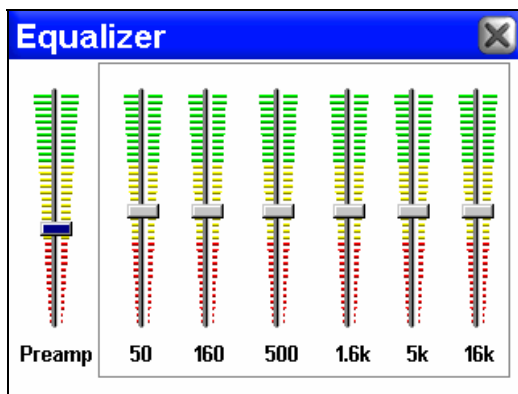
Repeat (On/Off)

When Repeat is turned on, at the end of a play list – or song if you are playing one song – the unit will immediately start playing the play list again from the beginning. When Repeat is turned off it will stop playing music and wait for you to select a new song or play list.

Press the **REPEAT** button to turn the option on or off. The button is yellow when the option is turned on and white when the option is turned off.

Setup Equalizer

Use the **SETUP EQ** button to customize the audio levels of your iWAY playback. To adjust levels press and drag the slider for the control you want to adjust, moving it up to increase the level and down to decrease it.



Use the Equalizer to precisely control iWAY's audio playback.

Significantly increasing any of the equalizer levels may cause audio distortion. If you have problems with audio distortion decreasing the **PREAMP** level may resolve them.

Notes

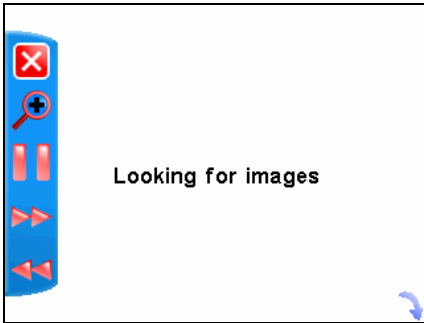
Section 4:

Pictures, Gauge and Options Menu

Pictures Slideshow

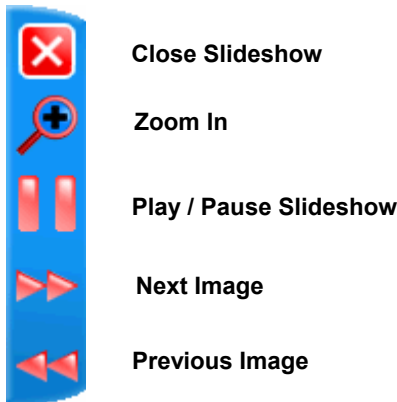
The iWAY can display .gif and .jpg images stored on a media card. To open the Photos Slideshow select the **PICTURES** option located at the bottom left of the Main Menu.

You can choose to play the images as a slideshow or pause on a single image. The Pictures Toolbar allows you to control the display with buttons similar to the Music Mode play controls.



The toolbar, on the left side of the screen in both images, can be hidden using the arrow icon located in the bottom right corner of the screen.

In order to view a Picture Slideshow you must have photo images stored on the MMC or SD Card installed in the iWAY. The iWAY will automatically search the card for any usable images. To operate the Slideshow:



The Pictures Slideshow toolbar.

Close Slideshow returns the iWAY to the Main Menu.

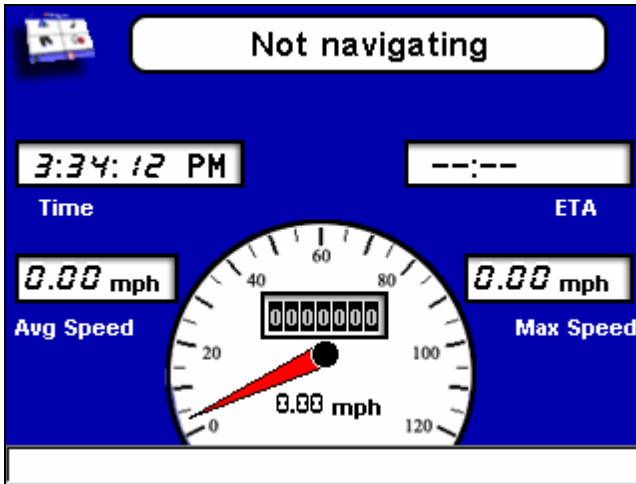
Zoom In enlarges the image currently displayed, zooming in on the center of the display. You can press and drag anywhere within the image display to focus on a particular area.

Play / Pause Slideshow allows you to control whether the iWAY automatically cycles through the available images or displays a single image.

Next Image and **Previous Image** skips forward or backward among the available images.

Gauge Page

The iWAY's Gauge Page contains helpful information, including your estimated time of arrival, average speed and max speed. To view the Gauge Page select **GAUGE PAGE** located at the bottom right of the Main Menu.



The bar at the bottom of the Gauge Page is a time to turn indicator.

This page shows several of the most useful Overlay Data items in an easy-to-read format. To leave the Gauge Page and return to the Main Menu press the **MENU** button in the top left corner of the screen.

Options Menu

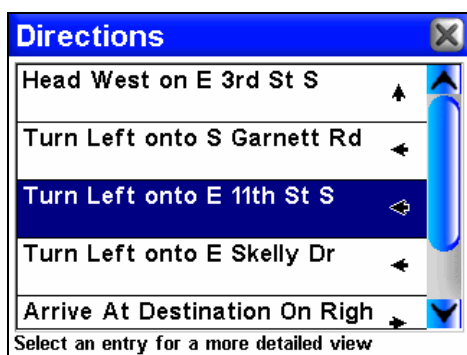
The iWAY has an Options Menu containing three pages of options and menus designed to let you customize the operation of your iWAY. To access the Options Menu from either operation mode press **MENU** and then choose **OPTIONS**. Page 1 of the Options Menu will appear.

The following pages describe each of the Options Menus. All of these options come with default values so you can use the iWAY right out of the box. That way you may never need to make changes. You might want to skip on to Section 5 to learn more about searching for destinations and generating routes.

Remember, all menus and dialogs can be closed by selecting **X** in the upper right corner of the screen.

Directions List

The Directions list is generated whenever the unit begins navigating to a destination. It is a list of all the turns from the start of your route to the end, including an arrowhead icon indicating the direction of each turn. It looks something like the screen in the following image.



The Directions list for a generated route.

You can look up and down the list by pressing and dragging the blue slider bar to the right. You can select any individual instruction on-screen for more detailed information. This screen is called a Turn Preview.

If Turn Preview is on, the Directions list will be displayed automatically when the GPS is lost. This could occur when driving through a tunnel or in a parking garage.

Trip Calculator

The Trip Calculator keeps track of detailed information concerning your route. You can use it to find the distance of your daily commute or to calculate your average speed on a cross-country road trip.

Auto Zoom (On/Off)

The iWAY has an Auto Zoom feature which will display greater map detail as you navigate a route. While the map shifts to track your current position the Auto Zoom will zoom the map in and out based on your speed and the distance to your next turn.

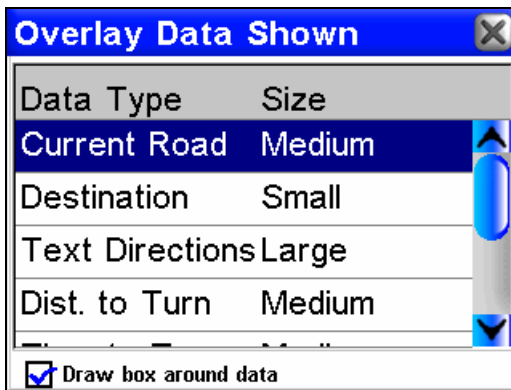
When active the Auto Zoom takes control any time the map cursor is not showing. When the map cursor *is* up you can use the Zoom In and Zoom Out buttons to control the zoom level. When the map cursor is cleared from the screen Auto Zoom will automatically recalculate the zoom level.

If you prefer to manually control the zoom level you can toggle the Auto Zoom feature on or off – when the cursor is not showing – by touching the range display feature located at the bottom left corner of the map screen.

Overlay Data Setup

Overlay Data are the text boxes that appear over your map display containing information such as the distance to your destination and the instructions for your next turn.

You can choose which information you want to display as Overlay Data and its location on the screen. To do this, from the Options Menu choose **OVERLAY DATA SETUP**. The first screen that appears is the Overlay Data Shown screen showing your current setup. You can select any item in the list to change its font size or location.



Use the Overlay Data Shown screen to modify Overlay Data.

You can also choose the last line in the list "Press here to add..." to add another data box to your screen. The list of available overlay data appears in an expandable tree structure.

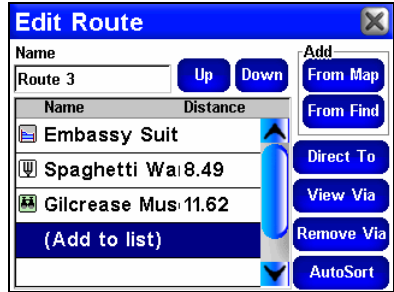
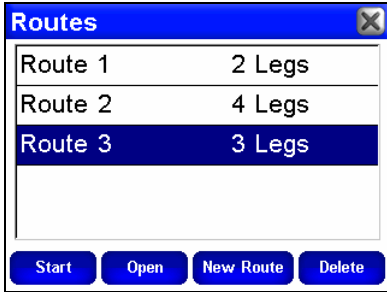
Choose the + next to any of the categories to expand it and show the available data within the category. You can press the - next to any expanded category to hide its contents and clear up the screen.

From this list choose any of the data options to add it to your Overlay Data. You can then modify it on the Overlay Data Shown screen just like any of the others. A checkbox at the bottom of the screen allows you to determine whether the iWAY should draw boxes around the information presented or overlay the text on the map.

Route Via Waypoints

While the iWAY is designed to generate a route from your current position all the way to a chosen destination, sometimes you will want more control over where you are going. The Route Via Waypoints command allows you to access the Routes list menu where you can store and manage routes you have created.

From the Routes list menu you can navigate to several different locations (or waypoints) during a single trip. When you use this option the iWAY will guide you to each location on the list in a specific order.



Use the Routes list menu, at left, to store and manage different routes. The image at left shows several stored routes. The Edit Route menu at right shows all of the routing controls and a generated route.

Imagine you just arrived in Tulsa, Okla., on a business trip. You can search through a list of nearest hotels or a specific hotel and have the iWAY create a route to the hotel. If you decide to visit a local attraction or restaurant you can add that to your route. In the top right image just such a scenario has been created in the Edit Route menu.

NOTE:

Another way to set up a route with multiple waypoints is to perform a search for one location and choose **Go To** to begin navigating, then search for another location and choose **Go To** for that one. The iWAY will provide you with an option of detouring to that waypoint, adding it to the beginning of the route, or setting it as a new final destination which would add it to the end of the route. Detouring to a different location while navigating is explained in "Choosing New Destination while Navigating" in Section 5.

To create a route the iWAY must first find your current position. Once the iWAY has located you on the map select **OPTIONS** from the Main Menu. Then select **ROUTE VIA WAYPOINTS**. This will bring up the Routes menu. Select **NEW ROUTE** and the Edit Route menu will appear. From the Edit Route menu you have two options to choose from in order to find a spe-

cific location and begin to generate a route. Select either the **FROM MAP** button or the **FROM FIND** button. If you select **FROM MAP** the map will appear. Use the cursor arrow on the map and drag it to a specific location (or address) then select the **ADD** button. The iWAY will let you know the location has been added to your route. You can continue to select and add other locations in this same manner. If you select the **FROM FIND** button the Find menu will appear. This menu will allow you to search for a desired destination by Category and Subcategory.

Selecting a Category or Subcategory will bring up the Find By menu with three options: Name Entry, Near Current Location and Near Cursor. Depending on how you want to search for a specific location will determine which option you should select. To learn more about the specifics of "Searching, Finding and Navigating" refer to Section 5. Once you have found your desired destination select it and add it to your route. You can add as many as 99 waypoints to a route.

If you want to rearrange the order of the waypoints in a route list you can use the **UP** and **DOWN** buttons in the Edit Route screen to move a highlighted waypoint higher or lower in the list.

AutoSort

If you prefer the iWAY can generate a route for you among several locations even if you *don't* know which order you want to go in. Enter all of the destinations in any order then choose **AUTOSORT**.

The iWAY will organize the list of locations to make the shortest possible route among all of them. This can be useful if you are on a business trip and need to visit several clients at different locations. Put in all their addresses, choose **AUTOSORT** and then let the iWAY pick the shortest path that will get you where you need to go.

Cancel Navigation

When you have reached your destination the iWAY will display a pop-up window asking if you want to cancel navigation to your destination. Select **YES** to stop receiving navigation instructions to that location.

You can also cancel navigation to a destination at any time using the Cancel Navigation command. From the Options Menu select **CANCEL NAVIGATION**. Again the iWAY will display a pop-up window to confirm your choice. Choose **YES** and the iWAY will stop generating navigation instructions to the current destination.

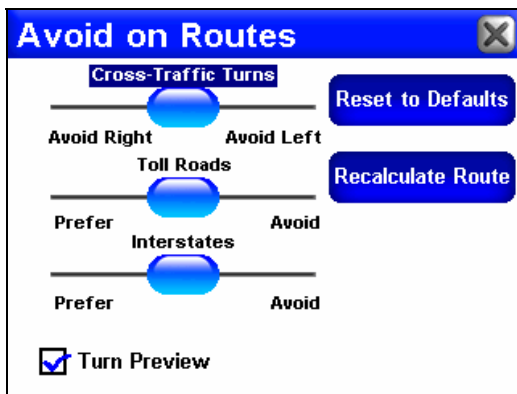
NOTE:

If you are navigating a route with multiple via waypoints, when you choose Cancel Navigation, the iWAY will ask you whether you want to cancel navigation of the entire route or just cancel navigation to the

current waypoint and continue on to the next waypoint in the route.

Routing Options

Routing Options are used to control exactly how the iWAY generates a route from your current position to a selected destination. To access these options, from the Options Menu, choose **ROUTING OPTIONS**. A screen like the one in the following image will appear.



Use the **Avoid on Routes** menu to control how iWAY generates routes.

When generating a route the iWAY is able to analyze certain types of roads or turns and adjust their value to either prefer or avoid them. Preferred road types will occur more often in your routes.

The iWAY will deliberately try to take those types of roads. Road or turn types that you choose to *Avoid* will show up less, although the iWAY may have to generate a longer route to avoid them.

The three slider controls on this page let you control how *much* you want to avoid or prefer the associated options when generating a route. The farther you move the slider to the left or right, the more it will affect the routes generated by iWAY.

If you change these values significantly and notice that your iWAY has begun generating poor routes try using the **RESET TO DEFAULTS** button to see if that fixes the problem.

You can use the **RECALCULATE ROUTE** button to automatically generate a new route to the same destination using the new preferences. Take advantage of this option when you are trying to learn the right *amount* of avoidance to make sure the iWAY gives you just what you want.

Avoid Cross-Traffic Turns

Use this option to avoid turns across busy lanes of traffic. The iWAY

will *not* avoid cross-traffic turns at major intersections where you will likely have a protected turn at a traffic light.

Sometimes you would have to drive *miles* out of your way to avoid taking a cross-traffic turn somewhere in your route. Then again, sometimes it's worth it. Practice with this setting to find the value that's right for your driving experience.

Prefer/Avoid Toll Roads

By default, toll roads have a fairly high value in iWAY's route generation because they are generally high quality roads with high speed limits allowing you to get where you are going faster.

If you would like to save on the cost of traveling toll roads consider setting the iWAY to generally *Avoid* toll roads by pressing and dragging the **TOLL ROADS** slider to the right.

If you want to drive free drag the slider all the way to the right and the iWAY will not use toll roads at all. If you prefer the convenience of toll roads and don't mind the cost you can give them an even greater value by pressing and dragging the slider to the left.

Prefer/Avoid Interstates

Interstate Highways aren't as expensive to travel as toll roads but sometimes the stress of merging and exiting combined with the high speed make interstates less attractive – especially for short trips across town.

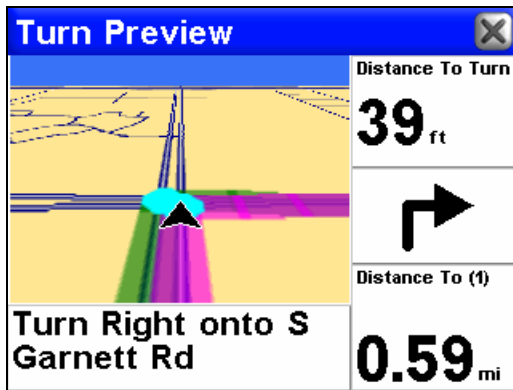
The default setting is designed to avoid Interstates for very short trips but if you feel like it's sending you to the highway too often try setting the iWAY to *Avoid Interstates*.

Press and drag the **INTERSTATES** slider to the right. Like toll roads, you might prefer the speed of Interstate travel. You can set the iWAY to prefer Interstates by pressing and dragging the slider to the left.

Turn Preview

The Turn Preview checkbox allows you to toggle whether or not the iWAY displays a Turn Preview screen whenever you approach a turn in your route.

A Turn Preview is a special screen designed to prepare you for upcoming turns. You can access the Turn Preview for any turn in your route by going to the Directions List.



A sample Turn Preview screen in 3D mode.

As you can see in the previous image the Turn Preview screen includes a close-up map of the turn itself and a magenta route line showing your path.

Additional data boxes show the text instruction, the distance from your current location to the selected turn, the direction of the turn (in this case a right turn) and the total distance from the turn to the end of the route.

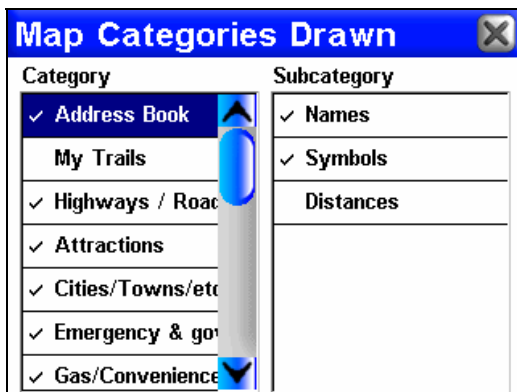
If you want the iWAY to automatically show you Turn Previews whenever you are navigating make sure **TURN PREVIEW** is checked. You can turn this feature off by unchecking the box.

Categories Drawn

The Categories Drawn command lets you choose how much of the mapping detail available in our database you want shown on the screen. This information includes contacts, points of interest, cities, highways, etc.

If you draw too much detail the screen can look cluttered. If you don't draw enough you are probably not getting the most value out of your unit.

You can use the Categories Drawn command to selectively turn on or off any of these items, customizing the map to your needs. From the Options Menu choose **CATEGORIES DRAWN** and a screen like the one in the following image will appear.



Use the Map Categories Drawn screen to customize your map. In this example the category My Trails and subcategory Distances are off.

The Map Categories Drawn Menu is divided into two columns, "Category" and "Subcategory." You can turn any category or subcategory on or off. If you turn off a category none of its subcategories will appear.

To turn any item on or off press and highlight it. When it is highlighted press it again to check it (turn it on) or uncheck it (turn it off). The category list is longer than will fit on screen so a scrollbar appears to the right of it. Press and drag the scrollbar's slider to scroll through the list.

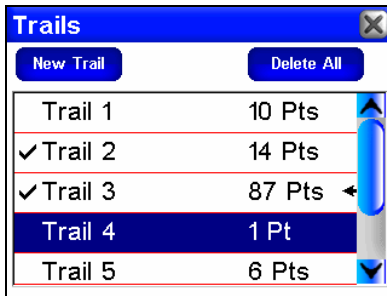
My Trails

Most GPS units are designed to record plot trails which are a record of where you have been. By default Trails are hidden in your iWAY to save on-screen clutter.

You can choose to display Trails, which will show your travel history on the Map Mode display. For instructions on displaying Trails, see the earlier discussion of Categories Drawn.

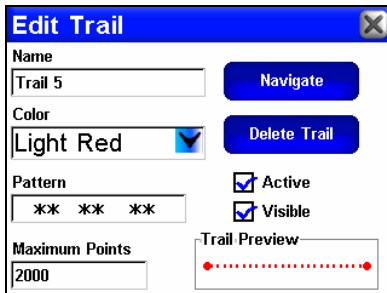
The My Trails command lets you control *how* the iWAY records and displays Trails. To view the Trails Menu choose **MY TRAILS** from Page 2 of the Options Menu.

The Trails Menu lists all of the Trails currently stored on the iWAY with icons to indicate which trail is active – that is, which one is currently recording your travel – and which ones should be displayed.



Trails Menu, showing 5 trails. Trail 3 is the active trail (indicated by the arrow on the right). Trails 1, 4 and 5 are hidden (there is no check mark next to them), but Trails 2 and 3 are shown.

From the Trails Menu you can start a new Trail or edit or delete an existing Trail. To modify an existing Trail press its entry in the list. The Edit Trail screen will appear.



The Edit Trail screen allows you to modify an existing Trail.

On the Edit Trail screen you can choose to Navigate a selected Trail (converting it into a Route), delete it, rename it or modify its display characteristics such as color, pattern and visibility.

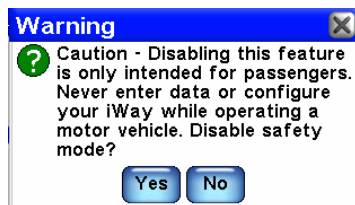
Safety Mode (On/Off)

The iWAY has a Safety Mode to prevent vehicle drivers from operating the GPS while the vehicle is in motion. The unit will navigate and play music while moving.

The Power button will also work but the touch-screen buttons are temporarily disabled whenever Safety Mode is on. The screen buttons become responsive when the vehicle stops.

However, if a passenger is available to act as navigator Safety Mode can be turned off. This switches the unit to Passenger Mode and allows the passenger to operate the unit while the vehicle is moving.

To disable Safety Mode and switch to Passenger Mode make sure the vehicle is not moving. From the Options Menu choose **SAFETY MODE** to toggle whether the option is on or off. The button itself will show its current state. A dialog like the one in the following image appears. Choose **YES** to disable Safety Mode and return to the Options Menu.



Safety Mode disable menu.

WARNING:

When a GPS unit is used in a vehicle the vehicle operator is solely responsible for operating the vehicle in a safe manner. Vehicle operators must maintain full surveillance of all pertinent driving conditions at all times. An accident or collision resulting in damage to property, personal injury or death could occur if the operator of a GPS-equipped vehicle fails to pay full attention to travel conditions and vehicle operation while the vehicle is in motion. Do not attempt to configure, adjust or enter information into your GPS unit while driving.

Sound and Voice Setup

Much of the information you will receive from the iWAY will come in the form of sounds. Use the Sound and Voice Setup command to adjust the type and frequency of audio output iWAY provides. From the Options Menu choose **SOUND AND VOICE SETUP**.

To turn Key Press Sounds on and off: Tap the checkbox to the left of the label **KEY SOUNDS** to check it (turn on) and uncheck it (turn off).

To turn Voice Instructions on and off: Tap the checkbox to the left of the label **VOICE INSTRUCTIONS** to check it (turn on) and uncheck it (turn off). If you turn off Voice Instructions, voice instructions can still be accessed by pressing **SPEAK** which will make iWAY state the current instruction.

To adjust Periodic Voice instruction frequency: Press and drag the blue button on the **PERIODIC VOICE** slider. Drag it to the right to increase the frequency of spoken instructions or to the left to decrease it.

Periodic Voice instructions are repeated at set intervals and are intended as reminders. Use this slider to adjust the frequency of Periodic Voice instructions until your iWAY is giving you exactly as much information as you need.

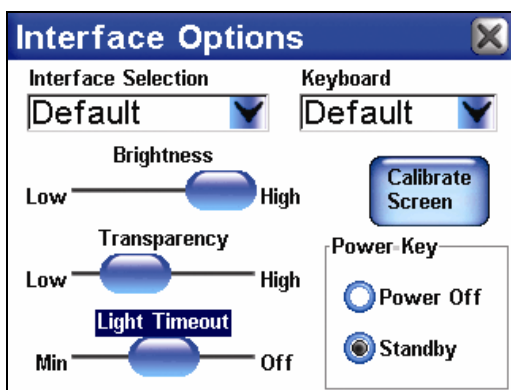
To set Voice Volume: Press and drag the blue button on the **VOICE VOLUME** slider. Drag it to the right to increase the output volume or to the left to decrease it. Note that this setting only affects spoken instructions; your music volume will remain unchanged.

To set Music Volume: Press and drag the blue button on the **MUSIC VOLUME** slider. Drag it to the right to increase the output volume or to the left to decrease it. Note that this setting only affects music playback; spoken instructions will remain unchanged.

To set Master Volume: Press and drag the blue button on the **MASTER VOLUME** slider. Drag it to the right to increase the output volume or to the left to decrease it. This setting affects all audio output from the iWAY.

Interface Options

The Interface Options Menu allows you to control the visual display of your iWAY, such as brightness, contrast and the graphical skin. You can also use Interface Options to access the Calibrate Screen command in case your iWAY's touch screen isn't responding precisely. To access the Interface Options Menu, from the Options Menu select **INTERFACE SETUP**. The following menu will appear.



The Interface Options Menu.

Interface Selection

Interface Selection allows you to change the visual appearance of the iWAY. Several skin options are available in the iWAY. To change your current skin display touch inside the **INTERFACE SELECTION** box and a drop-

down list will appear showing all of the available skins. Choose one from the list and the iWAY will display the new skin automatically. Screenshots throughout this manual were taken using the "Default" skin mode. Other skin options will be available on the Lowrance web site in the future.

Keyboard

Keyboard allows you to choose the layout of the buttons on the iWAY's virtual keyboard. Use this option to choose the layout you are most familiar with so you can enter text information quickly and easily.

Brightness

The Brightness Slider controls the brightness of the screen. High levels of brightness could make the iWAY difficult to read, especially during night use. Low levels can make the screen seem too dark for easy viewing. Use the slider bar to adjust your screen's brightness to your preference. To increase your screen's brightness, press and drag the button on the slider bar to the right. To decrease screen brightness press and drag the button to the left.

Transparency

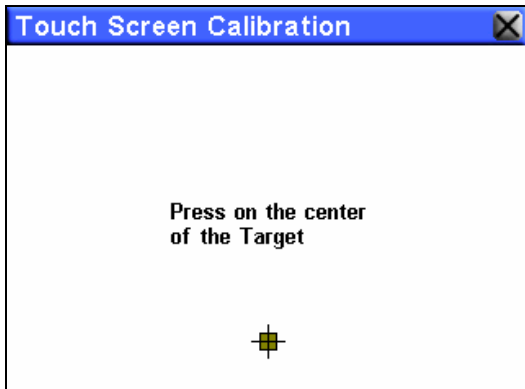
The Transparency Slider controls the transparency of information and navigation boxes that appear on the map page. Increasing transparency will make it easier to see the background map, but may interfere with the legibility of the Overlays. Decreasing transparency clarifies Overlays but it also obscures underlying map information.

To increase transparency, press and drag the button on the slider bar to the right. To decrease it, press and drag the button to the left.

Calibrate Screen

The Calibrate Screen command is used to correct any differences between the location you press on the touch screen and the location the iWAY *thinks* you pressed. If you find that the iWAY isn't responding perfectly to your touch screen input run the calibrate screen command.

Select the **INTERFACE SETUP** command (Options, Page 2) which will bring up the Interface Options menu. In the Interface Options menu select the **CALIBRATE SCREEN** button. The Touch Screen Calibration menu will appear, as shown in the following image, with a small target icon somewhere on the screen. A test message asks you to press the center of the target. When you do a new target will appear elsewhere on the screen.



The Touch Screen Calibration menu.

Press each of the targets in turn. After the third the screen should be calibrated. The calibration screen will disappear, returning you to the Interface Options menu. You may want to use a stylus for more accurate calibration or even the plunger of a ballpoint pen – if you do, take extra care not to scratch the touch screen.

Standby Mode vs. Power Off Mode

The power button turns the unit off and on in two different ways. When the unit is on, holding the power button down for about two seconds will put the unit in "standby mode." Standby Mode is your unit's default setting. It does not turn the unit completely off.

Standby Mode allows it to "sleep" and draw very little battery power. Because the unit is not completely shut off the next time you turn it on it will start up faster than if the unit was fully shut down.

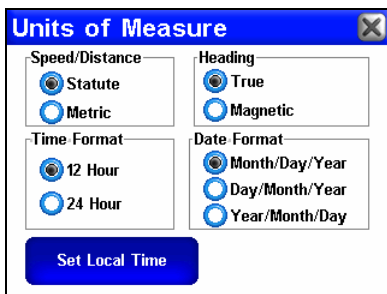
If the unit is left idle for 24 hours it will automatically leave the Standby "sleep" state and switch to a full shut down to save battery power. However, the power button's Standby setting is unchanged; the next time you power down it will again return to Standby Mode.

If you wish you can disable Standby Mode so that the unit will completely shut down when you turn it off. To disable it select **POWER OFF** in the Power Key box of the Interface Options Menu.

Units of Measure

This menu adjusts the units of measure the unit uses to display speed and distance (statute miles or meters), your heading (true or magnetic), the current time (12 hour or 24 hour format) and the date (Month/Day/Year, Day/Month/Year or Year/Month/Day).

To change any of these, from the Options Menu choose **UNITS OF MEASURE** and the menu shown in the following image will appear. The unit *will not* automatically update when you travel to a different time zone. You will need to access the Set Local Time feature and use the up and down arrows to reset the correct local time.



The iWAY Units of Measure Menu.

To change any setting: tap the button next to the format you prefer. The button you push should become selected and the previous format should become unselected.

Reset Options

To reset all customizable settings to their factory defaults, from the Options Menu choose **RESET OPTIONS**. A dialog box will appear asking if you are *sure*. Choose **YES** to proceed.



Reset Options confirmation dialog.

NOTE:

Reset Options does *not* erase any of your contacts, saved routes or trails.

Device Information

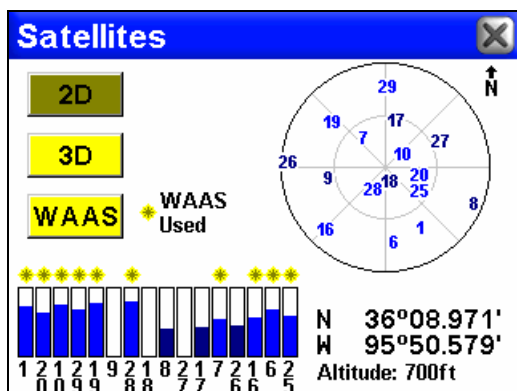
From time to time, Lowrance updates the operating system software in some of its products. These software upgrades are usually offered to customers as free downloads from our web site, www.lowrance.com.

These upgrades make the unit perform better or introduce a new feature or function. You can find out what software version is running in your unit by using the Device Information command. From the Options Menu, choose **DEVICE INFORMATION**.

Complete information and instructions for installing an update will be available on the update's page at the Lowrance web site.

GPS Status

The GPS Status command opens a GPS Status Screen which provides information on the satellite signals that your iWAY is monitoring to determine your position. You can access the GPS Status Screen by choosing **GPS STATUS** from the Options Menu. A screen like the one in the following image will appear.



The iWAY GPS Status Screen. The GPS Status Screen contains several graphical elements that represent a lot of information.

Current Position Lock

Three buttons along the left side of the GPS screen indicate the quality of the units position lock. The button that's selected indicates your current position lock. If none of them is selected your current position has not been established.

2D means the iWAY has achieved a lock on your current position on a map. A 2D lock does *not* include your altitude. The iWAY must receive reliable signals from 3 satellites to establish a 2D lock.

3D means the iWAY has achieved a more reliable lock, including not only your coordinate location but also your altitude (or elevation). The iWAY must receive reliable signals from 4 satellites to establish a 3D lock.

WAAS means your GPS is receiving reliable correction signals from the FAA's Wide Area Augmentation System. WAAS is designed for use in aircraft but occasionally terrestrial vehicles can attain a WAAS lock. This is the most accurate position signal available.

EPE (Estimated Position Error)

The Estimated Position Error or EPE is shown right next to the Current Position Lock buttons. This value represents the expected error from a benchmark location.

In other words, if the EPE shows 50 feet, then the position shown by the unit is estimated to be within 50 feet of the actual location. This also gives you an indicator of the fix quality the unit currently has.

The smaller the position error number the better (and more accurate) the fix is. If the position error flashes dashes then the unit hasn't locked onto the satellites and the number shown isn't valid.

Satellite Display

A white circle that serves as a graphical view of the satellites overhead fills much of the right half of the screen. Each satellite is shown on the circular chart relative to your position. The GPS receiver is tracking satellites that are in blue type. The receiver hasn't locked onto a satellite if the number is in dark blue, so it isn't being used to track the position.

Lat/Lon Coordinates

Beneath the Satellite Display, you can see your Coordinates in Latitude and Longitude. These numbers can be used to pinpoint your location on any map, or to create contacts at your position on another GPS.

Transfer Data

In addition to storing media files such as music and pictures you can use MMC or SD Cards to store and transfer GPS data recorded on the unit. This is a handy way to save contacts that you have created, trails of places you have been and routes you have set up.

To save data to your memory card or to load data *from* your memory card choose the **TRANSFER DATA** command from the Options Menu. Tell the iWAY whether you want to **LOAD** data for the iWAY to display and use or **SAVE** data to the card to store or transfer it to another GPS unit.

If you want to Load data choose the dropdown box and make sure to select the filename of the GPS Data File you want to load. If you are saving data you can select the Filename text box to enter a new name describing the data you are saving.

GPS Simulator

The iWAY offers a GPS Simulator option allowing it to simulate the navigation of a route. When you turn on the Simulator the iWAY pretends it has a GPS lock at the current location then begins moving along the current route as though you are following it.

This feature can be handy when the iWAY recommends a route you have never traveled before letting you preview the whole way from your start to your destination. Four play control buttons in the bottom left of the screen allow you to control the simulator.

Use the **REVERSE** button to move backwards along the route. Stop or resume motion along the route using the **PLAY / PAUSE** button or speed up simulation by pressing **FORWARD**.

To stop following the current route and return to your starting location press Stop. The iWAY will remain in Simulator Mode until you turn it off in the Options Menu. To turn off Simulator Mode choose GPS Simulator from the Options Menu.

NOTE:

If you are in Simulator mode while driving and reach a speed of about 15 miles per hour or greater, and the unit acquires a satellite lock, the unit will leave Simulator mode. If the unit does not have satellite lock it will prompt you to simulate when you begin to navigate a route. If the prompt is ignored for 20 seconds the unit will assume you do not wish to simulate a route.

Notes

Section 5:

Searching, Finding and Navigating

With the exception of the **Go To** command in the Location Information screen, the iWAY's search functions all begin by pressing the **FIND** button on the main menu screen. When the **FIND** button is selected the first Find menu will appear. Each Find menu contains different search options. The options in all three Find menus are part of a database of POIs stored on the iWAY's hard drive.



The iWAY Find Menu (Find 1 page).

The Find menu, like the Options menu, is divided into three menus. When you first open the Find menu you will always see page 1. To access the other Find menus choose the appropriate number at the top of the screen.

You can search for items even before the unit has acquired a position. If you conduct a search before your position has been determined, the unit will display distance and bearing to the selected destination from the unit's last known position.

In the three Find menus search options have been divided into different categories. This is designed to save you time when looking for the most common search fields. Gas, lodging, restaurants, shopping, attractions and airports all have their own separate search screens.

These search features can be convenient but when in doubt about a particular POI you can use the **SEARCH ALL POIS BY NAME** button in the second Find menu. The unit has a powerful search database to help you refine your search and find the precise location you are looking for. The Find Address menus allow you to search for a particular POI by street name, city, province, country or zip code, depending on which version of the iWAY you have.

Find Address

When the **ADDRESS** button is selected in the first Find menu the Find Address screen will appear. When the **SPELL** button is selected the Find Address screen with a virtual keyboard will appear. This screen allows you to enter a specific location by name.



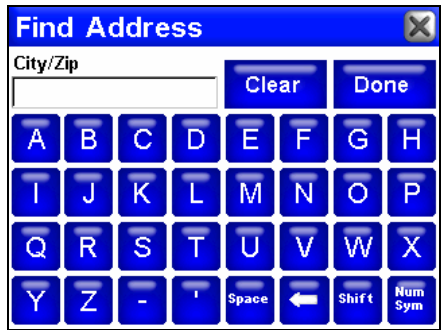
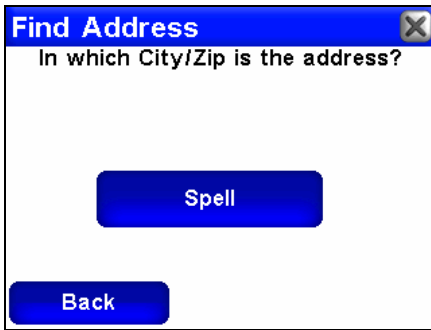
When the Address button is selected in the first Find menu the Find Address screen at left will appear. Depending on whether you have the American or European version the unit will ask whether you want to search by State/Province or Country. When the Spell button is selected the Find Address screen with a virtual keyboard (right image) will appear. This screen allows you to enter a specific country or state/province by name. To return to the previous screen press **X** or when you have finished entering your choice press **Done** on screen.

Depending on whether the unit is the American or European version you will select either *State/Province* or *Country*. To return to the previous screen press **X** or when you have finished entering your choice press **DONE**.

If you would like to see an alphabetical list of searchable destinations stored on the iWAY's hard drive leave the *Country* or *State/Province* selection box empty and press **DONE**.

The Find Address menus will require you to enter information such as a shop name or specific address. To do this use the virtual keyboard on screen to enter the name of the location you are looking for or the address number.

Notice the button in the bottom right corner of the screen, **NUM/SYM**, which stands for numbers and symbols. Use this button to toggle between the letters keyboard and the numbers keyboard.



If you select **Spell** (left) from the Find Address by City/Zip screen the Find Address by City/Zip keyboard screen (right) will appear. Enter the name of the city or the zip code of the area in which you wish to search. Pressing the **Back** button will take you to the previous Find Address screen.

If you select **SPELL** from the Find Address by City/Zip screen the Find Address by City/Zip keyboard screen will appear. Enter the name of the city or the zip code of the area in which you wish to search. Pressing the **BACK** button will take you to the previous Find Address screen.

Another important button to remember is the one in the top right corner of the Find Address screen. Push **DONE** when you have entered the desired street name, city or zip code.

When you do, the iWAY will sometimes provide a list with more than one location that closely resembles the information you entered. Scroll through the list of addresses provided by the unit and choose your desired destination by highlighting and selecting it on screen.

NOTE:

Any time you perform a search while the map cursor is up, by default, the distances listed for search results will be calculated from the cursor position and not your current position. That means you can scroll ahead to a destination a hundred miles away and find the nearest hotel *there* or you could clear the cursor and do a search for the hotel nearest your *current* location then finish the trip tomorrow.

FIND ADDRESS lets you enter a street address and navigate directly to it.

ADDRESS BOOK lets you search through a list of contacts that you have created and navigate back to them.

RECENT DESTINATIONS keeps track of the most recent places you have visited so you can go back again.

As mentioned in Section 2, the Location Information screen's **Go To** command allows you to generate a route to any point on the map by placing the map cursor at your desired destination. These search options will be explained in the following pages. But first we should describe one of the iWAY's basic tools used when searching: *the virtual keyboard*.

Using the iWAY's Virtual Keyboard

Many of the search options available through the Find menu will require you to enter data such as shop names or address numbers. To do this, you will use the touch screen to select letters, numbers and symbols on the unit's virtual keyboard.

Whenever you are asked to enter keyboard information, the keyboard will appear. It generally looks like one of the following images. Note the button in the bottom right corner, **NUM/SYM**. You can use this button to toggle between the Letters key set and the Numbers/Symbols key set.



The iWAY virtual keyboard is shown at left using the Letters key set and at right using the Numbers/Symbols key set. The American version will search by State/Province while the European version will search by Country.

Push **DONE** when the text field contains the information you want to enter. When you do, the iWAY will sometimes provide a list with more than one location that closely resembles the information you entered. Scroll through the list of addresses provided by the unit and choose your desired destination by highlighting and selecting it on screen.

Fuel, Lodging, Restaurants and other POIs

Most of the options in the Find menus work essentially the same. We will use the **GAS, ATMs** command as an example but you can follow essentially the same steps to locate and plot a course to any POI stored in the unit.

To find a nearby gas station:

1. Press **FIND** from the Main Menu to open the first Find menu.
2. Select **GAS, ATMs**. A screen will appear with a list of gas stations nearest to your current position. Wait a moment for the unit to finish compiling the list. Now you can choose the gas station you desire.

NOTE:

The iWAY has several methods of performing searches. If you are navigating, the unit searches for locations nearest to your current route. If you have the map cursor on screen the unit will search for all locations nearest to the map cursor. If you are not navigating and do not have the cursor on screen the unit will search for locations near your current position. You can choose a specific search setting by pressing the **FIND BY** button in the bottom left corner of the Nearest To Current Position screen.



The Find By menu allows you to customize searches.

The Find By menu allows you to search by any of the methods described earlier or by name. Searching for the specific name of POI allows you to find the closest Texaco or Shell gas station depending on your preference. It is often used in restaurant searches. For an example lets assume you are running low on gas and need to find the nearest gas station. Just use the iWAY's default Find By setting: **NEAREST**.

The list of search results contains two entry fields at the top and three columns across the bottom of the screen. The first column contains the location's name and fills most of the screen. The contents of the second and third column depend on whether or not you are *currently* navigating to a destination.

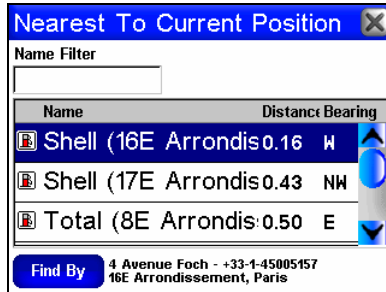
If you are not navigating you will see the distance and bearing from your current location (or cursor position) to the listed location. If you are already on a route the iWAY will use these two columns to show the To Exit and From Exit distances to help you manage your trip.

Using the Name Filter

Sometimes a search returns far too many results or maybe just more results than you feel like scrolling through. The Name Filter on the search results list helps you narrow down the list to just those items containing a particular set of letters.

To use the Name Filter press anywhere inside the **NAME FILTER** field and the virtual keyboard will appear. Type all or part of the name you are looking for and press **DONE**. The iWAY will return to the previous list but it will only show those locations whose names contain the text you entered in the Name Filter field.

For instance, a search for the nearest Restaurants may provide too long a list to be useful. You could significantly narrow the search by entering the word "Taco" in the Name Filter field. This shows all the nearest Taco Bells, Taco Buenos, and any other restaurant nearby with "Taco" anywhere in the name as shown in the following images.



The Nearest To Current Position screen with a list of nearest gas stations.

Navigating to the Selected POI

Now that you have a list of nearest POIs choose the one that suits you best and touch its line on the screen. The iWAY will then show you a Location Information Screen with details about the POI you have chosen.

Since this is the result of a POI search the Location Information Screen will likely have the name of the POI, its street address and probably even its phone number. That can be very helpful for calling ahead to get a table at a restaurant. Much more important to you are the Go To and Find On Map commands.

You can choose Find On Map to make the iWAY close the Location Information Screen and move the map so that it's centered on the selected POI. This helps if you are trying to figure out where it is in rela-

tion to your own position or to some other part of town. Right now we are just trying to get *to* the gas station so choose **Go To**. The iWAY will generate a route from your current position, or last known position if it doesn't have a satellite lock, to the selected destination.

NOTE:

There are several optional settings that control exactly *how* the iWAY generates a route. See the heading "*Route Options*" in Sect. 4 for more details.

As soon as the route is generated the iWAY will draw the course of your route in magenta on the map and begin providing visual and spoken directions along the route.

You can skip ahead to the heading "*Following iWAY's Instructions*" if you are interested in exactly how the iWAY directs you along your course or you can keep reading to see the other sorts of searches available on the Find Menu.

Recent Destinations

This command provides you with a list of your 20 most recent destinations. If the destination has a cursor location the list will show its street address whenever possible. You can use the Find Recent menu to quickly get back on your route if you diverted to POI along the way or to navigate back and forth between two locations on a common commute.

Address Book

Address Book allows you to navigate to contacts you have created. To create a contact use the Location Information screen and select **ADD TO ADDRESS BOOK**. Contact creation is explained under the heading "*Creating and Saving Contacts*" in Sect. 2.

Once you have created an address choose **ADDRESS BOOK** in the Find 1 menu. The Find By Name menu will appear allowing you to enter the contact's name or you can scroll through your address book using the slide tool. You can also use the Find By Name option to search your entire Address Book.

Other Pages

If you are looking for POIs, pages 2 and 3 of the Find Menu offer buttons for several other subcategories. If you are searching for POIs in a particular category other than Gas and ATMs, Lodging or Restaurants, these can be handy menus for narrowing and simplifying your search.



Pages 2 and 3 of the Find Menu. In addition to these subcategories, pages 2 and 3 provide a Find Intersections option and an RV Parks/Services menu.

Intersections

The Intersection command in the third Find menu will let you navigate to any street intersection stored on the iWAY's hard drive. This can be useful when you don't have a specific street address. To search for an intersection, from the third Find menu select **INTERSECTION**. The Find Streets menu will appear. Now select **SPELL** and the Find Streets screen with keyboard will appear.

In the Find Streets menu enter a name for the First Street by touching anywhere inside the **FIRST STREET** field. The virtual keyboard will appear. Enter the name of the street (without direction or street type modifiers such as "N." for "North" or "Ave." for Avenue). When you are finished entering the street name press **DONE**. The iWAY will return to the Find Streets menu with the entered name showing in the First Street field.



When you have entered the name of the first street the unit will ask for the name of the second street as seen in the far left image. Press **Spell** and enter the name of the second street by using the on screen keyboard (center image). Once the two street names have been entered press **Done** and the unit will begin searching for the intersection as seen in the far right image. If the unit is not able to locate the intersection you are searching for a pop up box will appear telling you it was unable to locate the intersection.

Choosing New Destinations while Navigating

So far we have explained some of the ways the iWAY generates a route. No matter which method you use the iWAY responds in the same way. It begins examining the roads between your current position and your selected destination.

If you are navigating to a destination the iWAY will behave a little differently. The iWAY needs to know whether you want to cancel your current navigation or put it on hold while you visit this new location. You can even schedule to visit the new location *after* you finish your current route.

When you choose Detour Here the iWAY will immediately navigate you to a selected location. Once you arrive the iWAY will resume navigating to your previous destination.

This can be useful when you are traveling to a destination and want to stop for lunch along the way. Search for the nearest restaurant, detour to the restaurant and then the iWAY will automatically switch back to your chosen destination.

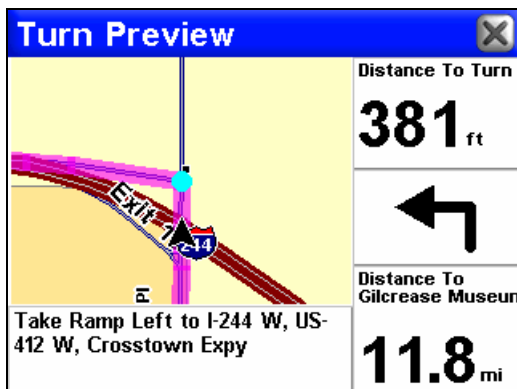
New Final Destination will add the new location to the *end* of your current route. So if you are navigating to a nearby restaurant and choose to set a gas station as your New Final Destination the iWAY will direct you to the restaurant first and send you on to the gas station after you have finished eating.

Cancel Current Navigation will stop navigating to your old destination and start you navigating to the new location.

Following a Generated Route

By default the iWAY tries to find the fastest, shortest route to your destination. It will generate a list of instructions detailing the turns you need to make and the roads you need to follow. It will also draw a magenta line on the map display showing the route you should follow.

Every turn in your route – every instruction you will receive – is shown on the map as a green dot on the magenta route line. You can point the map cursor at any of these dots and a pop-up text box will show you the text instruction for that turn.



The iWAY clearly indicates every turn in a generated route.

Push the Location Information button while a turn dot is selected and the Turn Preview Screen for that turn will immediately appear. It's easy to make the iWAY generate a route. It's a little harder to describe exactly how you should use that information.

Following the routes generated by the iWAY will take some practice. You have to learn when it's perfect and when it's just good. And, of course, you have to learn what exactly it *means* by some of the terms it uses. In the following pages we will try to give you some pointers to lead you in that direction.

Knowing the Area

The iWAY is designed to help you find your way around unfamiliar streets. It *can* be extremely handy at home, too, but there is no substitute for local knowledge. If you use the iWAY in your own neighborhood it may occasionally recommend a route that you know isn't the best option. The unit does its best to provide the optimum route in all situations but if you know a better path than the one the iWAY provides, take it. As soon as you leave the iWAY's recommended course it will immediately begin generating a new route based on your new position.

Using Turn Preview and the Directions List

Turn Preview and the Directions list are both addressed in Section 4. The main navigation mode of the iWAY is the Map Mode with its Overlay Data and voice instructions.

The goal of the Map Mode is to provide you a constant awareness of your current position on your route and a general sense of the larger route. Turn Preview and the Directions list are designed to give you slightly different information from the basic Map Mode navigation.

Turn Preview allows you to leave your current position and focus more closely on a turn in the route ahead. A closer zoom range and large-font data boxes will appear to help you see exactly what the road conditions are ahead.

The Directions list gives you a detailed description of the entire route with more information than you can see in the basic Map Mode. The Directions list displays every step of the way, so you get a good idea of what to expect further down the road.

The path described in the Directions list parallels the magenta route line on your Map Mode. Every entry in the list is shown on the map's route as a dot, as mentioned before. You can select any turn in the Directions list to open a Turn Preview screen for that instruction.

These tools can be very useful when checking a route through a known area. After the iWAY generates a route open the Directions list and read through the steps to see if it generally matches the path you would take. If the route is over unknown ground this can be a very useful way to prepare your self for the path ahead.

Considering Temporary or Local Conditions

Unfortunately, the iWAY cannot possibly be aware of all temporary or local conditions that could affect your course. Short-term construction, traffic jams or local bans on U-turns could all impact the usefulness of an iWAY-generated route.

If you are following a route generated by the iWAY and temporary or local conditions make it impossible or inconvenient to follow the iWAY's instructions use your best judgment. Keep driving and do your best to keep moving toward your destination.

Whenever the iWAY notices that you have left the path it generated for you it will begin generating a new one based on your new position. This feature will help you when dealing with temporary or local conditions that interfere with a route.

When construction diverts you from the route the iWAY recommended you will often find that the iWAY recalculates your route and creates one that matches the official detour.

The most important step in learning how to follow iWAY's routes is practice. Use the iWAY as often as possible and pay attention to the way it "thinks." With time you will learn exactly how to get the most out of the navigation provided by the unit.

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FCC Compliance

This device complies with Part 15 of the U.S. Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the factory customer service department for help.

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We warrant this product against defects or malfunctions in materials and workmanship, and against failure to conform to this product's written specifications, all for one (1) year from the date of original purchase by you. WE MAKE NO OTHER EXPRESS WARRANTY OR REPRESENTATION OF ANY KIND WHATSOEVER CONCERNING THIS PRODUCT. Your remedies under this warranty will be available so long as you can show in a reasonable manner that any defect or malfunction in materials or workmanship, or any non-conformity with the product's written specifications, occurred within one year from the date of your original purchase, which must be substantiated by a dated sales receipt or sales slip. Any such defect, malfunction, or non-conformity which occurs within one year from your original purchase date will either be repaired without charge or be replaced with a new product identical or reasonably equivalent to this product, at our option, within a reasonable time after our receipt of the product. If such defect, malfunction, or non-conformity remains after a reasonable number of attempts to repair by us, you may elect to obtain without charge a replacement of the product or a refund for the product. THIS REPAIR, OR REPLACEMENT OR REFUND (AS JUST DESCRIBED) IS THE EXCLUSIVE REMEDY AVAILABLE TO YOU AGAINST US FOR ANY DEFECT, MALFUNCTION, OR NON-CONFORMITY CONCERNING THE PRODUCT OR FOR ANY LOSS OR DAMAGE RESULTING FROM ANY OTHER CAUSE WHATSOEVER. WE WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO ANYONE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR OTHER INDIRECT DAMAGE OF ANY KIND.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty does NOT apply in the following circumstances: (1) when the product has been serviced or repaired by anyone other than us; (2) when the product has been connected, installed, combined, altered, adjusted, or handled in a manner other than according to the instructions furnished with the product; (3) when any serial number has been effaced, altered, or removed; or (4) when any defect, problem, loss, or damage has resulted from any accident, misuse, negligence, or carelessness, or from any failure to provide reasonable and necessary maintenance in accordance with the instructions of the owner's manual for the product.

We reserve the right to make changes or improvements in our products from time to time without incurring the obligation to install such improvements or changes on equipment or items previously manufactured.

This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

REMINDER: You must retain the sales slip or sales receipt proving the date of your original purchase in case warranty service is ever required.

LOWRANCE ELECTRONICS
12000 E. SKELLY DRIVE, TULSA, OK 74128
(800) 324-1356

How to Obtain Service...

...in the USA:

We back your investment in quality products with quick, expert service and genuine Lowrance parts. If you're in the United States and you have technical, return or repair questions, please contact the Factory Customer Service Department. Before any product can be returned, you must call customer service to determine if a return is necessary. Many times, customer service can resolve your problem over the phone without sending your product to the factory. To call us, use the following toll-free number:

800-324-1356

8 a.m. to 5 p.m. Central Standard Time, M-F

Lowrance Electronics may find it necessary to change or end our shipping policies, regulations, and special offers at any time. We reserve the right to do so without notice.

...in Canada:

If you're in Canada and you have technical, return or repair questions, please contact the Factory Customer Service Department. Before any product can be returned, you must call customer service to determine if a return is necessary. Many times, customer service can resolve your problem over the phone without sending your product to the factory. To call us, use the following toll-free number:

800-661-3983

905-629-1614 (not toll-free)

8 a.m. to 5 p.m. Eastern Standard Time, M-F

...outside Canada and the USA:

If you have technical, return or repair questions, contact the dealer in the country where you purchased your unit. To locate a dealer near you, visit our web site, www.lowrance.com and look for the Dealer Locator.

Accessory Ordering Information for all countries

To order Lowrance GPS accessories, please contact:

1) Your local sporting goods, marine, aviation, automobile or consumer electronics store. Most quality dealers that handle outdoor electronic equipment or other consumer electronics should be able to assist you with these items.

To locate a Lowrance dealer near you, visit our web site, and look for the Dealer Locator (www.lowrance.com/support/dealerlocator). Or, you can consult your telephone directory for listings.

2) U.S. customers: LEI Extras Inc., PO Box 129, Catoosa, OK 74015-0129
Call 1-800-324-0045 or visit our web site www.lei-extras.com.

3) Canadian customers can write:

Lowrance/Eagle Canada, 919 Matheson Blvd. E. Mississauga, Ontario L4W2R7 or fax 905-629-3118.

Shipping Information

If it becomes necessary to send a product for repair or replacement, you must first receive a return authorization number from Customer Service. Products shipped without a return authorization will not be accepted. When shipping, we recommend you do the following:

- 1.** Please do not ship the knobs or mounting bracket with your unit.
- 2.** If you are sending a check for repair, please place your check in an envelope and tape it to the unit.
- 3.** For proper testing, include a brief note with the product describing the problem. Be sure to include your name, return shipping address and a daytime telephone number. An e-mail address is optional but useful.
- 4.** Pack the unit in a suitable size box with packing material to prevent any damage during shipping.
- 5.** Write the Return Authorization (RA) number on the outside of the box underneath your return address.
- 6.** For your security, you may want to insure the package through your shipping courier. Lowrance does not assume responsibility for goods lost or damaged in transit.

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Lowrance Pub. 988-0160-201

Printed in USA 080706

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