GARMIN

# StreetPilot® 2610/2650

*portable car navigation*
*operating instructions*

StreetPilot 2650 pictured
StreetPilot 2610 not shown

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## Preface

Congratulations on choosing one of the most advanced GPS navigation systems available! The Garmin StreetPilot 2610/2650 utilizes the proven performance of Garmin GPS and full featured mapping to create an unsurpassed mobile navigation system.

This manual covers instructions for the StreetPilot 2610 and Street Pilot 2650. **Unit operation and specifications are the same on both models, unless otherwise specified.** To get the most out of your new navigation system, take the time to go through this owner's manual and learn the operating procedures for your unit. This manual is broken down into three parts for your convenience.

Part One introduces you to your StreetPilot 2610/2650. This includes warnings and cautions, maintenance for your StreetPilot 2610/2650, and the configuration of the buttons.

Part Two is divided into sections that provide detailed references to the advanced features and operations of the StreetPilot 2610/2650.

Part Three gives additional information such as a glossary of terms and installation instructions. Use the Table of Contents on the next page for a quick reference to the desired appendix.

## Customer Service Product Registration

**Help us better support you by completing our on-line registration today!** Have the serial number of your StreetPilot 2610/2650 handy and connect to our web site (*www.garmin.com*). Look for the Product Registration link on the Home page. Also, be sure to record your serial number in the right-hand column for a quick reference.

*NOTE: If you have previously registered a Garmin product purchase, we invite you to re-register using our on-line system. Many services provided by our new product registration system are now being automated and re-registering your purchase ensures you the best possible support from Garmin.*

## Product Registration

### Serial Number

*Use this area to record the serial number (8-digit number located on the bottom of the unit) in case it is lost, stolen, or needs service. Be sure to keep your original sales receipt in a safe place or attach a photocopy inside the manual.*

Serial Number:

*The Garmin StreetPilot 2610/2650 has no user-serviceable parts. Should you ever encounter a problem with your unit, please take it to an authorized Garmin dealer for repairs.*

*The StreetPilot 2610/2650 is fastened shut with screws. Any attempt to open the case to change or modify the unit in any way voids your warranty and may result in permanent damage to the equipment.*

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## FCC Compliance Statement

### FCC Compliance

The StreetPilot 2610/2650 complies with Part 15 of the FCC interference limits for Class B digital devices FOR HOME OR OFFICE USE. These limits are designed to provide more reasonable protection against harmful interference in a residential installation, and are more stringent than "outdoor" requirements.

Operation of this device is subject to the following 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.

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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or and experienced radio/TV technician for help.

The StreetPilot 2610/2650 does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operated this device under Part 15 regulations.

## Warnings and Cautions

**CAUTION:** Use the StreetPilot 2610/2650 at your own risk. To reduce the risk of unsafe operation, carefully review and understand all aspects of this Owner's Manual—and thoroughly practice operation using the simulator mode prior to actual use. When in actual use, carefully compare indications from the StreetPilot 2610/2650 to all available navigation sources, including the information from other NAVAIDs, visual sightings, charts, etc. For safety, always resolve any discrepancies before continuing navigation.

**CAUTION:** IT IS THE USER'S RESPONSIBILITY TO USE THIS PRODUCT PRUDENTLY. THIS PRODUCT IS INTENDED TO BE USED ONLY AS A NAVIGATIONAL AID AND MUST NOT BE USED FOR ANY PURPOSE REQUIRING PRECISE MEASUREMENT OF DIRECTION, DISTANCE, LOCATION OR TOPOGRAPHY. THIS PRODUCT SHOULD NOT BE USED AS AN AID TO DETERMINE GROUND PROXIMITY FOR AIRCRAFT NAVIGATION.

**CAUTION:** The electronic chart is an aid to navigation and is designed to facilitate the use of authorized government charts, not replace them. Only official government charts and notices to mariners contain all information needed for safe navigation – and, as always, the user is responsible for their prudent use.

**MAP DATA INFORMATION:** One of the goals of Garmin is to provide customers with the most complete and accurate cartography that is available to us at a reasonable cost. We use a combination of governmental and private data sources, which we identify as required in product literature and copyright messages displayed to the consumer. Virtually all data sources contain inaccurate or incomplete data to some degree. This is particularly true outside the United States, where complete and accurate digital data is either not available or prohibitively expensive. Because the map data may not be perfect, it helps at times to cross-check the unit's map with your actual surroundings to confirm that you are arriving at the exact destination.

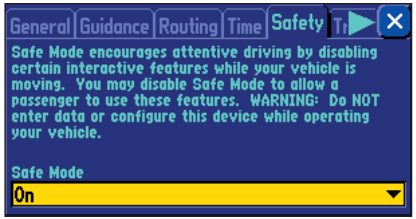
**WARNING:** The Global Positioning System (GPS) is operated by the United States government, which is solely responsible for its accuracy and maintenance. The system is subject to changes which could affect the accuracy and performance of all GPS equipment. Although the Garmin StreetPilot 2610/2650 is a precision electronic NAVigation AID (NAVAID), any NAVAID can be misused or misinterpreted and, therefore, become unsafe.

**WARNING:** For use in vehicles, it is the sole responsibility of the owner/operator of the StreetPilot 2610/2650 to secure the unit so that it will not interfere with the vehicle's operating controls, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident. Do not mount the StreetPilot 2610/2650 over air bag panels or in the field of air bag deployment. Air bags expand with a rapid force that can propel objects in their path toward the driver or passengers causing possible injury. Refer to air bag safety precautions contained in the vehicle's owner manual. Do not mount the StreetPilot 2610/2650 in a place where the driver or passengers are likely to impact it in an accident or collision. The mounting hardware provided by Garmin is not warranted against collision damage or the consequences thereof.

**WARNING:** For use in vehicles, it the sole responsibility of the driver of the vehicle to operate the vehicle in a safe manner, maintain full surveillance of all driving conditions at all times, and not become distracted by the StreetPilot 2610/2650 to the exclusion of safe driving practices. It is unsafe to operate the controls of the StreetPilot 2610/2650 while you are driving. Failure by the driver of a vehicle equipped with a StreetPilot 2610/2650 to pay full attention to operation of the vehicle and road conditions while the vehicle is in motion could result in an accident or collision with property damage and personal injury.

**WARNING:** This product, its packaging, and its components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This Notice is being provided in accordance with California's Proposition 65. If you have any questions or would like additional information, please refer to our web site at http://www.garmin.com/prop65.

## Warnings and Cautions




*Your StreetPilot is equipped with a 'Safe Mode' feature to improve driver safety. By default, this feature is enabled, but can be turned off to allow a passenger to operate the unit.* ***When your vehicle is moving, Safe Mode disables certain StreetPilot functions*** *which require significant operator attention and may become a distraction to use while driving. See page 36 for details.*

***For instructions on vehicle installation, see Appendix A (pages 44).***

## Software License Agreement

### Software License Agreement

BY USING THE STREETPILOT 2610/2650, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE FOLLOWING SOFTWARE LICENSE AGREEMENT. PLEASE READ THIS AGREEMENT CAREFULLY.

Garmin grants you a limited license to use the software embedded in this device (the "Software) in binary executable form in the normal operation of the product. Title, ownership rights and intellectual property rights in and to the Software remain in Garmin.

You acknowledge that the Software is the property of Garmin and is protected under the United States of America copyright laws and international copyright treaties. You further acknowledge that the structure, organization and code of the Software are valuable trade secrets of Garmin and that the Software in source code form remains a valuable trade secret of Garmin. You agree not to decompile, disassemble, modify, reverse assemble, reverse engineer or reduce to human readable form the Software of any part thereof or create any derivative works based on the Software. You agree not to export or re-export the Software to any country in violation of the export control laws of the United States of America.

## Warranty

### Garmin Addresses

Garmin International, Inc.
1200 E. 151st Street
Olathe, KS 66062, U.S.A.
Phone: 800/800.1020
FAX: 913/397.0836

Garmin (Europe) Ltd.
Unit 5, The Quadrangle,
Abbey Park Industrial Estate
Romsey, SO51 9DL, U.K.
Phone: 44/1794.519944
FAX: 44/1794.519222

www.garmin.com

**LIMITED WARRANTY**

This Garmin product is warranted to be free from defects in materials or workmanship for one year from the date of purchase. Within this period, Garmin will at its sole option, repair or replace any components that fail in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

IN NO EVENT SHALL GARMIN BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT. Some states do not allow the exclusion of incidental or consequential damages, so the above limitations may not apply to you.

Garmin retains the exclusive right to repair or replace the unit or software or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

To obtain warranty service, call your local Garmin authorized dealer. Or call Garmin Customer Service at one of the numbers listed on the right for shipping instructions and an RMA tracking number. The unit should be securely packed with the tracking number clearly written on the outside of the package. The unit should be sent, freight charges prepaid, to any Garmin warranty service station. A copy of the original sales receipt is required as the proof of purchase for warranty repairs.

Products sold through online auctions are not eligible for rebates or other special offers from Garmin. Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Garmin will not replace missing components from any package purchased through an online auction.

## Maintenance

### GPS Cleaning

The StreetPilot 2610/2650 case and remote are constructed of high quality materials and do not require user maintenance other than cleaning. Clean the unit using a cloth dampened with a mild detergent solution and then wipe dry. Avoid chemical cleaners and solvents that may damage plastic components.

### Touchscreen Cleaning

The StreetPilot 2610/2650 touchscreen is intended primarily for finger operation. Although a PDA stylus may also be used to operate touchscreen, never attempt this while operating a vehicle. Never use a hard or sharp object to operate the touchscreen or damage may result. The touchscreen should be cleaned using a soft, clean, lint-free cloth. Water, isopropyl alcohol, or eyeglass cleaner may be used if needed. If these are used, apply liquid to cloth and then gently wipe touchscreen with moistened cloth.

### Storage

Do not store the StreetPilot 2610/2650 where prolonged exposure to temperature extremes may occur (such as in the trunk of a car) as permanent damage may result. User information, such as waypoints, routes, etc. are retained in the unit's memory without the need for external power. It is always a good practice to back up important user data by manually recording it or downloading it to a PC (transferring it to MapSource).

Storing alkaline batteries in the remote control for extended periods is not recommended. In order to reduce the chance for battery leakage in the battery compartment, remove the batteries when storing the unit for more than six months.

## Packing List

Before installing and getting started with your unit, please check to see that your package includes the following items. **If any parts are missing, please contact your Garmin dealer immediately.**

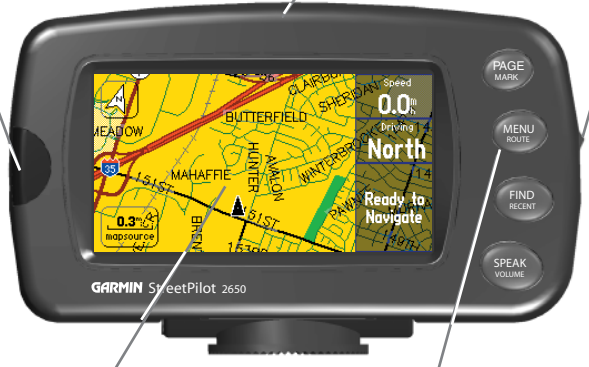
**Standard Package:**

- StreetPilot 2610 or 2650
- MapSource City Navigator CD-ROM with Unlock Certificate
- CompactFlash® Memory Card
- Dash Mount
- Portable Bean Bag Mount (Friction Mount)
- External Speaker with 12/24-volt Adapter Cable
- A/C Power Adapter
- PC/USB Interface Cable
- DR (Dead Reckoning) Installation Cable (2650 Only)
- Alphanumeric Remote Control (Requires two alkaline AA batteries. Not included)
- Owner's Manual
- Quick Reference Guide
- Setup Guide

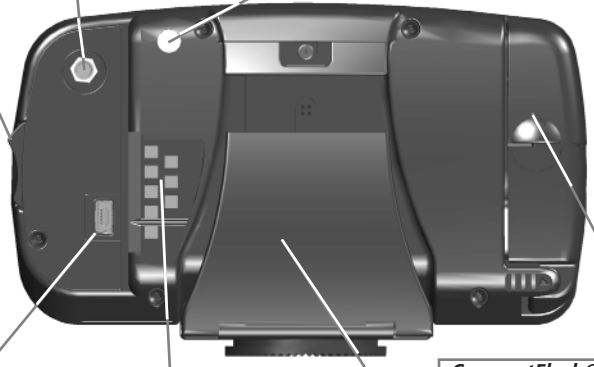
**Optional Accessories:**

- Remote GPS Antenna (GA 27C)
- Deluxe Carrying Case
- 128 and 256 MB CompactFlash® Memory Cards

## Unit Description




Front View



Back View

***Infrared Window***

*Receives signals from remote control. Do not block.*

***Internal Patch Antenna***

*Receives signals from GPS satellites to determine position. Do not block.*

***Power Switch***

*Toggle DOWN to turn unit ON and UP to turn OFF.*

***External Antenna Connector***

*Connection for optional external antenna.*

***Light Sensor***

*Automatically adjusts backlight level*

***8-Bit Color LCD Touch Screen Display***

*On-screen information is referred to as a "page". Press **PAGE/MARK** key to select a different screen.*

***Keypad***

*Controls unit operation.*

***USB Connector***

*Interface unit with a PC to program the CF card,*

***Power/Speaker Connector***

*Connector for power, speaker, and Dead Reckoning cable (2650 only)*

***Adjustable Mount***

*Allows the unit to connect to the mounting base and tilt forward/backward.*

***CompactFlash® Card Door***

*Insert programmed CF card for increased map detail and information lookup capability. Keep door shut to prevent water entry.*

## Keypad Usage

The StreetPilot 2610/2650 keypad allows you to perform more than one function using a single key. The key's primary function appears in larger text above the secondary function. Always press and release a key to perform its primary function. Pressing and holding a key activates its secondary function (if available). For example, quickly pressing and releasing the **PAGE/MARK** key cycles through the available main pages. If you press and hold the PAGE/MARK key for more than 2 seconds (then release), the unit marks the current position as a waypoint (See page 20).

**PAGE/MARK Key — PAGE** switches between main pages and returns display from an option window back to a main page. **MARK** captures your present position and saves it as a waypoint.

**MENU/ROUTE Key — MENU** displays a menu of options for the current page. Press twice to display various Info options. **ROUTE** displays a pop-up window of available route navigation features.

**FIND/RECENT Key — FIND** displays search options for Cities, Exits, Waypoints, and Recently found places. If MapSource City Navigator or MetroGuide map data is loaded in an installed CompactFlash® card, it also searches for various Points of Interest, Addresses, and Intersections. **RECENT** allows you to view a sortable list of recent finds.

**SPEAK/VOLUME Key — SPEAK** triggers the voice to repeat the next turn or current destination when navigating and current GPS status when not navigating. **VOLUME** displays an adjustment slide on the screen to change the speaker volume. To hear the volume count (i.e., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10) touch up or down on the slider. Each press activates the audio number.

Keypad Usage

## Remote Usage

### Alphanumeric Remote Control Usage

The StreetPilot 2610/2650's alphanumeric remote control allows you to perform functions similar to the unit's touch screen and keypad controls. The key's primary function appears on the key and the secondary functions (same as keys on unit) for the **PAGE**, **MENU**, **FIND**, and **SPEAK** can be activated by holding the key for more than 2 seconds (then release).

In order for the remote to operate properly, be sure to point the IR (infrared) window on the remote towards the unobstructed IR window on the left front of the StreetPilot 2610/2650.

The remote also has additional function keys that allow you to quickly enter data and perform other operations on the unit:

**(ZOOM) IN Key —** Zooms in to adjust the Map page scale to show a smaller area with more detail.

**(ZOOM) OUT Key —** Zooms out to adjust the Map page scale to show a larger area with less detail.

**QUIT Key —** Returns display to previous page. When entering data, pressing **QUIT** restores the previous value (cancels data entry.)

**ROUTE Key—** Displays a pop-up window of available route navigation features.

**THUMB STICK —** Selects menu options, changes settings, and enters data. Also controls movement if the panning cursor on the Map page. Press IN on the **THUMB STICK** to select/activate a highlighted item or begin data entry.

**ALPHANUMERIC KEYS —** Used when entering alphanumeric data in the unit, such as an address or waypoint name. These keys can be used in conjunction with the **THUMB STICK**. To select the first letter press the key once, to select the second letter press the key twice, to select the third letter press the key three times, or to select the number press the key four times (five times for 7 and 9). (The **1** key only accepts one press and **SPACE/0** key only accepts two key presses.) When you have the correct letter or number selected, pause and the unit advances the cursor to the next character automatically.

The remote requires two AA alkaline batteries. To install the batteries, press UP on the battery door clip, then pull the battery door away from the remote. Install batteries observing the correct polarity (see inside battery compartment). Replace cover, making sure the it is closed all the way.

## Turning the StreetPilot 2610/2650 On and Off

Toggle the power switch on the right side DOWN to turn the unit On and UP to turn Off. The Welcome screen appears briefly, followed by the Card Information/MapSource copyright page, Press IN on the **THUMB STICK** or **TOUCH** 'OK' to acknowledge, or wait briefly until the Safe Driving Warning Message appears. Once again, press IN on the **THUMB STICK** or **TOUCH** 'OK' or wait until the Map Page appears.

## Adjusting the Backlight, Contrast, and Speaker Volume

The StreetPilot 2610/2650 display and keys can be illuminated for operation at night or in bright sunlight. Backlight intensity and screen contrast are adjustable. When operating the StreetPilot 2610/2650 at extreme temperatures, you may find that minor adjustments are needed to obtain the clearest screen.

### To adjust screen backlighting and contrast:

1. Press the remote or unit **MENU** key. Select 'Display' (see pages 4-5).
2. Adjust the backlight and the contrast to the desired level (see pages 4-5). To have the unit automatically adjust the brightness, place a check in the 'Automatic Brightness' box. For optimum Automatic Brightness results, set the brightness to a middle level. If Automatic Brightness is checked, the lower the brightness slide level is set to, the sooner the unit reaches a minimum brightness level. The unit automatically adjusts the level depending on ambient light conditions.

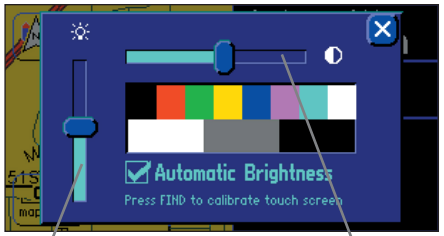
### To adjust the external speaker volume:

1. Press and hold the **SPEAK/VOLUME** key. A slider adjustment window appears.
2. Adjust the speaker volume (see pages 4-5). The loudest setting is ten, the softest is one. (Alternatively, volume can be cycled between three settings by repeatedly pressing **SPEAK/VOLUME** button from this screen.) Each press activates the audio number.

### To calibrate the touch screen:

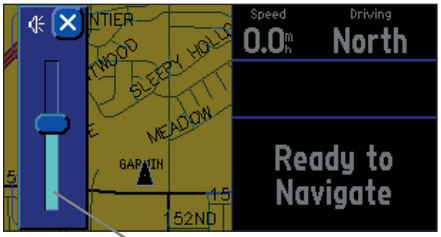
1. Press the remote or unit **MENU** key. Select 'Display' (see pages 4-5).
2. Press the remote or unit **MENU** key again to begin calibration. Follow the on-screen instructions.

## Power/Display Adjustments




*Brightness Slider.*

*Contrast Slider.*




*Speaker Volume Slider.*

## Touch Screen/Data Entry

*The StreetPilot 2610/2650 touchscreen is intended primarily for finger operation. Although a PDA stylus may also be used to operate touchscreen, never attempt this while operating a vehicle.* ***Never use a hard or sharp object to operate the touchscreen or damage may result.*** *The touchscreen should be cleaned using a soft, clean, lint-free cloth. Water, isopropyl alcohol, or eyeglass cleaner may be used if needed. If these are used, apply liquid to cloth and then gently wipe touchscreen with moistened cloth.*

*Entering Data*

### Touch Screen Control

The StreetPilot 2610/2650's Touch Screen allows you to make menu selections, position the pointer/cursor, scroll through menu selections, and enter data with the touch of a finger.

To use the touch screen control, **TOUCH** the desired object on the screen, applying just enough pressure to active the function. **It is not necessary to apply excessive pressure to the touch screen.** If the 'Touchscreen Tone' setting is 'On', you hear a click from the speaker with every finger press. If the touch screen is not responding properly, it may need to be calibrated (see page 3).

To perform actions such as panning on the map or scrolling through menus, **TOUCH** and hold on the screen while sliding your finger to the desired map or menu point.

### Features and Data Entry

The following features and data entry procedures are referred to throughout this manual.

**Cursor —** A yellow highlighted area on the screen that can be moved up/down/left/right with the remote control **THUMB STICK** or by **TOUCH** to select individual fields on the display. Moving the cursor to a given location allows you to begin data entry, change settings, or scroll through a list.

**Field —** The location on a page where a group of characters or an option is entered and displayed. The cursor is placed on a field (using the **THUMB STICK** or by **TOUCH)** to begin data entry or selection of options.

**To enter data in a data field:**

1. Use the **THUMB STICK** by moving it UP, DOWN, LEFT, or RIGHT to highlight the desired data field and press IN or **TOUCH** the desired field to begin data entry.
2. For the touch screen, **TOUCH** the desired letters or numbers. To switch between entering letters and numbers, **TOUCH** the 'A-Z' tab for letters and the '0-9' tab for numbers. The unit automatically advances the cursor to the next position. **TOUCH** '<' to back up the cursor or '>' to advance. **TOUCH** 'Space' to enter a space. **TOUCH** 'Delete' to delete the highlight character. The unit automatically shows greyed out predictive text for Find fields. **TOUCH** '>' or press the **THUMB STICK** RIGHT to use the letters.
   For the remote, use the **THUMB STICK** to highlight the desired letter/number or option and press IN or for entering letters/numbers, use the **ALPHANUMERIC** keys by pressing the desired key once for the first letter, twice to select the second letter, three times to select the third letter, or to select the number press the key four times. (The **1** key only accepts one press and **SPACE/0** key only accepts two key presses,

press fives times for the number on the 7 and 9 keys.) When you have the correct letter or number selected, pause and the unit advances the cursor to the next character automatically. Move the cursor all the way to the left position, then once more to clear the entire data field.

3. Once the desired data has been entered, **TOUCH** or highlight and press IN on the **THUMB STICK** on 'OK' to confirm.

### To select and change a setting:

1. Highlight the field with the **THUMB STICK** by pressing UP, DOWN, LEFT or RIGHT, and press IN or **TOUCH** the desired field.
2. Highlight the desired setting with the **THUMB STICK** and press IN or **TOUCH** the desired setting.

**Icons —** Similar to "Field" and "On-Screen Buttons". Icons are graphical pictures of menu items or map options. Place the cursor on a button and press IN on the **THUMB STICK** or **TOUCH** the button select. As you highlight menu icons with the **THUMB STICK**, the title text enlarges for easier viewing.

**On-Screen Button —** Similar to "Field". Place the cursor on a button and press IN on the **THUMB STICK** or **TOUCH** the button select the action corresponding to that button. An example of an on-screen button is the 'Go To' button appearing at the bottom of the New Waypoint page.

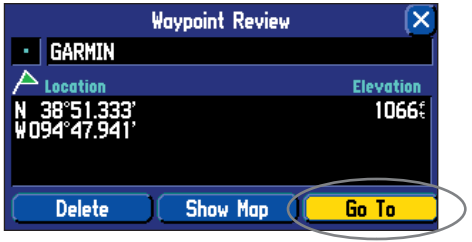
**Scroll Bar —** When viewing a list of items too long to display on a single page, a scroll bar appears along the right-hand side of the list. The position of the scroll bar indicates which portion of the list is currently being displayed. The height of the scroll bar indicates the number of items in the list.

### To scroll through a list of items:

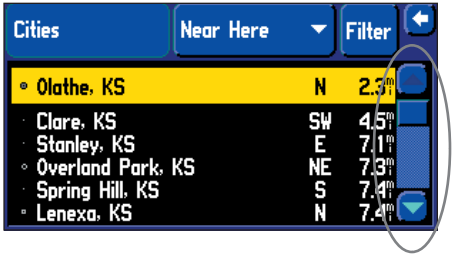
1. Move UP or Down on the **THUMB STICK**. You may also **TOUCH** the blue up or down arrows to scroll through the list one item at a time; **TOUCH** and hold the scroll bar, then slide UP or DOWN to scroll; or **TOUCH** the area above or below the scroll bar to scroll a page at a time.

**Default —** A system-selected format built into the operating software or the unit's memory that is followed unless the user chooses a different setting. For example, the default setting for speed readings is 'Statute' or but can be changed to 'Metric'. Once a setting is changed, the new setting is retained until another change is made or the 'Restore Settings' menu option is selected.

## Data Entry/Selecting




*An example of an on-screen "button"—the 'Go To' button on the Waypoint Marked page.*

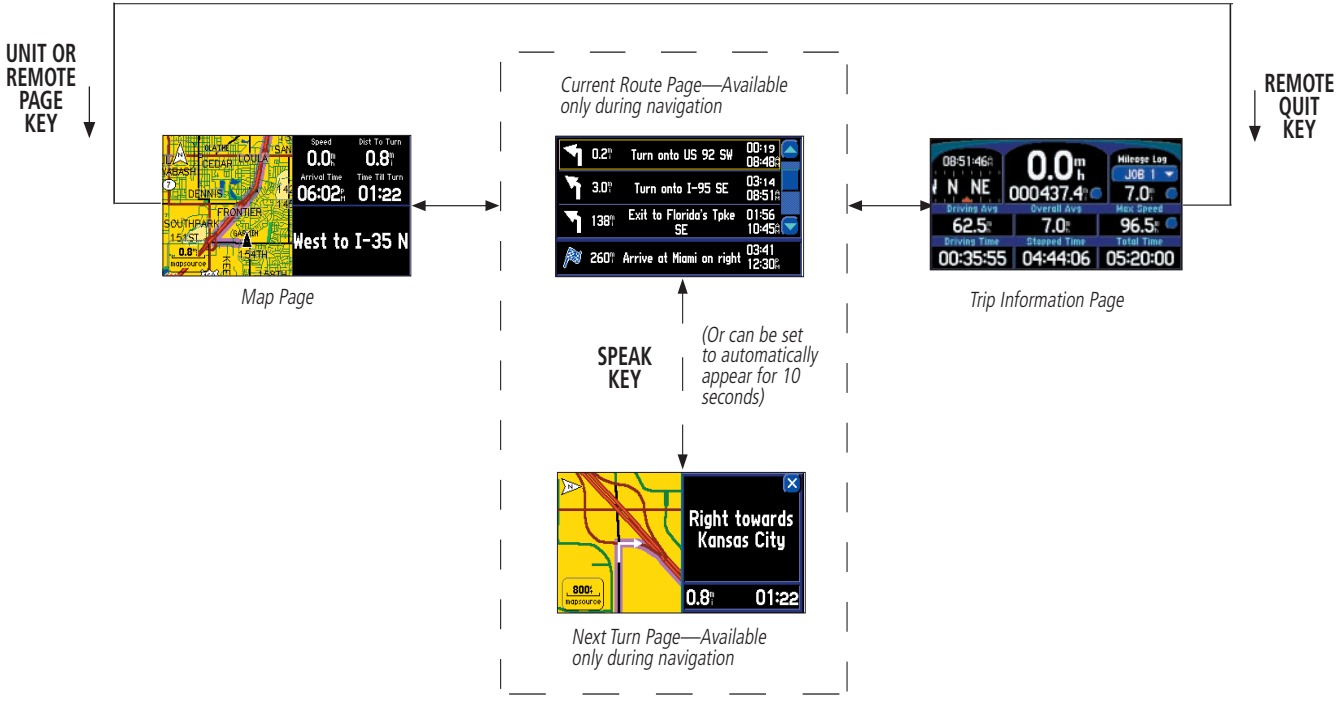



*When viewing a list of items too long to display on a single page, a scroll bar appears along the right-hand side of the list. Also, using the LEFT/RIGHT portion of the **THUMB STICK** scrolls information one full screen at a time.*

## Unit Pages

### Unit Pages at a Glance

All of the information needed to operate the StreetPilot 2610/2650 is found on 'pages'—display screens. There are three main pages, the Map, Trip Information, and Current Route. A fourth page is available during navigation, the Next Turn page. Press the remote **PAGE** or **QUIT** key to switch back and forth between pages or press the **PAGE** key on the GPS to cycle forward. The Reference Section describes in detail what each page does and how they are configured.

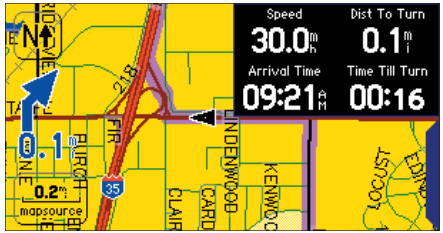


## Map Page

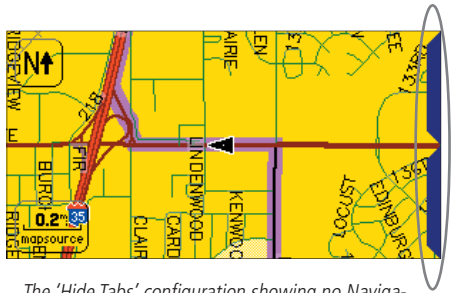
The Map page is the main operating page of the StreetPilot 2610/2650. It graphically shows you map details, your current location, and marks your route to a destination with a magenta colored route line. It tells you what direction to go or the direction you are traveling. Customizable data tabs on the right side allow you to display information such as your speed, the distance you have traveled, the distance to the next turn, the time remaining before reaching the next turn, and more. If the StreetPilot 2610/2650 has yet to calculate your location, there is a flashing question mark over the vehicle pointer and the status text displays 'Acquiring Satellites', 'Searching for Satellites', or 'Locating Satellites'. A 'Ready to Navigate' voice prompt and tab text (if a tab is set to 'NextTurn') appears.

The map display shows your present position and direction of movement as a triangular 'Position Icon' in the center of the map. The map display also shows the map scale, north reference, and geographic details such as lakes, rivers, highways, and towns. When you are driving on roads that are not present in the maps, you may see a circle drawn around the position pointer. This is the 'accuracy circle'. The StreetPilot 2610/2650 uses both map resolution and GPS accuracy in defining your location to a point within this "accuracy circle". The smaller the circle, the more accurate your location. More detailed map features as well as information about those features can be displayed using a CF data card containing map data transferred from a Garmin MapSource CD-ROM. When you zoom into smaller map scales, "MapSource" appears directly below the map scale indicating that MapSource data is being used to draw a more detailed map. The map may be also be toggled between a North Up or Track Up orientation. (see page 12)

## Map Page

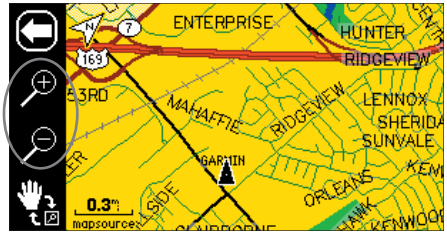



*For maximum map display, you can select 'Hide Tabs'. This section of the manual discusses how to select between the displays. You may also **TOUCH** the tabs to hide/show them.*

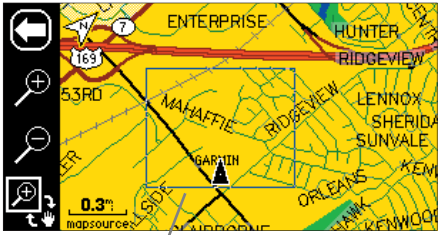



*The 'Hide Tabs' configuration showing no Navigation Information. **TOUCH** the placeholder to show the tab again.*

## Map Page




*Select '+' to zoom in and '-' to zoom out.*




*Drag to create a box around the zoom area.*

### Zooming, Panning and Pointing

There are three main actions you can perform on the Map page: zooming, panning, and pointing. The map display has 24 map scales (from 120 feet to 800 miles) that are selected by pressing the remote **IN** and **OUT** zoom keys or **TOUCH** the current map scale in the lower left corner of the map display. You can change the map scale to show more map area with less detail, or less map area with more detail.

**To change the map scale:**

1. **TOUCH** the map scale on the lower left corner. A zoom/pan toolbar appears on the left side of the display and the data tabs on the right are hidden. **TOUCH** the '+' magnifying glass icon to zoom IN to see a smaller area with more detail. You may also use the remote **IN** zoom key (The toolbar does not appear when using the remote.) Press and hold this remote key to zoom the map scale rapidly.
2. **TOUCH** the '-' icon to zoom OUT to see a larger area with less detail. You may also us the remote **OUT** zoom key. Press and hold this remote key to zoom the map scale rapidly.
3. To return back to the normal Map page, **TOUCH** the 'Back' (Left) arrow in the upper left or press **QUIT** on the remote.

You may also define a particular area to enlarge on the map by drawing a "box" on the touch screen, then lifting your finger from the screen. The zoom/pan toolbar shows both the View Area and Pan icons in the lower left. The larger of the two icons is the one that is active, with the inactive option appearing as a smaller icon in the lower right on the zoon/pan toolbar. The View Area option can only be used with the touch screen.

**To zoom in on particular map area:**

1. **TOUCH** the map to display the zoom/pan toolbar.
2. If the Pan (hand) icon is the larger of the two, **TOUCH** the icon. The icons change places and the View Area icon is the larger.
3. **TOUCH** and hold a point adjacent to the area you want to enlarge and then drag to create a box around the area. Lift your finger to complete, allowing the map to redraw. The unit zooms in on the drawn area and adjust the zoom scale as needed. The unit zooms in greater scale increments if a smaller box is drawn. Note that when the View Area Selector is active, the Pan Map feature is not usable.

When zoomed in to smaller map areas, 'overzoom' appears directly below the map scale. This indicates the current scale exceeds the optimum resolution of available map detail. Extra caution should be used in 'overzoom' since some detail, such as roads, are drawn using widely spaced points and the actual layout of these details may differ from the map presentation.

Panning allows you to move the map in order to view areas beyond the current map area. This provides a 'look ahead' capability, which is particularly useful with smaller map areas. While in panning mode, the data tabs on the right are hidden.

**To pan the Map page:**

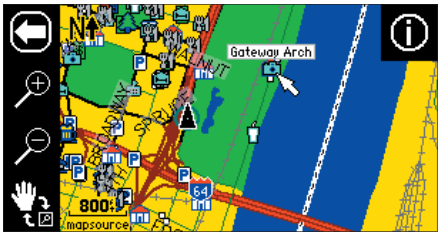
1. Use the remote **THUMB STICK** or **TOUCH**, hold, and drag your finger to move the map in any direction, including diagonally.
2. Once you are finished panning, you can quickly remove the panning arrow and re-center the map on your present position by pressing the remote **QUIT** key or **TOUCH** the back arrow in the upper left.

As you begin to pan the map with the remote, a pointer appears. This map pointer serves as a target marker for the map. If you change the scale, the map is redrawn with the pointer at the center. When the pointer is placed on a map object, the name of that object is highlighted and an 'I' (Information) icon appears in the upper right corner. If the pointer is on a blank area of the map, a Create Waypoint 'Flag' appears. This feature applies to everything displayed on the map except route lines and track log data. When a map item or waypoint name is highlighted, you can review information, show it on the map, or execute a 'Go To' directly from the Map page. Waypoints have an additional 'Delete' option and all other map items have a 'Flag' icon to create a waypoint at that item's location.

**To select an on-screen location with the panning pointer:**

1. Use the remote **THUMB STICK** or **TOUCH** to highlight the desired map item.
2. To view information for the selected item, press IN on the **THUMB STICK** or **TOUCH** the Information 'I' in the upper right corner.
3. To exit the information pages, press **QUIT** on the remote or **TOUCH** the 'X' in the upper right corner.

## Map Page




*The Map page showing the panning arrow and a highlighted map feature or point of interest.*

*The Information page for the historical landmark highlighted in the screen above.*

## Map Page

*When the 'New Waypoint' page appears, the waypoint is stored in memory once you select 'OK'.*

*The 'Waypoint Created' page appears with a default three-digit number for its name which can be changed to something a little more descriptive (up to 10 characters in length).*

**To create a new waypoint from the Map Page (blank map area):**

1. Use the remote **THUMB STICK** or **TOUCH** to point to the desired location on the map. Press IN on the **THUMB STICK** or **TOUCH** the 'Flag' icon. A 'New Map Waypoint' page appears, with an auto-assigned name (3-digit number) for the waypoint. To change the name or coordinates, see Data Entry on page 4.
2. To save the waypoint, **TOUCH** 'OK' or select with the **THUMB STICK**.

**To create a new waypoint using a map item:**

1. Use the remote **THUMB STICK** or **TOUCH** to point to the desired map item. Select the 'Information' icon.
2. Select the Create Waypoint 'Flag' icon. A 'New Waypoint' page appears, with an abbreviated auto-assigned name. To change the name or coordinates, see Data Entry on page 4.
3. To save the waypoint, select 'OK'.

Once you are finished with panning, you can quickly remove the panning arrow and re-center the map on your present position by pressing the remote **QUIT** key or **TOUCH** the 'Back' arrow in the upper left. See page 20 for more on creating and editing waypoints.

The 'Go To' function can be used anywhere on the map. If nothing currently exists at the map pointer position, a new waypoint is created at the pointer's location before the 'Go To' is started. You can also create a waypoint on the Map page without selecting it as a 'Go To' destination.

### Routing to a Map Feature or Location

1. Use the remote **THUMB STICK** or **TOUCH** to point to the desired map item or location on the map.
2. Select the 'Information' or 'Flag' icon in the upper right.
2. Select 'Go To'.
3. The 'Route Preference' window appears. Select 'Faster Time', 'Shorter Distance', or 'Off Road'. The StreetPilot 2610/2650 routes you to the selected destination using turn-by-turn navigation and voice prompting. See pages 27-30 for more on Routes.

## Map Page Options

Like each of the main pages, the Map page is menu driven. With the Map page displayed, pressing the remote or unit **MENU** key displays an options menu, allowing you to customize the page to your preferences and/or select special features that specifically relate to the Map page. (See page 5 for how to select menu icons.) The following options are available : 'Use Indoors', 'Measure Distance', 'Map Setup','Tab Setup' or 'Hide/Show Tabs', 'Route', 'Options', 'Info', and 'Display'.

**Use Indoors (or) Use Outdoors —** The 'Use Indoors' option stops satellite reception, conserves power usage, speeds Map page drawing, and is used for practicing with the unit. The 'Use Outdoors' option receives satellites for real-time navigation.

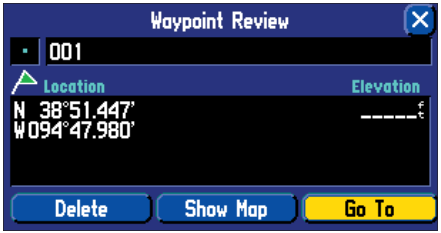
**Measure Distance —** Allows you to measure the distance between any two points you choose on the Map page. Also displays the latitude and longitude of the pointer.

**To measure the distance between two points:**

1. From the Map page, press either the unit or remote **MENU** key.
2. Select 'Measure Distance'. An on-screen pointer appears on the map display at your current location. The top of the screen displays
3. Move the panning arrow with the **THUMB STICK** to or **TOUCH** the desired reference point (the point you want to measure from) and select the check mark in the upper right corner. A data window appears at the top with the distance, bearing and coordinates.
4. Move the panning arrow to the second point, to which you want to measure. The direction and distance from the reference point is shown on the top of the Map page.
5. Press the **QUIT** key, **TOUCH** the 'Back' arrow or select 'Stop Measuring' on the menu to return to the regular Map page display.

**Map Setup —** Allows you to configure the map display to your preferences, including map detail, map orientation, automatic zooming, and color mode. The map setup options are organized under a series of 'file tabs', making individual selections easier to locate and change. The following pages describe the file tabs and settings available under each tab:

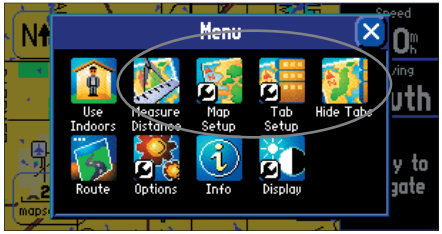
## Map Page Options




*Once you have marked a waypoint, you can route to it, show it on the map, or delete it.*

*You can route to a map item by selecting 'Go To'.*

## Map Page Options




*The Options menu on the Map page allows you to customize the Map page.*

**Common Settings**

**Text Size —** Specifies the text size that a map item display. Selecting 'None' turns off the text display for that item.

**Max Zoom —** Specifies the maximum map scale at which a map item displays. If 'Auto' is selected, the maximum map scale is determined by the 'Detail' setting to prevent map clutter. If 'Off' is selected, the item won't be shown.

**Map Options**

**Map Detail—** Adjusts the amount of map information, such as roads, that is displayed. 'Most' shows maximum detail and 'Least' shows minimum detail. The higher level of detail, the slower the map redrawing time.

**Orientation —** Selecting 'North Up' displays the map with North at the top. Selecting 'Track Up' automatically rotates the map to keep your current direction of travel at the top of the screen. A white 'North' indicator is displayed on the map when in the 'Track Up' mode. The indicator always points to North. An 'N' with a black arrow pointing up displays while in 'North Up' To quickly change the map orientation, **TOUCH** the 'Orientation' icon in the upper left to toggle between 'North Up' and 'Track Up'.

**Color Mode —** Select between Day, Night, or Automatic for best viewing conditions. 'Day' shows mostly a yellow background, 'Night' shows a black background for less intensity in a dark environment, for easier viewing while driving at night. 'Automatic' switches between day and night automatically.

**AutoZoom —** When 'On', this option automatically adjusts the map scale to show both your current location and the next item to which you are navigating.

**Line Options**

**Track Log —** Controls the display of the Track Log on the map.
**Railroad —** Controls the display of railroads on the map.
**Street Label —** Controls the display of street names on the map.

**Other Options**

**Point Tab —** Controls the display of waypoints, exits, and POIs (points of interest) on the map.

**City Tab —** Controls the display of different size cities on the map.
**Area Tab —** Controls the display of rivers, lakes, parks, and other areas (airports, shopping malls, hospitals, etc.).

Some map data is only visible at certain zoom scale ranges. For example, you may set 'Street Label' Max Zoom to 200 miles, but they would not show above a 0.8 mile zoom scale. Setting the Max Zoom to 'Auto' generally gives the best display performance.

## Resetting Map Setup Defaults

You may reset (restore) map settings for each individual setup tab or for all tabs.

### To reset map setup defaults:

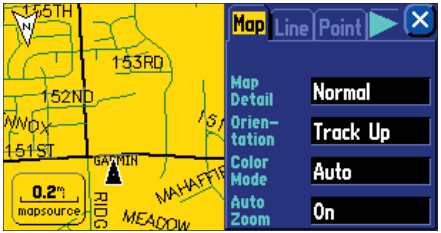
1. From the Map Page, press the unit or remote **MENU** key.
2. Select 'Map Setup'.
3. To restore defaults for an individual map setup tab, highlight the tab and press the unit or remote **MENU** key.
4. Select either 'Reset Settings' or 'Reset All Settings'.

**Tab Setup —** Data tabs on the Map page display a variety of information and may be customized. You can change the size, type of data displayed, shading of the data fields, and which tabs are shown/hidden. There are two different sets of tabs that display, depending your navigation mode. When not navigating a route, the 'Mapping' tabs are used and 'Routing' tabs are used while navigating a route.

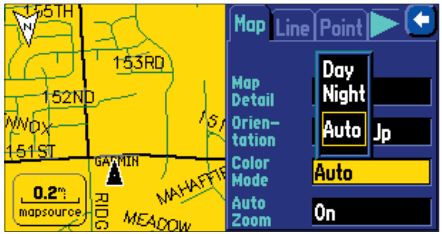
### To show/hide individual or groups of data tabs (Touch screen only):

1. From the Map page, **TOUCH** the individual tab to hide it. The tab is replaced by a blue placeholder on the right side of the display. **TOUCH** the placeholder to show the tab again. A tab turns red when it is selected.
2. To show/hide more multiple tabs, **TOUCH** and hold on the left side of the topmost group of tabs you wish to hide, hold and slide your finger in a 'L' shape down and right to the side of the display. Repeat the process in reverse to redisplay the tabs.

## Map Page Options

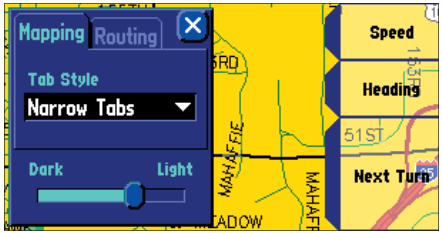



*A series of "file tabs" allow you to change the Map page setup options.*




*You can adjust the map colors for day or night operation for maximum clarity.*

## Map Page Options




*Tab Setup Menu*

*Customizing the Tabs*

**To show/hide all data tabs:**

1. From the Map page, press **MENU** on the unit or remote. Select 'Hide Tabs' or 'Show Tabs' (depending on the current setting).

**To setup data tab sizes:**

1. Select 'Tab Setup' from the Map menu.
2. Select either the 'Mapping' or 'Routing' tab.
3. Select 'Tab Style'. Choose 'Wide Tabs', 'Narrow Tabs', or 'Compact Tabs'. A preview of the layout shows on the right side along with the type of data that is to be displayed. You may select different layout for both the 'Mapping' and 'Routing' tabs.

**To change the data tab shading:**

1. Select 'Tab Setup' from the Map menu.
2. Select the Shading Slider at the bottom.
3. **TOUCH** or move Left/Right on the **THUMB STICK** to select one a shade setting.

**To customize the data tabs:**

1. Select 'Tab Setup' from the Map menu.
2. Select either the 'Mapping' or 'Routing' tab.
3. Press **MENU** on the unit or remote then select 'Custom Setup'.
4. Select the button for the tab you wish to customize. You may also choose to add tabs by selecting the tab number. If a tab is not available due to size, it is grayed out.
5. Select the primary type of data you wish to display. The number of custom tabs with that type of data appears.
6. Select 'Prev' (Previous ) or 'Next' to cycle through the available selections.
7. When the desired tab appears, select 'OK'. When done, press **QUIT** on the remote or **TOUCH** the 'X' in the upper right corner.

## Map Page Navigation Information

The following types of navigational data can be displayed on the 'Mapping' data tabs:

**Address –** Destination address when navigating to a route.

**Heading –** Current direction of travel.

**Next Turn –** Shows GPS status when stationary, the next intersection when driving, and driving instructions for the next turn when navigating a route.

**Speed –** Your rate of travel, which can be displayed in miles or kilometers per hour.

**Time of Day –** Current time.

The 'Routing' data tabs can use the same type of navigational data as 'Mapping' in addition to:

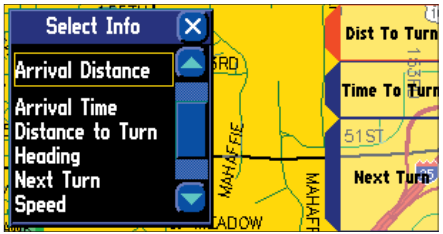
**Arrival Distance –** Distance to final destination.

**Arrival Time –** Estimated time of arrival at final destination.

**Distance To Turn –** When navigating a Route, the distance remaining to reach the next turn is displayed. When not navigating a Route, this field is not displayed.

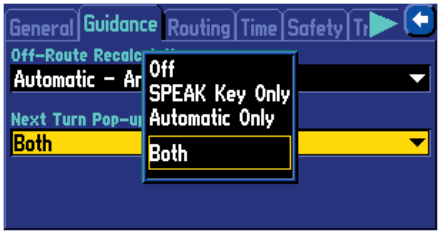
**Time to Turn –** The estimated time to go before reaching the next turn.

## Map Page Options

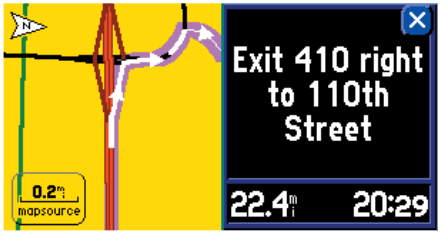



*Available Data Types (Routing Tab Shown)*

## Next Turn Page

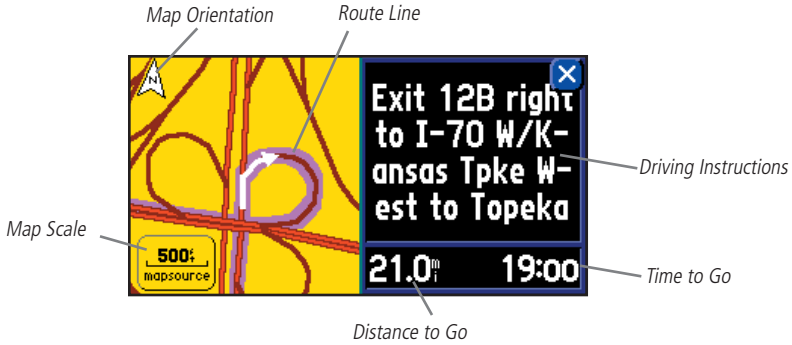



*You can select when the Next Turn page appears, or you can turn it off completely (see page 33).*




*This page appears automatically when you are navigating a route.*

### Next Turn Page

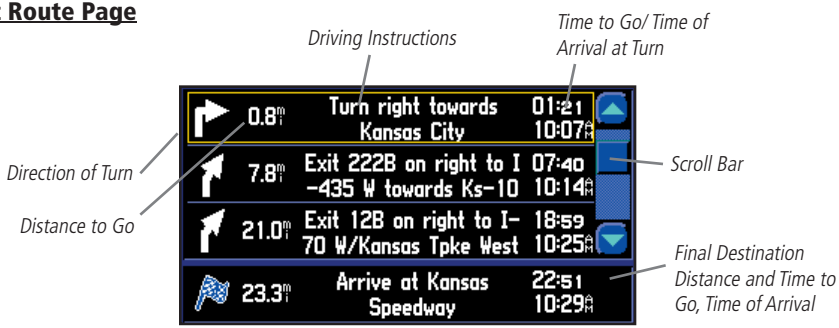



The Next Turn page displays in detailed format the features of the next turn in the route. When a route is being navigated, it shows for ten seconds. The top-view map is oriented to the inbound direction for the turn. Map scale is adjustable using the remote **IN/OUT** zoom keys or **TOUCH** the zoom scale. The page shows the distance and time to the next turn, and driving directions in text format. To clear the Next Turn page and return to the previous page at any time, press either the remote **QUIT** or **TOUCH** the 'Back' key.

The Next Turn page can be turned off completely, set to automatically appear when navigating a route, set to appear only when the **SPEAK** key is pressed, or both. See the System Setup on page 33 for instructions on configuring the Next Turn page. When not navigating a route, the Next Turn page is no longer available.

When navigating a route, the Map page displays the next turn distance and a turn direction arrow in blue on the left side of the display.

## Current Route Page




When the StreetPilot 2610/2650 is navigating a Route, the Current Route page is displayed between the Map page and the Trip Information page **(the Current Route page is only available during navigation)**. The page shows a pointer that indicates the direction of travel from your current location to the destination, a list of the next three turns and the destination (turn direction arrow, turn description, distance and time for each).It is often desirable to view the Next Turn page from the Current Route page.

### To view the Next Turn Page from the Current Route Page:

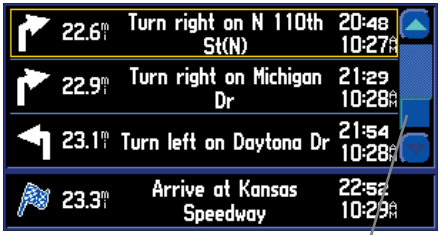
1. With the Current Route page displayed, select the turn you want to see.
2. Press the remote **QUIT** or **TOUCH** the 'X' when done looking at the next turn.

You can scroll through the entire list and highlight any of the turns in the list and view the Next Turn page for that turn.

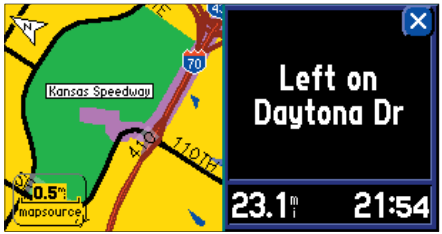
### To scroll through the list:

1. Use the **THUMB STICK** or **TOUCH** the UP/DOWN arrows or to scroll through the list, stopping at the desired turn. Select to view the Next Turn page for that turn. Press the remote **QUIT** or **TOUCH** the 'X' to get back to the Current Route page.

## Current Route Page

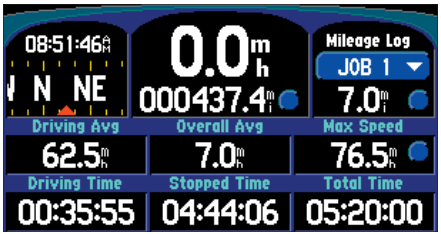



*Use the Scroll Bar to view past or future turns and directions on the Current Route page.*

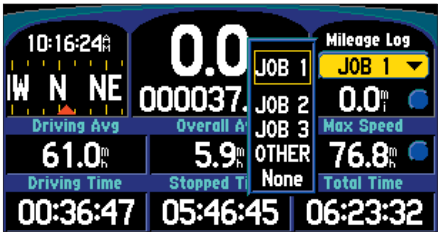



*The Next Turn page can be viewed from the Current Route page by selecting the desired turn.*

## Trip Information Page




*The Trip Information page*




*Select from different Mileage Logs.*

### Trip Information Page

The third main page is the Trip Information page. If you are making a long trip, you may find the Trip Information page very useful. It indicates your current speed and many helpful statistics about your trip. The following are useful suggestions to aid in maximizing the use of the Trip Information page:

Be certain to reset the Trip Computer before beginning a trip (see next page). If you make frequent stops, leave the StreetPilot 2610/2650 powered on and receiving satellites. This allows the unit to accurately measure elapsed time during the trip. However, some vehicles disconnect power to the cigarette lighter when the ignition is turned off.

The following trip information is displayed on the Trip Information page:

**Time of Day** – Current time.

**Compass Ribbon** – Shows your current compass heading while moving with a red indicator arrow.

**Speed** – This is the current vehicle speed, displayed in miles or kilometers an hour.

**Odometer** – A running total of distance traveled, based upon the distance between second-by-second location readings, since the Trip Computer was last reset.

**Mileage Log** – Allows you to use up to four different mileage odometers for recording trip distances. You may also rename each mileage log (see next page).

**Driving Avg** – Your average speed of travel during the time the vehicle has been in motion, since the Trip Computer was last reset.

**Overall Avg** – Your average speed of travel (including time stopped) during the time the StreetPilot 2610/2650 has been tracking your location since the Trip Computer was last reset.

**Max Speed** – The maximum speed recorded since the Trip Computer was last reset. Max Speed may also be reset individually without resetting other Trip Computer information.

**Driving Time** – The length of time that the vehicle has been in motion since the Trip Computer was last reset.

**Stopped Time** – The length of time that the vehicle has been stopped (stationary) during the time the StreetPilot has been tracking your location since the Trip Computer was last reset.

**Total Time** – The total length of time that the StreetPilot 2610/2650 has been tracking your location since the Trip Computer was last reset. This is always equal to Driving Time plus Stopped Time.

### To reset the Trip Computer or the Maximum Speed:

1. Press the unit or remote **MENU** key to display the Options window. You may also select the round buttons to the right of the main odometer or Max Speed. (Skip to step 4 if using the buttons.)
2. Select 'Reset Trip Computer'.
3. To reset the Maximum Speed only, select 'Reset Max Speed Only'.
4. Select 'Yes' or 'No'.

### To select a Mileage Log:

1. Select the 'Job 1' field.
2. Select the desired Mileage Log name.

### To rename a Mileage Log:

1. With the desired Mileage Log displayed, press the unit or remote **MENU** key to display the Options window.
2. Select 'Rename Log' .
3. Enter the new name (see pages 4-5) and select 'OK' when done.

### To reset a Mileage Log:

1. With the desired Mileage Log displayed, press the unit or remote **MENU** key to display the Options window. You may also select the round button to the right of the Mileage log. (Skip to step 3 if using the button.)
2. Select 'Reset Log'.
3. Select 'Yes' or 'No'.

## Trip Information Page

*You can reset Max Speed or the Trip Computer from the Trip Information menu.*

*Renaming a Mileage Log*

## Marking Waypoints

*A waypoint is stored in memory as soon as the 'New Waypoint' page appears.*

*There are approximately 50 waypoint symbols to choose from. These symbols are used to mark the waypoint's position on the Map page.*

### Marking Your Location as a Waypoint

It is useful to mark a location, so that you can drive to it again later. These locations are called 'Waypoints'. The StreetPilot 2610/2650 can hold up to 500 Waypoints.

**To mark your location as a Waypoint:**

1. Hold down either the remote or unit **PAGE** key for 2 seconds and release. The 'New Waypoint' page appears, with a default three-digit name for the new Waypoint in the upper-left portion of the page. The StreetPilot 2610/2650 captures the location from the instant you release **PAGE**, so you do not need to be concerned about moving around or losing satellite reception, your Waypoint is safely stored.

**To rename the Waypoint, manually change the Coordinates or Elevation:**

1. Select the Name, Coordinates, or Elevation field.
2. Enter the new waypoint name, waypoint coordinates, or elevation (pgs 4-5) and select 'OK' when done.

Each waypoint may also be assigned a custom waypoint symbol for easy recognition on the Map page.

**To change the Waypoint symbol:**

1. Select the Waypoint symbol field (immediately to the left of the waypoint name).
2. Select the most appropriate symbol and select 'OK. The new Waypoint is now stored in memory.

When stationary, you may also average a waypoint's position to increase it's accuracy. If you are moving or average the waypoint the from another location, it changes the coordinates to the updated position.

**To average a waypoint location:**

1. From the New Waypoint screen, press the unit or remote **MENU** key and select 'Average Location'.
2. The unit shows a Measurement Count and Estimated Accuracy. Select 'Update <waypoint> Location'.

At the bottom of the Waypoint Marked and Waypoint Review page there are three option buttons that may be selected:

**Delete** – deletes the waypoint.

**Show On Map** – Shows the waypoint on the Map page.

**Go To** – Tells the unit that you want to navigate to that waypoint.

## Using the Find Menu

You can use the unit or remote **FIND** key to search for Waypoints, Cities, or Exits that are included in the StreetPilot 2610/2650 basemap. In addition, if you are using City Navigator map data, you can search for Points of Interest, Addresses, or Intersections (you must have the CF data card with map data loaded inserted in the unit to use these functions). Your current location is normally used as the reference point for the 'Nearest', 'Distance', and 'Direction' features. However, if you are using the panning arrow (Map Pointer), it is used as the reference point.

### Finding Items 'By Name', 'Near Here', 'Near <map item>', or 'Near Other'

Personal Waypoints, Cities, and Points of Interest on the Find menu can be viewed in four formats, 'By Name' (a list of every item available for a category), 'Near Here' (a list of only those items for a category that are nearby), 'Near <map item>' (position of the Map Pointer or final destination if navigating a route), or 'Near Other' (a list of items near a certain point on the map or set of coordinates). The Find Nearest lists (nearest businesses, cities, waypoints and exits) update continuously. Highlighting an item with the **THUMB STICK** allows you to scroll through and select any of the nearest items listed and it also freezes the list in its current order. To remove the highlight and resume continuous searching for nearest items, press the remote **QUIT** key. You may also filter search items using letters or numbers.

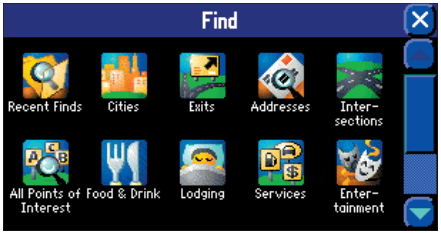
**To switch between 'By Name', 'Near Here', 'Near <map item>', or 'Near Other':**

1. Select the Find Near button (located between title and 'Filter' button.
2. Select 'By Name', 'Near Here', 'Near <map item>', or 'Near Other'.

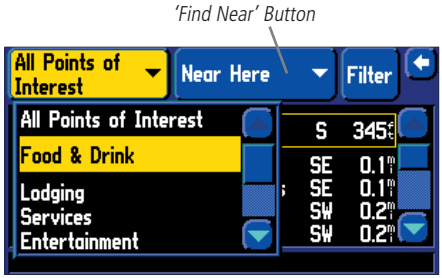
**To find an item by name:**

1. If 'By Name' has previously been chosen, select the 'Spell' button. The first character in the name field at the top of the page is selected. Begin entering the name of the item you want, using the method for entering each letter or number described on page 4. Letters entered inthe top field appear in white, while possible find result suggestions appear in grey. If you see the remaining letters in grey you wish to use, select the '>' arrow until the name is spelled out in white or the search results are less than 5.
2. The number of matches appears in the corner as you enter letters and numbers and turns green when there are 5 or less matches found. Select 'OK' to see the results list.
3. Select the item you want from the list to display the information page for the item.

## Using the Find Menu




*The Find menu uses the built-in basemap and optional City Navigator CD Map Data.*




*You can find items by name or search for nearby items by category.*

## Using the Find Menu

*Nearest cities are listed in order according to their respective mileage from your present position.*

*You can search for cities using the built-in basemap data or using data loaded from MapSource CDs (such as City Navigator Europe).*

**To find a 'Near Here' or 'Near <map item>' item:**

1. Select the item you want from the either list to display the information page for the item.

**To find an item 'Near Other' nearest item:**

1. Select 'Near Other' from the Find Near button. Pan and zoom the map pointer on the map to find the desired location then press IN on the **THUMB STICK** or **TOUCH** the checkmark in the upper right. A 'Near Map Pointer' list appears. To manually enter coordinates, press the unit or remote **MENU** key and select 'Enter As Text'. Select the coordinates, enter the desired data and select 'OK' when done.
2. Select the item you want from list to display the information page for the item.

**To filter items with letters or numbers:**

1. From the find screen, select 'Filter'.
2. Enter in the letters or numbers (pages 4-5) of the item you wish to search for and select 'OK'. For example, entering 'KAN' searchs for anything with those letters anywhere in the name.
3. Select the item you want from list to display the information page for the item.

### Finding a Waypoint

Waypoints that you have created and stored in the StreetPilot 2610/2650 can be found by selecting the 'Waypoints' option of the Find menu. You can find a waypoint from a list of waypoints using the Finding items procedure explained on the previous page.

The Waypoint Information page displays the waypoint name, a map symbol, the location in lat/lon, elevation and three on-screen buttons (Delete, Show On Map, or Go To the Waypoint).

### Finding a City

Cities can be found by selecting the 'Cities' option of the Find menu. The City Information page for the selected city displays the city name, the size by population (the larger the icon, the higher the population) and the distance from your location. You can save it as a waypoint ('Flag' icon), view it on the map ('Show On Map') or 'Go To' it from your current location. Cities can be found in the built-in "basemap" or in data downloaded from a MapSource CD.

**To find a city in MapSource data or built-in basemap data:**

1. Follow the steps on pages 21-22 to find an item.
2. While viewing a list of cities, press the remote or unit **MENU** key to view an options window. Select 'Select Map'.
3. The 'Select Map' window appears. Select the desired map.

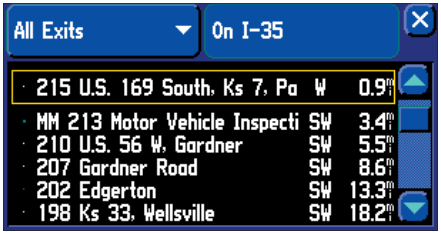
## Finding an Exit

You can use the Find Exit option to locate a nearby exit on an interstate highway. Exits are listed only by 'Nearest'. You can also search for exits on interstates other than the nearest one by choosing 'Change Highway' from the options menu.

**To find an Exit:**

1. Press the unit or remote **FIND** key to display the Find menu.
2. Select 'Exits'. A list of the nearest exits ahead of you is displayed. The interstate that the exits are on is displayed in the upper right. Direction and distance is shown on the right side of the list from your location to the selected exit.
3. To change the highway, press the remote or unit **MENU** key, then select 'Change Highway'. Enter the name of the highway (see pages 4-5) and select OK. Select the desired highway.
4. Select the on screen button in the upper left if you wish to search for 'All Exits', 'Exits With Services', Rest Areas', or 'Other Exits'.
5. Use the **THUMB STICK** or **TOUCH** to scroll through the list and select the desired exit.
6. Once you select an exit, the Exit page for that exit is displayed. This page contains the exit description at the top of the page and a list of services near that exit at the bottom. You can save it as a waypoint ('Flag' icon), show the exit on the map ('Show on Map'), or navigate to the exit ('Go To').
7. Selecting an item from the list shows the type of services, its direction from the exit and a list of services available, each marked by a check.
8. Press the remote **QUIT** key or **TOUCH** the 'X' to move back a screen.

## Using the Find Menu



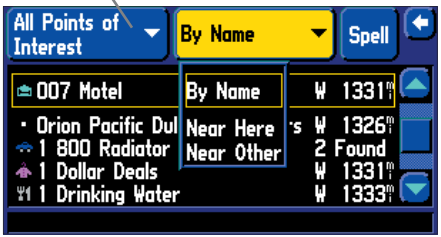

*Once you locate the item of your choice, select it to display an information page for that item.*

*To view all of the exit information on the list, use the UP/DOWN portion of the **THUMB STICK** or **TOUCH** the scroll bar UP/DOWN arrows.*

## Using the Find Menu

*Scroll through the Points of Interest list to see all of the points of interest that are available, including 'Emergency & Government'.*

*Type Button*




*POI Search Options*

### Finding a Point of Interest

You must have a data card in the StreetPilot 2610/2650 with MapSource City Navigator or other MapSource POI (Points of Interest) map data to search for points of interest, otherwise this option is unavailable. POI icons include All Points of Interest, Addresses, Intersections, Food & Drink, Lodging, Services, Entertainment, Attractions, Shopping, Transportation, and Emergency & Government. For finding Addresses or Intersections, see the following page.

**To locate a point of interest:**

1. Press the **FIND** key to display the Find menu. Select 'All Points of Interest' or any of the individual POI icons.
2. Select the type category of your choice from the upper left button to display the list of types.
3. Select a sub-category type to display a list of the points of interest first for that type.
4. If desired, follow instructions on pages 21-22 to find a point of interest by name or nearest or to filter by letters or numbers.
5. Select the desired point of interest on the list and select it to display the information page. The information page includes the full name, type, address, and phone number. You can choose to save the selection as a waypoint ('Flag' icon), show it on the map ('Show On Map'), or 'Go To'. Make your selection or press **QUIT** or **TOUCH** the 'X' to search for another item.

When searching for points of interest using the 'By Name' list, multiple items with the same name appear only once on the list (for example "McDonald's"). When you select it, a list of 'Nearest' for that name appears.

## Finding an Address or an Intersection

You must be using MapSource City Navigator (included) or other optional MapSource data which provides this type of map information, otherwise these options are not selectable.

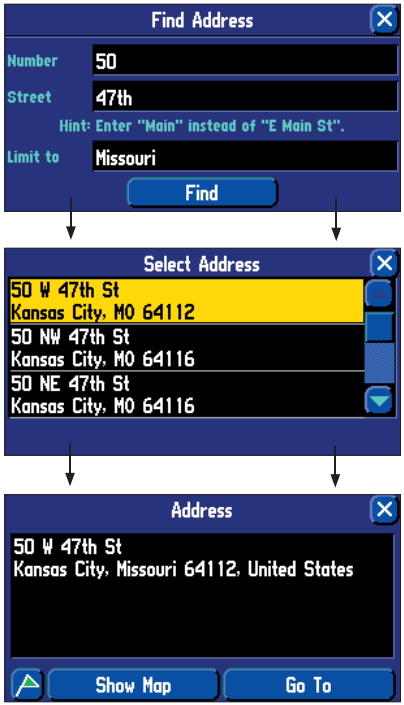
### To locate an address:

1. Press the unit or remote **FIND** key to display the Find Feature menu. Select the 'Addresses' option to display the 'Find Address' page.
2. Select the 'Number' field and use the method for entering numbers as explained on pages 4-5.
3. Select the 'Street' field and use the method for entering numbers as explained on pages 4-5. Find the street you want following the instructions for finding an item by name on pages 21-22. Tip: Enter "Main" instead of "E Main St" to display a list of "Main" streets.
5. Select the desired street selected to place the street name on the find page.
6. To limit the search to a particular City, State/Province or Postal Code, select the 'Limit to' field, then select either '<No Limit>', 'Enter a City', 'Enter a State/Province' or 'Enter a Postal Code'. Enter the data as explained on pages 4-5 and select 'OK'. Note: If you enter this data before 'Number' and 'Street', it narrows the search and speeds up data entry by only showing data from that particular area.
7. You may also refine the Street search by pressing **MENU** from the Find Address window and selecting 'Refine Street'. Choose the appropriate street prefix and/or suffix and select 'OK'.
8. Select the 'Find' key to view the 'Select Address' page with a list of possible address matches. A window at the bottom of the list displays the quality of each address match.
9. Select an address to display the 'Address' page, from which you can save the address as a waypoint ('Flag' icon), view the address on the map ('Show On Map'), or 'Go To'.
10. If there are multiple matches, use the optional city and postal code fields to place the best matches near the top of the list.

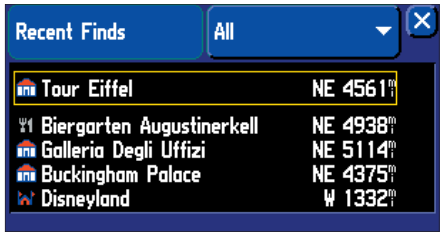
### To locate an intersection:

1. The 'Find Intersection' feature operates like the 'Find Address' feature, with the exception that you enter first and second street names instead of an address number and a street name.

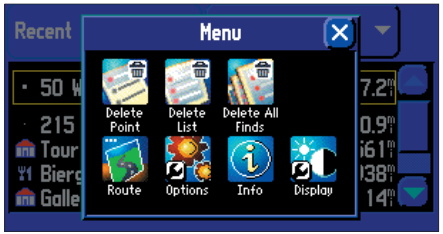
## Using the Find Menu



## Using the Find Menu




*The most recently reviewed item is at the top of the recently found list and they are listed in reverse chronological order.*




*The 'Routes' menu*

### Recently Found Places

Each recent list holds up to 30 items. The last 30 businesses are listed in the POI list, the last 15 cities are in the cities list, etc. The most recently reviewed item is at the top of each list and the list is in reverse-chronological order. You can use the 'Recent Finds' option to locate points of interest, addresses and intersections, cities, and other locations. The 'Recently Found Places' page is denoted by a file tab at the top that identifies the function of that page.

#### To locate a Recently Find:

1. Press the **FIND** key to display the Find Feature menu. Select 'Recent Finds' to display a list of places (you can also display the 'Recent Finds' page by pressing on and holding down the unit or remote **FIND** key). Select the file tab category to the right to display the list of types and select of your choice .
2. Select the desired item on the list to display the information page. The information page includes the full name, type, address, and phone number (only for points of interest). You can choose to save the selection as a waypoint ('Flag' icon), show it on the map ('Show On Map'), or route to it ('Go To').

#### To clear points from the Recent Finds list

1. To clear a point from a list, highlight the point or to clear an entire list, select the list category type. From the Recent Finds list press the unit or remote **MENU** key.
2. Select from 'Delete Point', 'Delete List', or 'Delete All Finds'. Note that this only clears the list and does not delete the actual point.

## Using the Routes Menu

The Routes menu gives you nine options to manage the StreetPilot 2610/2650 Routes feature. To access the Routes menu, press and hold the unit or remote **MENU (ROUTE)** key for two seconds or press **MENU**, then select **ROUTE**. The nine options are as follows:

**Recalculate** – Recalculates the active route for faster time or shorter distance.

**Stop or Resume Route** – Stops the route being navigated (or simulated) or resumes a stopped route.

**Via Point** – Adds or removes an intermediate point to be reached on the way to the final destination.

**Detour** – Calculates a new route to destination avoiding part of the current route.

**Return to Start** – Reverses the route and returns you to the point from which you initiated the route.

**Routing Setup** – Allows you to control routing preference settings.

**New** – Starts an entirely new route.

**Route List** – Selects a Route to start from a list of saved routes.

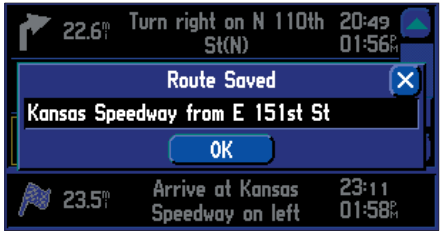
**Save** – Saves the active route.

### To start a new Route:

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'New'. The Find Destination window appears.
2. Follow the instructions given on pages 21-22 to select a Find Destination item. Once the Information page is displayed for the item you found, select 'Go To'.
3. The Route Preference window appears (unless disabled by the 'Ask Me My Preference' setting under the System Setup Routing tab).
4. From the Route Preference window, select 'Faster Time', 'Shorter Distance', or 'Off Road' (or 'Don't Ask Again'). See pages 33-34 for a description of these options.
5. The Thumbnail Route Map appears in the lower left-hand corner of the Map page as the unit calculates the route. A voice prompt sounds and the magenta route line appears. The unit is now ready to navigate the new route.

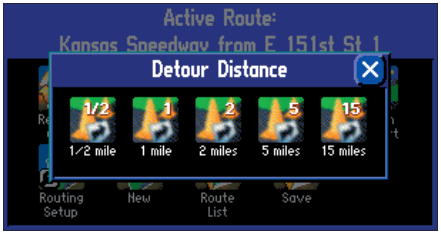
## Using the Routes Menu

*You can change the routing preferences directly from the Routes menu. Once the new preferences are set, you can recalculate the route with the 'Recalculate' option.*




*To save a route, select 'Save' from the Routes menu and select the 'OK' button on the Route Saved window.*

## Using the Routes Menu




*The StreetPilot 2610/2650 lets you select a specific detour distance and calculates a new route based on this information.*

*Via points are intermediary points that can be added to your route using the 'Add Via Point' option under the 'Via Point' feature of the Routes menu.*

**To save a Route:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Save'. The Route Saved window appears, showing the active route that is automatically named with the start and end points (the route name can be edited here by selecting it to change the name).
2. Select 'OK' to confirm the name and save the route. The unit can hold up to 50 saved routes.

**To select a Route to follow from a list of Saved Routes:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'List'. The Route List window appears.
2. Select a saved route from the list. The unit is now ready to navigate the route.

**To recalculate a Route:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Recalculate'.
2. The Route Preference Window appears (unless disabled). From the Route Preference window select 'Faster Time', 'Shorter Distance', or 'Off Road' (or 'Don't Ask Again'). See pages 33-34 for a description of these options.
3. Press **ENTER**. The Thumbnail Route Map appears in the lower left-hand corner of the Map page. The unit is now ready to navigate the route.

**To stop a Route:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu.
2. Select 'Stop'. The current route becomes inactive.

**To resume a Route:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu.
2. Select 'Resume'. The current route becomes active again.

**To add a Detour:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Detour'. The Detour Distance window appears.
2. Select the appropriate detour distance (1/2, 1, 2, 5, or 15 miles, or 1, 2, 5, 10, 30 kilometers). The unit avoids the original route from your current location for the specified detour distance. The Route Preference window appears (unless disabled by the 'Ask Me My Preference' setting under the System Setup Routing tab).
3. From the Route Preference window, select 'Faster Time', 'Shorter Distance', or 'Off Road' (or 'Don't Ask Again'). See pages 33-34 for a description of these options.
5. The unit is now ready to navigate the newly altered route. Note that the StreetPilot 2610/2650 remembers the detour each time the route is recalculated (whether manually or automatically); the list of roads to be avoided are only cleared from memory once you stop navigation or turn off the unit.

**To add a Via Point:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Via Point', then select 'Add Via Point' (note that if the active route does not contain any via points, the 'Add Via Point' option is the only allowable option). A window appears with two selectable options ('Use Map' and 'Find').
2. To choose a via point using the map, select 'Use Map', point to a location on the map. The route is recalculated to include the newly entered via point.
3. To choose an already stored location or POI to become a via point, select 'Find' and follow the directions on page 21-22 to select a location, then select 'Add As Via'. The route is automatically recalculated to include the newly added via point.

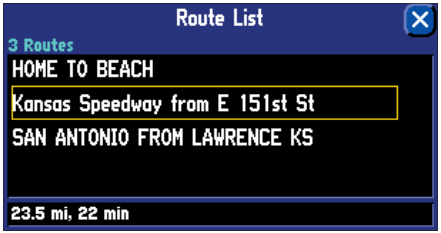
***NOTE**: A via point is always placed after all of the via points already entered. Thus, the newly entered via point becomes the last point on the route before destination.*

## Using the Routes Menu

*You can add a via point using either the map ('Use Map') or the 'Find' option in order to add an intermediary location to your route.*

*You can also remove the last via point entered, using the 'Remove Via Point' option under the 'Via Point' feature of the Routes menu.*

## Using the Routes Menu




*The StreetPilot 2610/2650 allows you to delete either a specific route or all of the routes saved under the 'List' option of the Routes menu. Routes can also be renamed.*

*Route Rename and Delete Options*

**To remove a Via Point:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Via Point' then select 'Remove Via Point' (note that if the active route does not contain any via points, the 'Remove Via Point' option is automatically disabled).
2. A window appears, asking you to confirm your intention to remove the via point from the current route. Selecting 'Yes' automatically removes the last via point entered and allow the route to be recalculated to reflect the change.

### Deleting and Renaming Routes

You can delete a single route or all of the routes that exist in the StreetPilot 2610/2650. You can also rename a route.

**To delete a single Route:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Route List'. The Route List appears with all routes. Highlight the single route to delete and press the **MENU** key. Select 'Delete'. Select 'Yes' in the verification window.

**To delete all Routes:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Route List'. A list of all routes appears. Press the **MENU** key. Select 'Delete All'. Select 'Yes' in the confirmation window.

**To rename a Route:**

1. Press and hold the unit or remote **MENU (ROUTE)** key for two seconds to view the Routes menu. Select 'Route List'. A list of all routes appears. Select the single route to be renamed and press the **MENU** key. Select 'Rename'. Enter the new route name using the instructions on page 4-5.

## Main Menu

Pressing the unit or remote **MENU** key accesses the Main menu options (Route, Options, Info, and Display) which appear from any page. Pressing **MENU** twice displays the Info menu items (GPS Info, Map Info, and System Info). From the Main Menu window, you may select the following:

**Route -** Displays Route menu options (see page 27).

**Options -** Display various system setup options.

**Info -** Displays the GPS Info, Map Info, and System Info options (see page 42).

**Display -** Shows options to adjust brightness, contrast, auto brightness, and screen calibration (see page 3).

## Options - System Setup Pages

This group of pages is used to perform various System Setup functions. Each selectable page is denoted by a 'file tab' at the top that identifies the function of that page.

### To select a System Setup option:

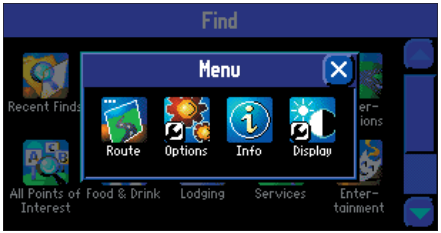
1. With the System Setup on the screen, select the file tab for the desired function. The associated information and options are automatically displayed when the file tab is selected.
2. Once the desired file tab has been selected, select the desired option to view or modify.
3. Select an item to change to a different option. In most cases, a list of available options is shown.
4. Select the desired choice and accept the change.
5. Highlight the file tab area and select another file tab, if desired.

At some point in time, you may desire to restore the default settings for each tab on the Options menu of the StreetPilot 2610/2650 . This can be done by selecting the option called 'Reset Settings'.

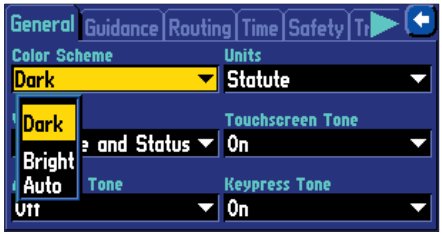
### To restore the original settings:

1. With the desired tab highlighted, press the unit or remote **MENU** key and choose 'Reset Settings'.
2. If desired, repeat steps 1 for other file tabs.

## Main Menu

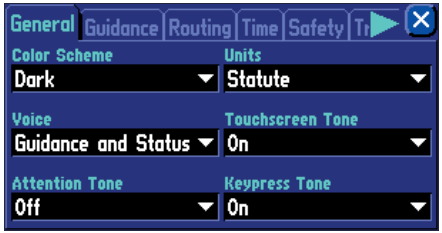



*Main Menu Icons.*




*Selecting a System Setup Option*

## System Setup




*The System Setup pages allow you to customize the features of the StreetPilot 2610/2650.*

*You can completely reset the System Setup features on each file tab to their original settings.*

The file tab headings and System Setup functions are:

**General** – Color Scheme, Units, Voice, Touchscreen Tone, Attention Tone, and Keypress Tone.

**Guidance** – Off-Route Recalculation and Next Turn Pop-Up.

**Routing** – Route Preference, Ask Me My Preference, Calculation Method, Calculate Routes for, and Avoid (U-Turns, Toll Roads, Highways, and Unpaved Roads).

**Time** – Time Format, Time Zone, Daylight Savings, Time, Date, Sunrise, and Sunset.

**Safety** – Switches 'Safe Mode' On and Off.

**Track Log** – Recording, Percentage Full and Clear Track.

**Language** – Selects desired operating language for on-screen text and voice prompts.

**Interface (2650 Only)** – Odometer Wave Type, Reverse Light Polarity, USB Format, and Serial Format.

The following describes, in more detail, the available settings for each System Setup file tab item.

### 'General' Tab

**Color Scheme** – Allows you to choose between three operating modes:

- Dark: Displays a black background with white letters.
- Bright: Displays a white background with black letters.
- Auto: Automatically adjust switches to 'Dark' at sunset and 'Bright' at sunrise.

**Units** – Allows you to select the desired units of measure for distance in miles ('Statute') or kilometers ('Metric'). If you select 'Statute', the speed is shown in miles per hour and the elevation is shown in feet. 'Metric' shows speed in kilometers per hour and elevation in meters.

**Voice** – This setting determines when the voice (and chime, if enabled) sounds. The StreetPilot 2610/2650 "speaks" status messages (if enabled), such as "external power lost", and route navigation messages, such as "drive point eight miles west and turn right". If enabled, a single chime precedes all automatic voice navigation messages (see 'Attention Tone'). There are three possible voice messages per route leg. The first

message comes right after you have completed a turn and are starting a new leg: the voice message is preceded by a lower pitched tone. The second message comes toward the end of the leg depending on how fast you are progressing: this message is also preceded by a lower pitched tone. The last message on the route leg comes right before a turn and is preceded by a higher pitched tone.

- Guidance and Status: the unit speaks guidance messages during route navigation, as well as status messages such as "battery power low" and "lost satellite reception."
- Route Guidance: the unit speaks guidance messages during route navigation.
- SPEAK Key Only: the unit only speaks when the **SPEAK** key is pressed (it will not talk otherwise).

**Touchscreen Tone** – Allows you to turn the touchscreen click sounds On or Off.

**Attention Tone** – Determines whether the voice prompts are preceded by a chime.

**Keypress Tone** – Allows you to turn the keypress beeper sounds On or Off. A beep confirms that a key on the unit or remote has been pressed.

**'Guidance' Tab**

**Off-Route Recalculation** – Controls how the StreetPilot 2610/2650 recalculates the route when you depart from the route ('Prompted', 'Automatic - Announced', 'Automatic - Silent', and 'Off').

**Next Turn Pop-Up** – Controls when the Next Turn page is displayed ('Off', 'SPEAK Key Only', 'Automatic Only', 'Both').

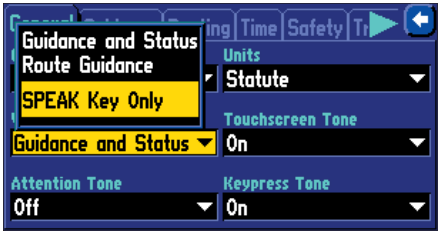
**'Routing' Tab**

The Routing Tab allows you to customize the routing features of the StreetPilot 2610/2650.

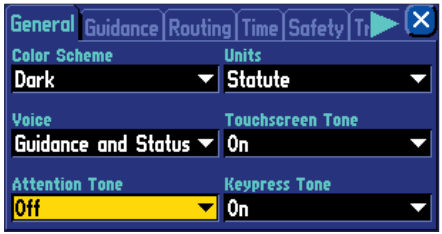
**Route Preference** – Determines which criteria are used for finding the route to your destination. The following options are available:

- Faster Time: this setting causes time to be used as the criteria for calculating your route. The routes calculated with this setting is faster to drive but may be longer in distance.

## System Setup

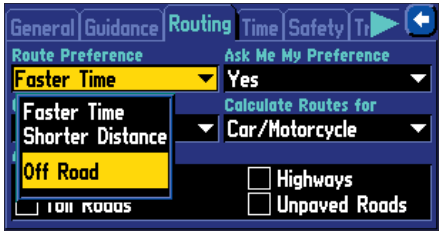



*By selecting "SPEAK Key Only" on the 'General' tab under the 'Voice' function, the unit only talks when the SPEAK key is pressed.*

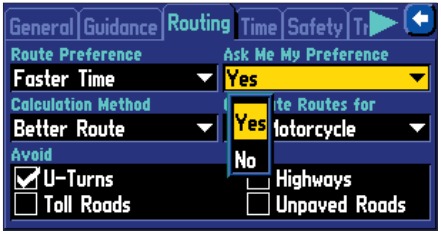



*The 'Attention Tone' field determines whether voice prompts are preceded by a chime.*

## System Setup




*The 'Off Road' option is useful if you stop somewhere on your trip where there are no roads (scenic area, etc.) and you still want to navigate (via a straight line) using the StreetPilot 2610/2650.*




*The 'Ask Me My Preference' setting can also be changed from the Routing File tab.*

- Shorter Distance: this setting causes distance to be used as the criteria for calculating your route. The routes calculated with this setting is shorter in distance but may take more time to drive.
- Off Road: this setting causes your route to be a direct line from you to your destination. This may be useful outside of detailed map coverage areas.

**Ask Me My Preference** – Determines whether you are prompted to change your current Route Preference ('Faster Time', 'Shorter Distance', or 'Off Road') before route calculations. This setting can also be changed from Yes to No from the Route Preference page. The following options are available:

- Yes: this setting results in the Route Preference page being displayed before route calculations. This setting is recommended if you frequently have a different preference for your routes.
- No: this setting skips the Route Preference page before route calculations. The StreetPilot 2610/2650 uses your current Route Preference for all route calculations. This setting is recommended if you usually have the same preference for your routes.

**Calculation Method** – Allows you to control how thoroughly the StreetPilot 2610/2650 searches for the perfect route. There is a trade-off here between the length of time it takes to find a route and the quality of that route (i.e., given the calculation criterion selected under 'Route Preference' settings). The following options are available:

- Quickest Calculation: this gives you the fastest results, but the least optimal route.
- Quick Calculation: takes a bit more time to calculate than the 'Quickest Calculation' method, but produces a better quality route.
- Better Route: even better quality route, but longer calculation time than the 'Quick Calculation' method.
- Best Route: this gives the most optimal route, but takes the longest time to calculate.

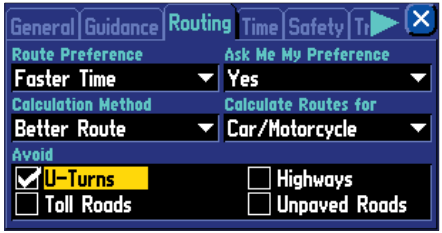
**Calculate Routes for** – Lets you take full advantage of the routing information built into the City Navigator maps. Some roads have vehicle-based restrictions. For example, a street or gate may be accessible by emergency vehicles only, or a residential street may not allow commercial trucking traffic. By specifying which vehicle type you are driving, you can avoid being routed through an area that is prohibited for your type of vehicle. Likewise, the StreetPilot 2610/2650 may give you access to roads or turns that wouldn't be available to normal traffic. The following options are available:

- Car/Motorcycle
- Truck (large semi-tractor/trailer/lorry)
- Bus
- Emergency (ambulance, fire department, police, etc.)
- Taxi
- Delivery (delivery vehicles)
- Bicycle (avoids routing through interstates and major highways)
- Pedestrian

**Avoid** – Lets you avoid certain things that may be undesirable on your route.

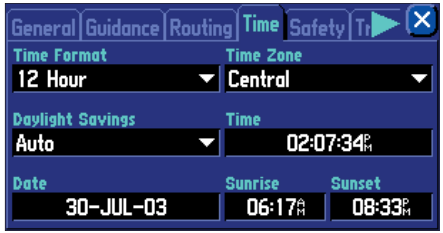
- U-Turns: if checked, the StreetPilot 2610/2650 does not direct you to make a U-turn unless absolutely necessary.
- Toll Roads: if checked, the StreetPilot 2610/2650 avoids entering toll roads, but still does so if the other alternatives take you too far out of your way.
- Highways: if checked, the StreetPilot 2610/2650 avoids routing you through interstates and major highways, but still does so if the other alternatives take you too far out of your way.
- Unpaved Roads: if checked, the StreetPilot 2610/2650 avoids unpaved surfaces, but still does so if the other alternatives take you too far out of your way.

*Using the 'Calculate Routes for' option allows you to take full advantage of the routing information contained in the City Navigator maps for planning the most efficient route for your type of vehicle.*

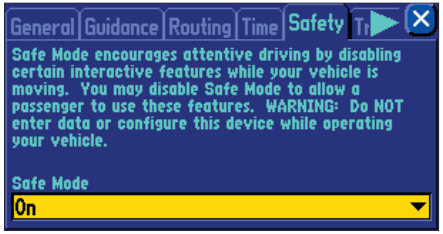



*You may also choose to avoid U-Turns.*

## System Setup




*Remember that current date and time are determined by the satellites and cannot be changed.*




*The 'Safe Mode' can be turned off to allow a passenger to operate the unit.*

### 'Time' Tab

**Time Format** – Allows you to choose from a 12 or 24 hour time format. When you select the 12 hour time format, the clock reads like a standard clock with 12 hour AM and PM cycles. The 24 hour option sets the clock to display a 24 hour cycle (military time).

**Time Zone** – Can be set to either one of the U.S. time zones, or to any other time zone (by selecting 'Other' and entering a specific UTC time offset). Refer to the instructions for setting UTC Time Offset on page 49.

**Daylight Savings** – Can be turned On, Off, or set to Automatic.

**Time**, **Date**, **Sunrise** and **Sunset** – Determined by the satellite information being received; cannot be changed.

### 'Safety' Tab

The StreetPilot 2610/2650 is equipped with a 'Safe Mode' feature to improve driver safety. By default, this feature is enabled, but can be turned off to allow a passenger to operate the unit. When your vehicle is moving, 'Safe Mode' disables the StreetPilot 2610/2650 functions which require significant operator attention and may become a distraction while driving.

Disabled functions include:

- Map Panning
- All **FIND** key functions (except Recent List)
- All **MENU** key functions
- Creating new routes

When you come to a complete stop, these features are automatically re-enabled.

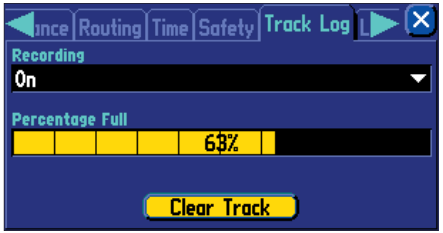
**'Track Log' Tab**

The StreetPilot 2610/2650 automatically records a history of your locations in the 'Track Log', creating an electronic 'bread crumb' trail of the path you have traveled. Once the log is full, new track points replace the oldest track points. The beginning of the track contains the earliest point while the end contains the most recent ones. The display of the track log on the map can be turned on and off in Map Setup (the default is Off).

**Recording** – Select On or Off; On to record tracks, Off to stop tracks from being recorded.

**Percentage Full** – Shows the percentage of track memory used.

**Clear Track** – Clears all of the points of the track log from memory. To clear the track, select 'Clear Track' and then select 'Yes'.




*Press the 'Clear Track' button on the Track Log page to clear all of the stored track points.*

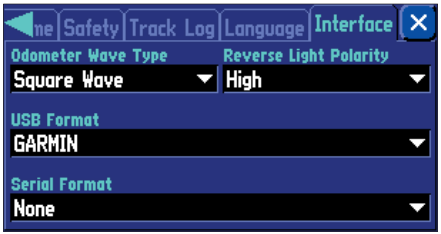
**'Language' Tab**

The StreetPilot 2610/2650 Language Setup feature allows you to change the languages used for on-screen text and for voice prompting.

**Text Language** – This changes all on-screen text on all pages and menus to the selected language. The StreetPilot 2610/2650 offers text language in the following 14 languages: English, German, French, Italian, Spanish, Swedish, Danish, Portuguese, Dutch, Norwegian, Finnish, Polish, Czech and Hungarian. Changing the Text Language setting does not affect the display of map data or user-entered data. Map data such as city, street, and point of interest names is always displayed in the language in which they are stored in the map. See pages 50-51 for information on using diacritical marks commonly used in many European languages.

**Voice Language** – This changes the language used for all voice commands and messages. 'Text Language' changes the on-screen text to the selected language. 'Voice Language' changes the language for all voice prompts and messages to the selected language.

*You may change the language for on-screen text and voice prompts separately.*




*The StreetPilot 2650 DR and Interface Settings page.*

**'Interface' Tab**

The Interface tab only appears on the StreetPilot 2650 with Dead Reckoning (DR) sensors. The StreetPilot 2650 must be installed by an qualified Garmin dealer (see page 48). It is recommended that you record these settings down in case the unit needs service or the tab is reset to defaults. The 'Interface' file tab provides the following input/output format settings:

**Odometer (Vehicle Speed Sensor) Wave Type –** The type (Sine or Square Wave) needs to be determined either by contacting the vehicle manufacturer or by using an oscilloscope. 'Square Wave' is the most common type. **Do not connect the DR Cable into the vehicle speed sensor signal from the ABS control.**

**Reverse Light Polarity** – Used to determine if there is a high or Low (No) volatage signal when the vehicle's reverse light is activated. Contact the vehicle manufacturer for polarity or check with a voltmeter. Set to 'High' (most common) if a positive, high voltage is detected. Set to 'Low' if no or a low voltage is detected.

**USB Format** – This option allows you to turn the USB On ('Garmin') or Off ('None'). If 'Serial Format is set to 'Garmin', then 'USB Format' is automatically set to 'None'. Set this to 'Garmin' when connecting your StreetPilot 2650 to a USB port to use with MapSource.

**Serial Format** – This option allows you to choose from one of the available settings below. If 'USB Format is set to 'Garmin', then 'Serial Format is automatically set to 'None'.

- Garmin: the proprietary format used to exchange waypoint, route, track log data with a PC via serial connection. The format used for database updates and to save optional MapSource CD-ROM data to an installed data cartridge (also optional).
- NMEA: supports the input/output of standard NMEA 0183 version 3.01 data.
- Text Out: supports a standardized, fixed-column ASCII output with data for position, track, speed, etc.
- None: provides no interfacing capabilities.

See page 48 for information on wiring the DR cable.

## Info Pages

Pressing **MENU** twice displays the Info menu items (GPS Info, Map Info, and System Info). From the Main Menu window, you may select the following:

**GPS Info page -** Visual reference of GPS receiver functions

**Map Info page -** Displays version and map name(s) for any MapSource CD-ROM data stored on an installed CF data card.

**System Info page -** Displays the unit software version and unit ID number.

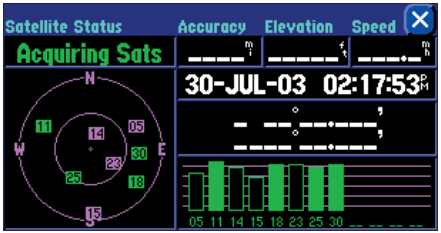
## GPS Information Page

The GPS Information page provides a visual reference of GPS receiver functions, including current satellite coverage, receiver status, and position accuracy. As the StreetPilot 2610/2650 locks onto satellites, a signal strength bar appears for each satellite in view, with the appropriate satellite number (from 01-32) underneath each bar. The progress of satellite acquisition is shown in three stages:

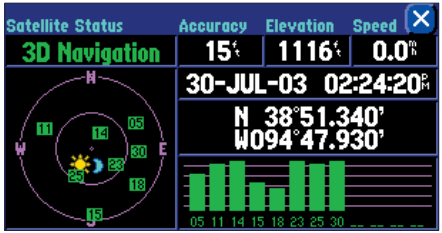
- No signal strength bar: the receiver is looking for the satellite(s) indicated. The corresponding number(s) on the sky view is not highlighted.
- Hollow signal strength bar: the receiver has found the satellite and is collecting data.
- Solid green signal strength bar: the receiver has collected the necessary data and the satellite(s) is ready for use. The corresponding number(s) on the sky view is highlighted.

Each satellite has a 30-second data transmission that must be collected (hollow signal strength bar, as described above) before that satellite may be used for navigation (solid green signal strength bar). Once a fix has been calculated, the StreetPilot 2610/2650 then updates your position, ground track, and ground speed by selecting and using the best satellites in view.

## Info Pages/GPS Info Page

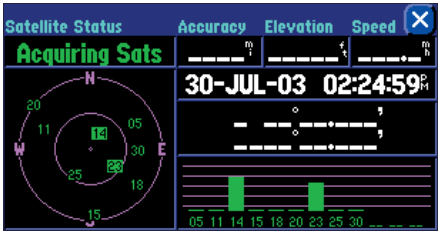



*A hollow bar indicates the receiver has found the satellite and is collecting data.*

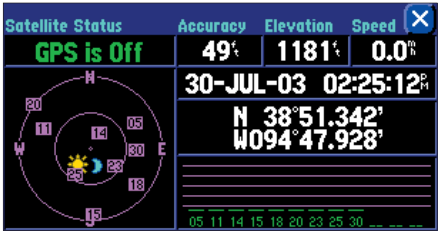



*Solid green bars indicate the receiver has collected the necessary information and the satellite is ready for use.*

## GPS Info Page




*'Acquiring Sats' means the receiver is collecting data from available satellites but has not collected enough data to calculate a position fix.*




*'GPS is Off' tells you the unit is being used indoors and cannot be used for navigation.*

### Sky View and Signal Strength Bars

The sky view and signal strength bars give you an indication of which satellites are currently visible, which satellites are being used to calculate a position fix, and the signal quality. The sky view shows a "bird's eye" view of each satellite position relative to the unit's last known position. The outer circle represents the horizon in all directions (with cardinal heading references). The inner circle represents an elevation of 45° above the horizon. Any satellite depicted near the center is directly overhead. You can use the sky view to help determine whether any satellites are being blocked and whether you have a current position fix (indicated by '2D Navigation' or '3D Navigation' in the status field). You can also set the sky view to a 'Track Up' instead of 'North Up' configuration (under the 'Orientation' field of the 'Map' tab page under 'Map Setup'), causing the top of the sky view to align to your current track heading. (See page 42)

### Receiver Status

As soon as the StreetPilot 2610/2650 has collected the necessary data to calculate a fix, the status field indicates a 2D or 3D status (for '2D', you may need to enter your elevation). Receiver status is indicated at the top left corner of the page. The status is shown as one of the following conditions:

**Searching Sky** – The StreetPilot 2610/2650 is looking for any available satellites in view.

**AutoLocate** – The StreetPilot 2610/2650 is initializing and collecting new almanac data. This process can take up to five minutes, depending on the satellites currently in view.

**Acquiring Sats** – The receiver is collecting data from available satellites, but has not collected enough data to calculate a position fix.

**2D Navigation** – At least three satellites with good geometry have been locked onto and a two-dimensional position fix (latitude and longitude) is being calculated.

**3D Navigation** – At least four satellites with good geometry have been locked onto and your position is now being calculated in latitude, longitude and elevation.

**Poor GPS Coverage** – The receiver isn't tracking enough satellites for a 2D or 3D fix due to bad satellite geometry or due to a shaded antenna (driving between buildings, etc.)

**Not Usable –** The receiver is unusable, possibly due to incorrect initialization or abnormal satellite conditions. Turn the unit off and back on to reset and re-initialize the receiver if necessary.

**GPS is Off –** The unit is being used indoors and cannot be used for navigation. When the unit is being used indoors, battery life is saved since the GPS receiver is turned off.

**Dead Reckoning (2650 only) –** The unit isn't tracking enough satellites for a 2D or 3D fix due to bad satellite geometry or due to a shaded antenna (driving between buildings, etc.) and is using Dead Reckoning.

**'Poor Satellite Reception' Menu**

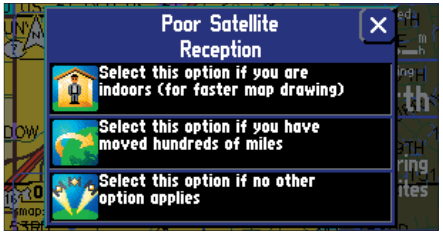
If no satellites are received for several minutes (or an insufficient number of satellites are received to determine a position fix), a message appears, prompting you to either turn off the GPS for using the unit indoors for practice, update your approximate location (quicker) or have the unit automatically search for the satellites (takes longer). Updating your approximate location ensures that the StreetPilot 2610/2650 is searching for the correct satellites and is useful if you have traveled over 500 miles with the unit turned off. If the unit has been stored for a few months and the displayed date is incorrect, the StreetPilot 2610/2650 does not know the current positions of the GPS satellites.

The 'Poor Satellite Reception' prompt may appear when you first use your StreetPilot 2610/2650. The prompt may also appear during normal use if the antenna is shaded or when the unit is used indoors.

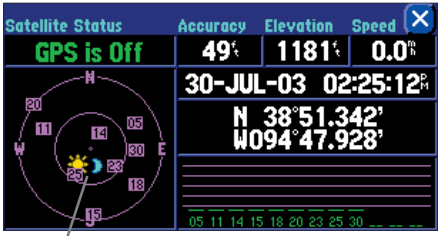
**Accuracy**

The GPS Information page indicates the accuracy of the position fix. See Appendix I (pages 56-57) for the StreetPilot 2610/2650 performance specifications which include accuracy.

## GPS Info Page




*The 'Poor Satellite Reception' menu gives you several options when an insufficient number of satellites is received to determine a position fix.*




*The sun and moon icons on the satellite skyview are for reference (notice that the icons are grayed if the sun/moon is below the horizon). You can see the sunrise and sunset times for your current location and date on the Time Setup page under System Setup.*

## GPS Info Page

*Selecting 'North Up' displays the sky view with North at the top.*

### GPS Information Page Options

To display the GPS Information page options, press **MENU** (with the GPS Information page displayed). The following options are available: Track Up/North Up, New Elevation, and New Location.

**Track Up/North Up** – Changes the sky view display from 'North Up' orientation to align to current direction of travel (ground track). If 'Track Up' is selected, 'North Up' appears as an option instead. You may also **TOUCH** the sky view to toggle between Track Up and North Up.

**New Location** – Forces the StreetPilot 2610/2650 to search for any available satellite to determine its position. This option is useful if you've relocated a long distance (greater than 500 miles) away from the last location where the StreetPilot 2610/2650 was used. In such instances, without initialization, the StreetPilot 2610/2650 may be looking for the wrong group of satellites.

**To select a new location:**

1. Select 'New Location'. A window appears with two options ('Automatic' and 'Use Map').
2. Select either 'Automatic' or 'Use Map'.
3. Selecting 'Automatic' puts the unit in Autolocate mode and begins searching the sky for satellites. 'For 'Use Map', a New Location map page appears. Pan and zoom the map pointer on the map to find your approximate location then press IN on the **THUMB STICK** or **TOUCH** the checkmark in the upper right.

**New Elevation** – Allows you to designate your approximate elevation when the StreetPilot 2610/2650 is acquiring satellites or navigating within a two-dimensional position. By default, 2D navigation attempts to use the last known elevation. If the elevation shown is off by several hundred feet (or more), manually entering your approximate elevation enables the receiver to more accurately determine a position fix. Once the unit has a 3D position, it is not possible to enter an elevation.

**To enter an elevation:**

1. Select 'New Elevation'.
2. Enter your approximate elevation using the steps on page 4 and select 'OK".

## Map Info Page

The Map Info page displays version and map name(s) for any MapSource CD-ROM data stored on an installed CF data card. A box appears to the immediate left of each map name (directly under 'Enabled'). When the box is checked, the designated map data appears on the map — at the appropriate map scales and when within the boundaries of that map area.

**To turn individual MapSource maps on or off:**

1. MapSource data must first be uploaded to a CF data card and installed in your StreetPilot 2610/2650.
2. Select the 'MapSource Info' option from the Info menu, then scroll through the list of available maps.
3. If a check mark appears in the box to the left of a map name, that map is turned on and appears on the map display (maps that are disabled cannot be used for routing). If necessary, select the name of any listed map to add or remove the check mark.
4. You may also press the unit or remote MENU key and select options to 'Enable All Maps' or 'Disable All Maps'.

For more information on MapSource and CF data cards, see page 53.

## System InfoPage

The System Info window shows the unit software version and unit ID number.

## Map Info Page

*Check the box for the MapSource data that you want displayed on the map.*

*The System Information page*

# Appendix A

## Vehicle Installation

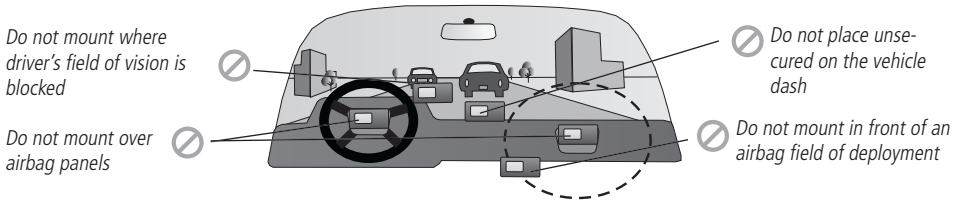
***WARNING:*** *For use in vehicles, it is the sole responsibility of the owner/operator to place and secure the GPS unit so that is does not interfere with the vehicle operating controls and safety devices, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident. Do not place the mounting bracket over airbag panels or in the field of airbag deployment. Airbags expand with a rapid fire force that can propel objects in their path towards the vehicle driver or passengers causing possible injury. Refer to airbag safety precautions contained in the vehicle owner's manual. Do not place the mounting bracket where the driver or passengers are likely to impact it in an accident or collision. The mounting hardware provided by Garmin is not warranted against collision damage or the consequences thereof.*

***NOTE:*** *An optional external remote antenna (Garmin GA 27C) may be needed when operating the unit in a vehicle with a coated windshield or an in-screen heating system which can block the GPS signals.*



### Vehicle Installation

The StreetPilot 2610/2650 is portable, allowing you to easily carry the unit from vehicle to vehicle or take it with you once you reach your destination. A Dash Mount consisting of a mounting base, required hardware, and adhesive pads is included with the StreetPilot 2610/2650. You may choose to use the non-skid friction mount, which is designed for convenient temporary mounting for your StreetPilot 2610/2650. Installation should be performed with consideration for the following safety warnings:



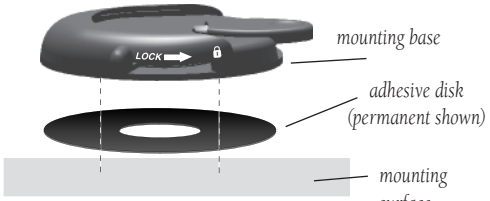

Select a suitable location for installation that allows routing of an external power cord and/or antenna cable (if needed) to the GPS unit. If you are NOT using a remote antenna, be certain to select a location where the GPS unit's antenna has a relatively unobstructed view of the sky.

The StreepPilot 2650, with DR (Dead Reckoning), continues to work as a GPS navigation unit (the same as the StreetPilot 2610) without the DR cable attached. It is possible to use the StreetPilot 2650 as a portable, non-DR unit in multiple vehicles, without the DR cable installed in those vehicles.

## Vehicle Installation

**Installing the Mounting Base with Disk Adhesive** (for the non-skid friction mount, skip this)

1. To secure the mounting base to the dash of the vehicle you may choose either the permanent (hole in disk) or repositionable adhesive options (no hole in disk).
2. Carefully clean the area where the base is to be placed using an alcohol dampened cloth. Wipe the area dry with a clean, dry cloth. Remove one side of the protective backing from the adhesive, and place on the bottom of the base.
3. Remove the remaining backing from adhesive and position the base on the cleaned area. Be certain the locking lever on the base faces forward for easy access.




***Secure Mounting Base with Disk Adhesive***

***NOTE:*** *Allow the permanent adhesive to set 24 hours before using the dash mount. If permanent adhesive is later removed, use rubbing alcohol to clean any adhesive residue. Repositionable adhesive should only be used on clean, dust-free surfaces.*

## Vehicle Installation

### Attaching the External Speaker System with 12/24v DC Adapter to the StreetPilot 2610/2650

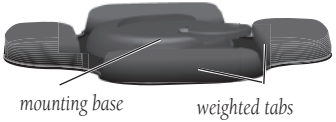
1. Locate the power connector on the rear of the StreetPilot 2610/2650. The connector is "keyed" with a notch located towards the bottom of the plug.
2. Mate the power plug on the External Speaker System with 12/24v DC Adapter to this connector by aligning the notches and sliding the plug into the connector until fully seated. (see figures to the left)
3. Plug the cigarette lighter portion of the External Speaker System with 12/24v DC Adapter into an available cigarette lighter receptacle in your vehicle. Use care when routing the adapter cable being certain that it does not interfere with vehicle operation in any way.

### Attaching the DR (Dead Reckoning) Cable to the External Speaker System with 12/24v DC Adapter for the StreetPilot 2650 only

1. Locate the DR connector on the side of the External Speaker System with 12/24v DC Adapter. The connector is "keyed" with a large and small receptacle.
2. Mate the DR plug to the connector on the External Speaker System with 12/24v DC Adapter and push the plug into the connector until fully seated.

### Non-Skid Friction Mount Base

The non-skid friction mount base is designed to fit an uneven surface. Each of the four weighted tabs can be bent to fit the shape of your vehicle's dash. By fitting the base to your vehicle's dash, you maximize the contact area and minimize the likelihood that the StreetPilot would slide when making sharp turns.



## Attaching the StreetPilot to the Base

These steps apply to both the non-skid friction mount base and the adhesive mounting base.

1. Slide the locking lever on the mounting base, to the left (unlocked position).
2. Attach the StreetPilot to the mounting base by sliding the disk on the bottom of the StreetPilot into the base until it clicks into place.
3. Rotate the StreetPilot left or right until the desired angle is achieved. Slide the locking lever to the right (lock) to secure the StreetPilot to the base.

## Adjusting the StreetPilot's Viewing Angle

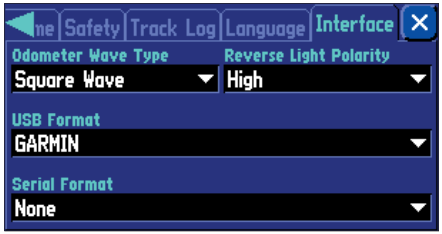
1. Tilt the StreetPilot 2610/2650 forwards or backwards as needed. The mounting bracket clicks as you adjust the tilt.
2. Rotate the entire StreetPilot by sliding the locking lever to the left (unlocked position). Adjust the angle as desired and move the lever back (right) to the locked position.

*Unlock to adjust left/right*

## Removing the StreetPilot from the Base

1. Slide the locking lever, on the mounting base, to the left (unlocked position).
2. Press the release tab downward and slide the StreetPilot to the right.

## DR Cable Wiring (2650 Only)




Interface Tab (2650 Only)

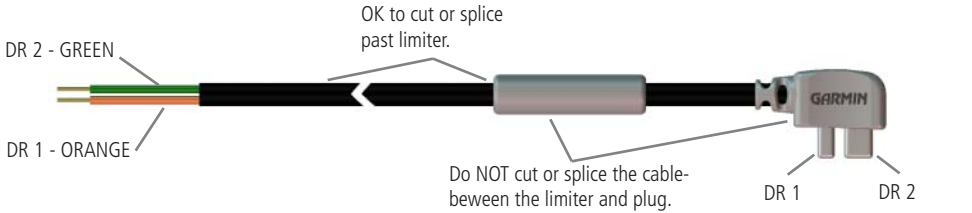
### DR Cable Wiring - For Dealer Installation

The StreetPilot 2650 must be installed by a licensed dealer due to the DR (Dead Reckoning) cable connections. The DR connection consists of a 2-wire harness that connects to the VSS (Vehicle Speed Sensor) and Reverse Light Switch on the bare wire end and the External Speaker System with 12/24v DC Adapter on the 2-prong molded connector end. See pages 44-47 for additional installtion instructions for the StreetPilot 2650.

The **Orange** DR 1 cable wire attaches to the VSS. The unit software option 'Odometer Wave Type' needs to be set to either 'Square Wave' or 'Sine Wave' (see page 38). This may be determined either by contacting the vehicle manufacturer or by using an oscilloscope. 'Square Wave' is the most common type. **Do not connect the DR Cable into the vehicle speed sensor signal from the ABS control.**

The **Green** DR 2 cable wire attaches to the Reverse Light Switch. The unit software options 'Reverse Light Polarity' needs to be set to either 'High' or 'Low' (see page 38). Contact the vehicle manufacturer for polarity or check with a voltmeter. Set to 'High' (most common) if a positive, high voltage is detected. Set to 'Low' if no or a low voltage is detected.

*WARNING: the terms of the Garmin Warranty require that the DR (Dead Reckoning) Cable with bare wire leads be installed by experienced installers at a qualified installation facility (i.e., auto electrical accessory installation center). The user should not attempt installation without proper knowledge of automotive electrical systems and skill in the use of special tools or hardware required for installation.*



## Time Zones and UTC Time Offset

The StreetPilot 2610/2650 has many time zones built into memory. To display the correct local time, simply choose the corresponding time zone. Internally, the StreetPilot 2610/2650 does the necessary "offset" calculations to convert from UTC (Coordinated Universal Time) to selected local time zone.

**To select a time zone:**

1. Press unit or remote **MENU** to select the Main Menu, then select 'Options'.
2. Select the 'Time' file tab, then select the 'Time Zone' field to display a list of available time zones.
3. Select the desired time zone and press **ENTER**.

If the desired time zone is not pre-programmed into the StreetPilot 2610/2650, you'll need to enter the time offset manually. To do this, select 'Other' as the time zone. Once selected, a 'UTC Offset' field appears directly adjacent to 'Other', allowing you to manually enter the difference between UTC and the local time zone.

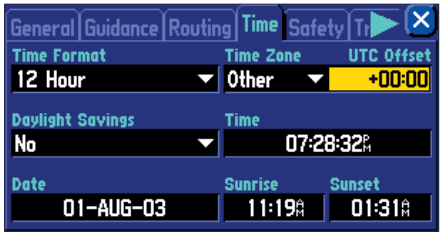
**To manually enter a time zone offset:**

1. Follow the steps above and select 'Other' in the 'Time Zone' field.
2. Select the 'UTC Offset' field, then use the enter the desired offset amount.
3. Select 'OK' when finished.

If you are not certain what the offset is between UTC and the local time zone, experiment. Simply enter incremental offset values until the correct local time appears. To aid this endeavor, keep in mind that as you move West of the Prime Meridian (0° longitude) the offset is negative (-), and as you move East of the Prime Meridian the offset is positive (+). In other words, it is earlier in the day when you move West and later in the day when you move East.

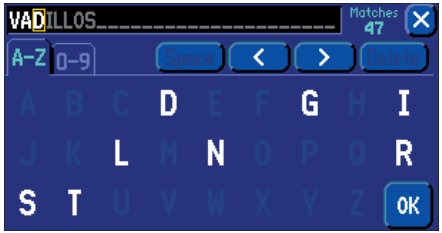
## Time Offsets

*Many time zones are pre-programmed into your StreetPilot 2610/2650 making display of local time simple.*

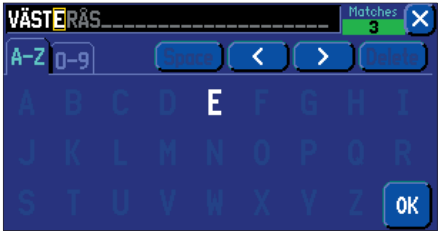



*If the desired time zone is not pre-programmed, select 'Other' and enter the offset from UTC to the local time.*

## Using Diacritical Marks




*When finding cities, enter each character using the base letter (or whatever corresponding letter with diacritical marks appears), then proceed to the next character.*




*As you continue entering each character, previously entered characters may change to appear with or without diacritical marks. Once the desired name is displayed select 'OK', then select the desired name to display an information page.*



### Using Diacritical Marks

The European version of the StreetPilot 2610/2650 supports diacritical marks commonly used in many European languages. Diacritical marks are added to letters to indicate a special phonetic value that distinguishes it from an otherwise identical letter. The following letter/diacritic combinations, and special characters, are supported in your StreetPilot 2610/2650:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| À | Á | Â | Ã | Ä | Å | Ç | È |
| É | Ê | Ë | Ì | Í | Î | Ï | Ð |
| Ñ | Ò | Ó | Ô | Õ | Ö | Ø | Ù |
| Ú | Û | Ü | Ý | Ÿ | Þ | ß | |

Ligatures are not displayed, but are instead converted to separate characters. For example, "Æ" or "æ" appears on the StreetPilot 2610/2650 as "AE". Similarly, "Œ" or "œ" appears on the StreetPilot 2610/2650 as "OE". The "ß" character is displayed as "SS" on the StreetPilot 2610/2650.

Letters with diacritical marks are sorted together with those without diacritics. For example, the "Ç" is sorted in the StreetPilot 2610/2650's alphabet as a "C", and the "Ð" is sorted as a "D". This means that sorted lists may contain a mix of diacritic marks for a given letter. Also note that the "Þ" character appears at the end of the alphabet on the StreetPilot 2610/2650.

When searching for a city or point of interest (POI) that includes these special characters in its name, your search proceeds as if the base letter and the same letter with diacritical marks are identical. In other words, when searching for a city/POI that includes E, È, É, Ê or Ë in the name, simply enter "E" or whichever diacritic version appears and proceed to the next character in the name. As you continue to enter additional characters, the appropriate character appears when the correct city/POI name is selected. You can observe this by using the **FIND** key to select the following cities:

**To FIND Västerås, Sweden:**

1. Press the unit or remote **FIND** key then select 'Cities'.

2. Using the instructions on page 4 select 'V' as the first character. The next field is automatically highlighted
3. Select the 'A' as the second character.
4. Select the 'S' as the third character. As you enter letters, notice how the 'A' character in the preceding step changes from 'A' to an 'A' with diacritical marks.
5. Continue entering the next three characters 'T', 'E' and 'R' in the same manner.
6. Select 'Å' as the seventh character. Notice that the diacritic letter appears first, not 'A', because 'VÄSTERÅS' is the only matching entry remaining in the city database.
7. Try this same exercise with København, Denmark; Logroño, Spain; or Genève, Switzerland.

For other special characters, try searching for the following cities: Bragança, Portugal (appears as shown here); or Meißen, Germany (appears as "MEISSEN" in your StreetPilot 2610/2650).

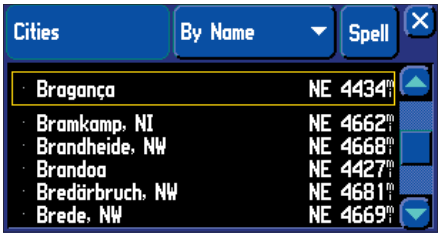
If you wish to save a city/POI as a waypoint, the StreetPilot 2610/2650 assigns a waypoint name to this location. Keep in mind that, although diacritical marks appear when using the **FIND** key, they are not supported in most other StreetPilot 2610/2650 functions. Therefore, Västerås, Sweden appears as "VASTERAS" when saved as a waypoint.

**To save a city or point of interest as a waypoint:**

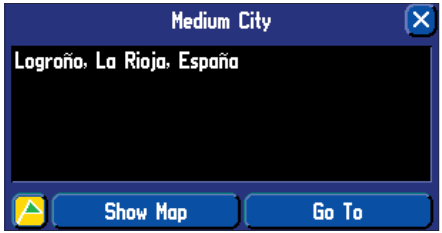
1. Follow steps 1 through 6 above to select the desired city or point of interest (POI).
2. With the desired city or POI displayed, select the desired city or POI to display a waypoint information screen.
3. Select the on-screen Save as Waypoint 'Flag'icon.



## Using Diacritical Marks

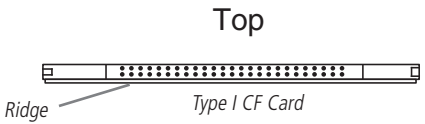


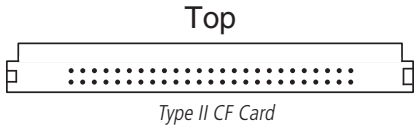

*Other special characters appear on your StreetPilot 2610/2650.*




*To save a city or point of interest as a waypoint, select the on-screen Save as Waypoint 'Flag' button.*

## CompactFlash® Data Cards




*CompactFlash® cards are widely available over the counter, and you may purchase additional cards at many different retailers. Because Garmin does not manufacture these cards, it is possible that CompactFlash cards by certain manufacturers may generate radio frequency signals that interfere with the operation of your StreetPilot. These circumstances are beyond Garmin's control. If this occurs, please use a CF card from a different manufacturer.*

### Installing and Removing the CompactFlash® (CF) Data Card

The StreetPilot 2610/2650 supports Type I and II CompactFlash® (CF) data cards. The top of the card should always face towards the FRONT of the unit when inserting. Type I cards have a slight ridge on the bottom of the card that aids with removal. When removing Type II cards, avoid pinching the card in the middle, rather grab the card by the inserted top and bottom edges.

**To install a CF data card:**

1. Slide UP on the top portion of the CF card door, then open the door away from the unit.
2. Insert the CompactFlash card into the slot with the top facing toward the front of the StreetPilot 2610/2650. Gently push the card in until the eject button extends out to about the end of the CF card. **Do not apply excessive force as this may damage the CF card and/or result in internal damage to the unit!** When properly inserted, the CF card protrudes slightly from the slot (not flush).
3. Close the card door by pushing the top of the card door towards the unit until it clicks and locks. Always close the door completely to prevent water entry.
4. To remove the card, repeat step one, then push the eject button until it is flush with the casing. Gently slide the CF card out of the unit.

## MapSource City Navigator

A CD-ROM containing MapSource City Navigator mapping software is included with your StreetPilot 2610/2650. City Navigator is designed specifically for the StreetPilot 2610/2650 and contains detailed street maps and points of interest for major cities. This mapping software allows for automatic routing; the map data also contains turn restrictions and other routing information. With City Navigator data in your StreetPilot 2610/2650, simply enter an address or intersection, or search for a point of interest using the unit or remote **FIND** key and the StreetPilot 2610/2650 automatically plans a route and provides turn-by-turn directions to that location. You may also view the address, phone number and map location of services or points of interest. Be aware that, depending on the City Navigator version, not all areas are covered in detail by the City Navigator CD. To get detailed, street-level routing for major cities, you need to download maps from the City Navigator CD.

## Transferring City Navigator CD Data to a CF Data Card

Included with your purchase of the StreetPilot 2610/2650 is a CompactFlash® Data Card, which allows you to quickly download maps from your PC. Follow the directions with MapSource to install the software, then connect the unit to your PC's USB port. Once you've inserted the City Navigator CD and started the MapSource program on your PC, move the cursor to the pull-down menu at the top of the screen and select "City Navigator."

Now, select the detailed coverage areas you want to download. You can continue to add map areas until the total map size reaches the limit of your data card. With the CF data card inserted in your StreetPilot, click on the download button at the top of the screen, and the information quickly downloads to the CF data card. As you load different map areas, MapSource overwrites previously stored data.

For more information, please refer to the MapSource User's Manual and Reference Guide under "Creating and Using Map Sets" and "Transferring Data."



## Using MapSource

*The MapSource City Navigator CD is designed specifically for use with the StreetPilot 2610/2650, and contains detailed street maps for major cities within a regional area (for example, North America or Europe).*

## Messages

The StreetPilot 2610/2650 uses an on-screen message system to alert you to unit operating characteristics. Press the remote **IN** key or **TOUCH** the message to acknowledge.

**Antenna Shorted To Ground –** Check antenna wiring or antenna placement.

**Basemap Failed –** The unit's basemap has failed. Return the unit to Garmin for service.

**CF Temperature Out of Range –** Type II CF card is too hot/cold to run reliably. Check operating temperature. The card should start to function normally when the temperature has returned to normal range.

**Data Card Error –** Error with data on card. Try reloading or replacing card.

**Data Card Error: Bad Format –** Unrecognized data format. Use preformatted CF card.

**Data Card Error: File not Found –** No map data on card. Load map data to CF card.

**Data Transfer Complete –** Transfer of data to the unit from PC software has been completed.

**Database Error –** A waypoint or route failed to store in memory. If the problem persists, return the unit to Garmin for service.

**Detail Maps Don't Support Routing –** The maps that are loaded on the data card do not support automatic route calculation.

**GPS Turned Off for Indoor Use –** GPS satellite reception has been disabled for indoor use.

**Lost Position Confidence –** (2650 Only) Unit has been running on DR (Dead Reckoning) too long without GPS position. Make sure the antenna has a clear view of the sky.

**Lost Satellite Reception** - The unit has lost satellite signals. Check antenna connections or try moving it to a location with a clear view of the sky.

**Memory is Full –** The unit's memory is full. To reduce the amount of memory used, delete unused routes, waypoints, or track log data.

**Memory (RAM) Failed –** The unit has detected a failure in its internal memory. If this message persists, the unit is unusable: return it to Garmin for service.

**Memory (ROM) Failed –** The unit has detected a failure in its permanent memory. If this message persists, the unit is unusable: return it to Garmin for service.

**None Found –** A search through MapSource data, using the selected criteria, has produced no matching results.

**Processor Failed –** The unit has detected a fault in its internal processor. If this message persists, the unit is unusable: return it to Garmin for service.

**Route Data Transfer Complete –** Route data has successfully been transferred to the unit.

**Route Memory is Full –** Route memory is full and no more routes can be saved or added (from another GPS unit or a PC).

**Route Truncated –** The route has been truncated because it was too long. There are turns missing prior to the destination.

**Route Waypoint Memory is Full –** There is no more space for map-based route waypoints (used for turns).

**Safe Mode is Turned On –** The action attempted is disabled while moving to prevent distractions from driving.

**Sunrise, Switching to Day Mode –** The map is switching to the Day Mode display.

**Sunset, Switching to Night Mode –** The map is switching to the Night Mode display.

**That Route Name is Already Used –** The route name you have entered is already being used by another route.

**Too Many Maps on Data Card –** The data card contains more maps than the unit software can process.

**Track Data Transfer Complete –** Track data has successfully been transferred to the unit.

**Track Name Already Exists: <name> –** The track you have entered is already used by another track. Choose a different name.

**Track Memory is Full –** Track log memory is full. No additional track log data can be stored without deleting old data to create memory space.

**Track Truncated –** A complete uploaded track will not fit in memory. The oldest track log points were deleted to make space for the most recent data.

**Waypoint Data Transfer Complete –** Waypoint data has successfully been transferred to the unit.

**Waypoint Memory is Full –** You have used all 500 waypoints available. Delete unwanted waypoints to make space for new entries.

**Waypoint Name Already Used –** The waypoint name you have entered is already used by another waypoint. Choose a different name.

# Appendix F

## Specifications

### Physical Specifications

| | |
|---|---|
| Size: | 5.6”W x 3.2”H x 2.0”D (14.3 x 8.0 x 5.0 cm) |
| Weight: | .93 pounds (420 g) |
| Display: | 3.3”W x 1.7”H (8.4 x 4.4 cm), (305 x 160 pixels), automotive-grade 8-bit, 256-color LCD w/automatic dimming backlight and touch screen; compatible with polarized sunglasses |
| Case: | Rugged; fully gasketed; IPX-7 waterproof (only with CF card slot cover closed. Waterproof rating for StreetPilot unit only, does not include remote control) |
| Antenna: | Built-in patch; MCX-type connector for optional GPS antenna connection. |
| Temp. Range: | 5° to 158°F (-15° to 70°C) |
| Infrared: | Remote control, IR port |
| Photo Sensor: | Senses lighting conditions for automatic backlight dimming |
| Data Storage: | Indefinite; no memory battery required |
| Map Storage: | CompactFlash® (CF) memory cards; type I and II compatible* |

### Performance

| | |
|---|---|
| Receiver: | 12 parallel channel receiver |
| Acquisition Times** | |
| Warm: | Approximately 15 seconds |
| Cold: | Approximately 45 seconds |
| AutoLocate: | Approximately 2 minutes |
| Update Rate: | Once per second, continuous |
| GPS Accuracy | |
| Position***: | <15 meters (49 feet), 95% typical |
| Velocity: | 0.05 meter/sec steady state |
| Dynamics: | Performs to specifications to 6 g’s |
| Interface: | USB 1.1 device |

## Appendix F

# Specifications

**Power**

| | |
|---|---|
| Source: | 12/24v DC |
| Usage: | 6 watts maximum<br>@ 13.8v DC |
| Fuse: | AGC/3AG - 1.0 Amp |
| Remote Control: | Two AA alkaline batteries. (Not included) |

**Features**

| | |
|---|---|
| Waypoints: | 500 with name and graphic symbol |
| Routes: | Up to 50 stored |
| Track Log: | 2000 track log points |
| Dead Reckoning: | (StreetPilot 2650 only) Internal angular rate sensor, external speed sensor input, and external reverse light sensor input (Installed by dealer) |

* CompactFlash® data cards are widely available over the counter, and you may purchase additional cards at many different retailers. Because Garmin does not manufacture these cards, it is possible that CompactFlash cards by certain manufacturers may generate radio frequency signals that interfere with the operation of your StreetPilot. These circumstances are beyond Garmin's control. If this occurs, please use a CF card from a different manufacturer.

** Warm = all data known; Cold = position, time and almanac known; AutoLocate = almanac known, position and time unknown; Skysearch = no data known.

*** Subject to accuracy degradation to 100m 2DRMS under the U.S. DOD-imposed Selective Availability Program.

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