

nüvi® 800 series

personal travel assistant



© 2008 Garmin Ltd. or its subsidiaries

Garmin International, Inc.
1200 East 151st Street,
Olathe, Kansas 66062, USA
Tel. (913) 397.8200 or
(800) 800.1020
Fax (913) 397.8282

Garmin (Europe) Ltd.
Liberty House
Hounslow Business Park,
Southampton, Hampshire, SO40 9RB UK
Tel. +44 (0) 870.8501241 (outside the UK)
0808 2380000 (within the UK)
Fax +44 (0) 870.8501251

Garmin Corporation
No. 68, Jangshu 2nd Road,
Shijr, Taipei County, Taiwan
Tel. 886/2.2642.9199
Fax 886/2.2642.9099

All rights reserved. Except as expressly provided herein, no part of this manual may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without the express prior written consent of Garmin. Garmin hereby grants permission to download a single copy of this manual onto a hard drive or other electronic storage medium to be viewed and to print one copy of this manual or of any revision hereto, provided that such electronic or printed copy of this manual must contain the complete text of this copyright notice and provided further that any unauthorized commercial distribution of this manual or any revision hereto is strictly prohibited.

Information in this document is subject to change without notice. Garmin reserves the right to change or improve its products and to make changes in the content without obligation to notify any person or organization of such changes or improvements. Visit the Garmin Web site (www.garmin.com) for current updates and supplemental information concerning the use and operation of this and other Garmin products.

Garmin®, MapSource®, nüvi®, and TourGuide® are trademarks of Garmin Ltd. or its subsidiaries, registered in the USA and other countries. Garmin Lock™ and myGarmin™ are trademarks of Garmin Ltd. or its subsidiaries. These trademarks may not be used without the express permission of Garmin.



The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc., and any use of such name by Garmin is under license. Microsoft, MSN, the MSN logo, Windows, and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Mac® is a registered trademark of Apple Computer, Inc. Audible.com® and AudibleManager® are registered trademarks of Audible, Inc. © Audible, Inc. 1997–2005. SaversGuide® is a registered trademark of Entertainment Publications, Inc. RDS-TMC Traffic Information Services France © ViaMichelin 2006. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries. microSD is a trademark of the SD Card Association.



When you are instructed to “touch” something, use your finger to touch an item on the screen.

The small arrows (>) used in the text indicate that you should touch a series of items. For example, if you see “touch **Where to?** > **Favorites**” you should touch **Where to?**, and then touch **Favorites**.

Speech recognition commands such as “**Go Home**” are noted in green. When you are instructed to speak, talk in a normal voice directed to the nüvi.

- To quickly return to the Menu page, touch and hold **Back**.
- Touch  and  to see more choices. Touch and hold these buttons to scroll faster.

Go to <http://my.garmin.com> to access the latest services for your Garmin products:

- Register your Garmin unit.
- Subscribe to online services for safety camera information (see [page 58](#)).
- Unlock optional maps.

Contact Garmin Product Support if you have any questions while using your nüvi. In the USA, go to www.garmin.com/support, or contact Garmin USA by phone at (913) 397-8200 or (800) 800-1020.

In the UK, contact Garmin (Europe) Ltd. by phone at 0808 2380000.

In Europe, go to www.garmin.com/support and click **Contact Support** for in-country support information, or contact Garmin (Europe) Ltd. by phone at +44 (0) 870.8501241.

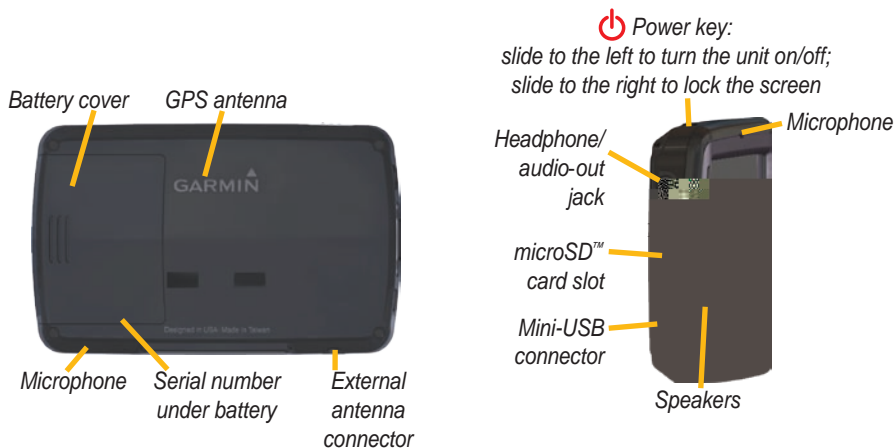
Manual Conventions.....	i	Go! Page Options.....	8
nüvi® Tips and Shortcuts.....	i	Finding an Address.....	8
myGarmin™	i	Finding a Place by Spelling the Name	9
Contact Garmin	i	Setting a Home Location	9
		Finding Recently-Found Places	10
Your nüvi Unit	1	Favorites.....	10
Step 1: Install the Battery	2	Using Photo Navigation.....	11
Step 2: Mount the nüvi	2	Finding a Place Using the Map	12
Step 3: Activate and Mount the Speech Recognition Remote Control.....	3	Entering Coordinates.....	12
Step 4: Configure the nüvi.....	4	Creating and Editing Routes	13
Step 5: Acquire Satellites	4	Searching Near Another Location.....	14
Understanding the Menu Page.....	4	Navigating Off Road	14
Finding Your Destination	5	Walking to a Destination.....	14
Following Your Route	6		
Adding a Stop.....	6	Map Page.....	15
Taking a Detour	7	Trip Computer Page	16
Stopping the Route.....	7	Turn List Page	16
Speaking Commands.....	7	Next Turn Page	16
Adjusting the Volume.....	7		
Locking the Screen.....	7	Using the Remote Control.....	17
		Activating Speech Recognition.....	17
		Speaking to Your nüvi.....	17

Recognizing Icons and Tones.....	20	Picture Viewer	34
Using Speech Recognition Tips	20	Traffic.....	35
Pairing Your Phone.....	21	MSN® Direct.....	35
Receiving a Call	22	Games.....	35
In a Call	22	Calculator	35
Hands Free Phone Menu	23	Currency Converter	36
Playing Music	27	Unit Converter	37
Listening to Audible Books	29	World Clock	37
Using a Backup Camera	31	Alarm Clock.....	37
Supported File Types.....	32	Garmin Travel Guide	38
Loading Files	32	SaversGuide®	38
Loading Pictures for Photo		My Data	38
Navigation	33	Traffic	
Deleting Files	33	LED Blink Codes	39
Settings	34	Traffic in Your Area	40
Where Am I?.....	34	Traffic on Your Road.....	40
Routes	34	Traffic on Your Route.....	40
Help	34	Traffic Icons	41
Music Player.....	34	Severity Color Code	41
Audible Player	34	Traffic Subscriptions	41
		Auto Tuning the FM Transmitter	42
		Manually Tuning the FM	
		Transmitter	42

Introduction

Frequency Selection Tips	43	Clearing User Data	54
FM Transmitter Information	43	Battery Information	54
Changing the System Settings	44	Charging Your nüvi	56
Changing the Navigation Settings	44	Changing the Fuse	56
Adding Security Settings	45	Removing the nüvi and Mount.....	56
Updating the Time Settings	46	Mounting on Your Dashboard.....	57
Adjusting the Display Settings.....	46	Additional Maps.....	57
Changing the Map Settings.....	47	Extras and Optional Accessories....	58
Setting the Bluetooth Technology Options	48	About GPS Satellite Signals.....	59
Setting the Languages	48	Declaration of Conformity.....	59
Viewing Traffic Subscription Information	49	Important Legal Notice Regarding Your FM Transmitter	60
Adjusting Backup Camera Settings	50	Software License Agreement	61
Changing the Proximity Points Settings	51	Specifications	62
Restoring All Settings	51	Troubleshooting.....	63
Caring for Your nüvi	52		
Locking Your nüvi	53		
Calibrating the Screen.....	53		
Resetting the nüvi.....	54		
Updating the Software.....	54		

See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.



Check local traffic laws before mounting. Currently, some state laws prohibit drivers from using suction mounts or other devices on their windshields that could obstruct the driver's vision while operating motor vehicles. Other Garmin dashboard or friction mounting options should be used.

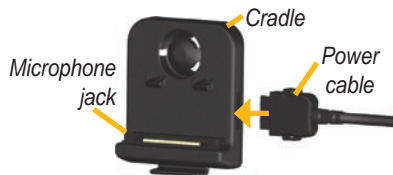
WARNING: This product contains a lithium-ion battery. To prevent damage, remove the unit from the vehicle or store it out of direct sunlight.

1. Locate the rectangular lithium-ion battery that came in the product box.
2. Slide the battery cover off the back of the nüvi.
3. Locate the metal contacts on the end of the lithium-ion battery.
4. Insert the battery so that the metal contacts on the battery match up with the metal contacts inside the battery compartment.

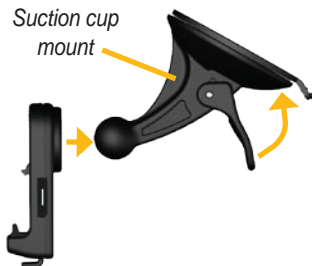


5. Press the battery down into place.
6. Slide the battery cover back on until it clicks into place.

1. Plug the vehicle power cable into the power connector on the right side of the cradle.



2. Snap the cradle onto the suction cup mount.



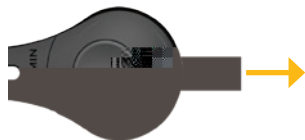
3. Clean and dry your windshield with a lint-free cloth. Remove the clear plastic from the suction cup, and clean it with a lint-free cloth. Place the suction cup on the windshield.

4. Flip the lever back, toward the windshield.
5. Fit the bottom of your nüvi into the cradle.
6. Tilt the nüvi back until it snaps into place.



7. Plug the other end of the vehicle power cable into a power outlet in your vehicle. Your unit should turn on automatically if it is plugged in and your vehicle is running.
8. If you are using a traffic receiver in Europe, secure the traffic receiver antenna to the windshield using the suction cups.


Pull the clear tab out of the remote control to activate it.




Mount the remote control in a convenient location in your vehicle, such as on your steering wheel. Use the strap to secure the remote control in place.



Step 4: Configure the

To turn on your nüvi, slide the  **Power** key to the left. Follow the on-screen instructions.

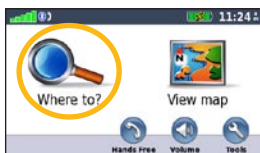
Go outdoors to an open area, out of garages, and away from tall buildings. Stop your vehicle, and turn on the nüvi. Acquiring satellite signals can take a few minutes.

The  bars indicate GPS satellite strength. When one bar is green, the nüvi has acquired satellite signals. Now you can select a destination and navigate to it. For more information about GPS, see [page 59](#) and visit www.garmin.com/aboutGPS.

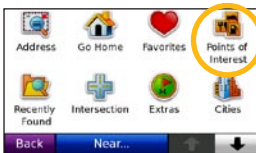


- 1 GPS satellite strength
- 2 Bluetooth® technology status
- 3 Battery status
- 4 Current time—touch to change time settings.
- 5 Touch to find a destination.
- 6 Touch to view the map.
- 7 Touch to make a call when connected to a [compatible mobile phone](#) (nüvi 860 and 880 only).
- 8 Touch to adjust the volume.
- 9 Touch to use tools such as media players, settings, and Help.

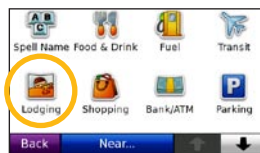
The Where to? menu provides several different categories for you to use when searching for addresses, cities, and other locations. The detailed maps loaded in your nüvi contain millions of points of interest, such as restaurants, hotels, and auto services.



1. Touch



2. Select a category.



3. Select a subcategory.

Fairfield Inn-Olathe 12245 S Strang Line Rd	3.67 N
Residence Inn-Olathe 17215 S Strang Line Rd	3.77 N
Hampton Inn-Olathe 12205 S Strang Line Rd	4.07 NE
Comfort Suites-Kansas City... 12070 S Strang Line Rd	4.07 NE

4. Select a destination.



5. Touch

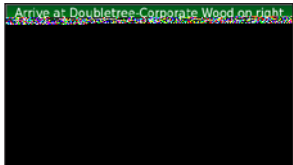


TIP: Touch  and  to see more choices.

As you travel, your nüvi guides you to your destination with voice prompts, arrows on the map, and directions at the top of the map. If you depart from the original route, your nüvi recalculates the route and provides new directions.



*Your route is marked with a magenta line.
Follow the arrows as you take turns.*









A checked flag marks your destination.

You can add a stop (called a via point) to your route. The nüvi gives you directions to the via point and then to your final destination.





TIP: To learn how to edit the active route, see [page 13](#).


1. With a route active, touch  >
2. Search for the extra stop.
3. Touch .
4. Touch  to add this stop before your destination. Touch  to make this your new final destination.

1. With a route active, touch .
2. Touch .



The nüvi attempts to get you back on your original route as quickly as possible. If the route you are currently taking is the only reasonable option, the nüvi might not calculate a detour.

1. With a route active, touch .
2. Touch .

Use the speech recognition feature to speak to your nüvi to find destinations and select options.


Press the large button on the remote control to turn on speech recognition. When the  green speak icon appears on the screen, speak a command. You can speak anything you see on the screen. For more information about the

speech recognition feature, the remote control, and a list of shortcut commands, see [pages 17–20](#).


From the Menu page, touch **Volume**. Touch  and  to adjust the master volume. Touch the box next to **Mute** to mute all audio.

To adjust the volume levels for the voice prompts, the media player, and the phone, touch **Mixer**. Adjust the levels as needed. Touch Restore to return the volume settings to the original levels.

Touch **Audio Output** to set up the FM transmitter. For more information, see [pages 42–43](#).

To prevent accidental screen touches, slide the **Power** key to the right (). To unlock the screen, slide the **Power** key to the center position.

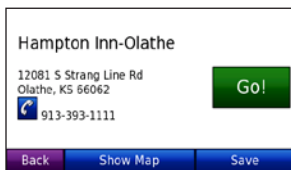
Where to?

The  Where to? menu provides several different categories you can use to search for locations. To learn how to perform a simple search, see [page 5](#).




TIP: Touch **Near...** to change the search area. See [page 14](#).

Touch an item in the search results list to view the Go! page.



Touch **Go!** to create a turn-by-turn route to this location.

If a mobile phone with Bluetooth wireless technology is connected, touch  to call this location.

Touch **Show Map** to view this location on the map.



Touch **Save** to save this location. See [page 10](#).

1. Touch **>** .
2. Touch **OR** , if necessary.
3. Touch **.**
OR
Touch

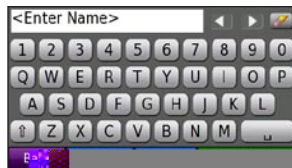







NOTE: Depending on the version of the maps loaded on your nüvi, the button names can change and some steps could be ordered differently.

If you know the name of the location you are looking for, you can spell it using the on-screen keyboard. You can also enter letters contained in the name to narrow the search.

1. Touch  > .
2. Using the on-screen keyboard, enter letters in the name. Touch  .


When an on-screen keyboard appears, touch a letter or number to enter it.



Touch  to add a space. Touch  and  to move the cursor. Touch  to delete a character. Touch and hold  to erase the entire entry.






Touch **Mode** to select the keyboard language mode. Touch **&?%** to enter special characters, such as punctuation marks.

You can set a home location for the place you return to most often.

1. Touch  > .
2. Select an option.

After you set your home location, you can route to it at any time by touching **Where to? > Go Home**.

To change your home location, you must first delete it from **Favorites**.

1. Touch  >  .
2. Touch  >  >  .

After you delete your home location, reset it by following the steps on [page 9](#).


Your nüvi stores the last 50 of your recent finds in the Recently Found list. The most recently viewed places appear at the top of the list. Touch **Where to? > Recently Found** to view your recently found items.




To remove all places from the Recently Found list, touch **Clear > Yes**.





NOTE: When you touch **Clear**, all items from the list are removed. This process does not delete the actual place from your nüvi.

You can save places in your Favorites so you can quickly find them and create routes to them. Your home location is also stored in Favorites.




From the Map page, touch . Touch **Save Location** to save your current location.

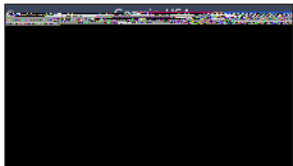
1. After you have found a place you want to save, touch .
2. Touch . The place is saved in .







1. Touch .
2. Touch . Your saved locations are listed.



TIP: Your **Last Position** is automatically saved each time you remove the nüvi from the cradle. Use this feature to find your car in a parking lot.





1. Touch  > .
2. Touch the location you want to edit.
3. Touch .





4. Touch an item to edit:
 - enter a new name, and touch .
 -  —select a picture to assign to the location.
 - touch  a new symbol used to mark this location on the map.
 - enter a phone number, and touch .
 - select another category for the location.
 -  —removes this item from the Favorites list. Touch .

Panoramio™ provides pictures that include location information. You can load these pictures on your nüvi or on a microSD card and create routes to them. Visit <http://connect.garmin.com/photos> to download pictures with location information. See [page 33](#) for more information.

Where to?




1. Touch   . Pictures you have saved on the nüvi drive or on the microSD card are listed.
2. Touch a picture.
3. Touch  to navigate to the location. Touch  to view the location on the map.

Use the Browse Map page to view different parts of the map. Touch **Where to?** > **Browse Map**.

- Touch the map, and drag to view different parts of the map.
- Touch  and  to zoom out and in.
- Touch any object on the map. An arrow appears pointing at the object.
- Touch **Save** to save this location.
- Touch **Go!** to navigate to the location.

- If the GPS mode is off, touch **Set Location** to set your location to the selected location. (See [page 44](#).)

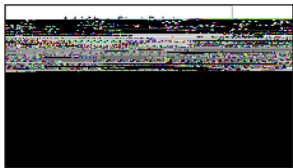
If you know the geographic coordinates of your destination, you can use your nüvi to navigate to your destination using the latitude and longitude coordinates. This can be especially helpful when geocaching.

1. Touch  .
2. Touch  to change the type of coordinates. Because different maps and charts use different position formats, the nüvi allows you to select the correct coordinate format for the type of map you are using.
3. Enter the coordinates, and touch  .

Touch **Where to?** > **Routes**. Select the route you want to take and touch **Go!**.

Use your nüvi to create and save routes before your next trip. You can save up to 10 routes.

1. Touch **+** (or **-**) >
2. Touch **.**
3. Find a location as your starting point, and touch **.**
4. Touch **.**
5. Find a location as your ending point, and touch **.**



6. Touch **+** to add another location to your route. Touch **-** to remove a location.
 7. Touch **.** to calculate your route and view it on the map.
 8. Touch **.** to save the route and exit.
1. Touch **.** (or **.**) >
 2. Select the route you want to edit.
 3. Touch **.**
 4. Touch an item to edit:
 - .**—enter a new name, and touch **.**
 - .**—add or remove points from the route.
 - .**—change the order of points along your route.
 - .**—automatically order the points.

Where to?

—change the route preference to calculate by faster time, shorter distance, or off road.

- —remove this route.



NOTE: Your changes are automatically saved when you exit any of the route edit pages.



NOTE: Your nüvi automatically searches for places near your current location.

1. Touch  .

2. Select an option:

—search near your current location.



—search near the city you enter.

—search along your active route.


—search near your current destination.

If you are not following roadways as you navigate, use Off Road mode. Touch **Tools > Settings > Navigation > Route Preference > Off Road > OK**. Select a destination and touch **Go!** to navigate off road to the destination.

If you are walking to your destination, use Pedestrian mode to optimize your route for walking. Touch **Tools > Settings > System > Usage Mode > Pedestrian > OK**.


Touch  **View map** to open the Map page. The  vehicle icon shows your current location. Touch and drag the map to view a different area of the map (see [page 12](#)).

Touch the text bar to open the Turn List page.

Touch  to zoom out.


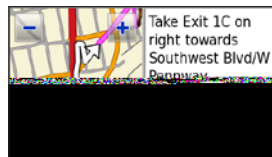
Touch **Menu** to return to the Menu page.

Touch **Arrival** or **Speed** to open the Trip Computer page.

Touch  to zoom in.

To save your current location, touch the vehicle icon.

Touch **Turn In** to open the Next Turn page.

TIP: A speed limit icon could appear as you travel on major roadways. This icon displays the current speed limit of the roadway.

The Trip Computer page displays your current speed and provides helpful statistics about your trip.

To view the Trip Computer page, touch the **Speed** or **Arrival** field on the Map page.

If you make frequent stops, leave the nüvi turned on so it can accurately measure elapsed time during the trip.

If you want accurate trip information, reset the trip computer before beginning a trip. Touch **Reset Trip** to reset the information on the Trip Computer page. Touch **Reset Max** to reset the maximum speed.

When you are navigating a route, the Turn List page displays turn-by-turn instructions for your entire route and the distance between turns.

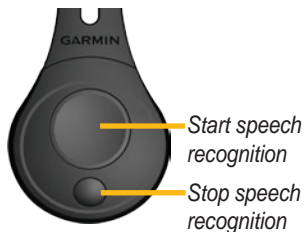
Touch the text bar on the top of the Map page to open the Turn List page. Touch a turn on the list to view the Next Turn page for that turn. Touch **Show Map** to view the entire route on the Browse Map.

When you are navigating a route, the Next Turn page shows the turn on the map and the distance and time left before you reach the turn.

To view an upcoming turn on the map, touch the **Turn In** field on the Map page, or touch any turn from the Turn List page.

The speech recognition feature allows you to speak to your nüvi to find destinations, select options, and perform other functions.

Use the remote control to start or stop a speech recognition session.




If the nüvi does not enter speech recognition mode, make sure the remote control is activated.

1. From the Menu page, touch



2. Touch
3. Press a button on the remote control.

1. Press the large button on the remote control.
2. Wait for the  green speak icon to appear.
3. Speak a command.

Speech recognition uses four search methods:

- Speak any text on the screen
- Speak shortcut commands
- Speak the name of a popular place
- Speak an address

1. Speak any word on the screen. For example, from the Tools menu, you can speak or

Speaking Commands

2. Listen for the voice prompt before speaking your next command.
1. Speak any shortcut command from the shortcut commands listed below. You can use shortcut commands from any screen.
2. Listen for the voice prompt before speaking your next command.

Audible Player	Help
Cancel Route	Main Menu
Detour	Music Player
Find Address	Stop Listening
Find City	Tools Menu
Find Favorite	Trip Computer
Find Place by Category	View Map
Find Place by Name	Volume Down
Find Recently Found	Volume Up
Go Home	Where Am I?
Hands Free	Where To?

-Specific Shortcut Commands

Show Gas Prices	Show Stocks
Show Local Events	Show Traffic
Show Movie Times	Show Weather
Show News	Show Web Favorites

You can also say **Find Nearest** to search a location category. Location categories are Point of Interest categories contained in the nüvi. The Find Nearest command only works from the Menu page, the Where to? page, and the Map page.

1. Say **Find Nearest** followed by a Point of Interest category, such as



"Find Nearest Italian Restaurant"

Additional examples of Find Nearest commands include:

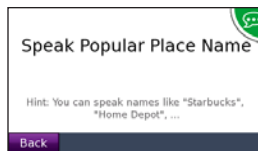
- **Find Nearest Gas Station**
- **Find Nearest Grocery Store**
- **Find Nearest Bank**
- **Find Nearest Movie Theater**

1. Speak _____ from any screen.



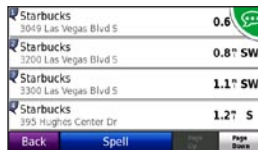
"Find Place by Name"

2. Listen for the voice prompt, and speak the name of the place. The nūvi repeats the name of the place as it is searching.



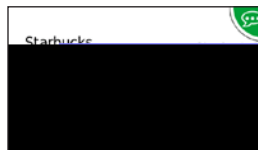
"Starbucks"

3. A list of places appears. Speak the line number of the place you want.



"Line 1"


4. Speak _____ to navigate to the place, or speak _____ to go back to the list of found places.



"Yes"



NOTE: You can only speak the names of very popular, well-known locations. Use the Where To? menu categories to search for other locations.

1. Speak _____ from any screen.
 2. Respond to the prompts to speak or spell the city name, the house number, and the street.
- The nüvi sounds two tones when it enters speech recognition mode.
 - The nüvi sounds two tones when it exits speech recognition mode.
 - The nüvi sounds two quick beeps if it does not recognize your command.
 - A  red speak icon is displayed in the upper-right corner of the screen when the nüvi is not ready for your command. Wait until the icon is green to speak your command.
- Speak commands exactly as they appear on the screen.
 - Respond to voice prompts from the nüvi.
 - To enter numbers, speak the numbers you want to enter. Say **Delete** or **Backspace** to delete the last number. Say **Clear** to delete all numbers.
 - Touch the screen or press the small button on the remote control to exit speech recognition mode.
 - See [page 64](#) for troubleshooting tips.



NOTE: Bluetooth wireless technology is not available on the nüvi 850.

Using Bluetooth wireless technology, your nüvi can connect to your mobile phone to become a hands-free device. To determine whether your mobile phone with Bluetooth technology is compatible with the nüvi, visit www.garmin.com/bluetooth.

Bluetooth wireless technology establishes a wireless link between devices, such as a mobile phone and the nüvi. The first time you use two devices together you must “pair” them by establishing a relationship using a PIN/passkey. After the initial pairing, the two devices can connect automatically each time you turn them on.









NOTE: You might have to set your mobile phone to connect to the nüvi automatically when it is turned on.

To pair and connect, your phone and the nüvi must be turned on and be within 10 meters of each other.

Initiate pairing from your nüvi or from your phone. Refer to your phone instructions.

1. Enable the Bluetooth component on your phone. This might be in a menu called Settings, Bluetooth, Connections, or Hands-free.
2. Initiate a search for Bluetooth devices.
3. Select the nüvi from the list of devices.
4. Enter the nüvi Bluetooth PIN () into your phone.

1. From the Menu page, touch  >
touch  >
touch  >
2. Enable Bluetooth component on your phone and enable Find Me/Discoverable/Visible mode. These settings might be in a Bluetooth, Connections, or Hands-free menu.
3. Touch  on the nüvi.
4. Select your phone, and touch  .
5. Enter the nüvi Bluetooth PIN () in your phone.

When your phone is connected to your nüvi, you are ready to make phone calls. Touch **Hands Free** to access the Hands Free phone menu.




When you turn on the nüvi, it tries to connect to the last phone to which it was connected.



NOTE: Not all phones support all features of the nüvi Hands Free phone menu.



When you get a call, the Incoming Call window opens. Touch **Answer** to answer the call. Touch **Ignore** to ignore the call and stop your phone from ringing.

The internal microphone is in the front of the nüvi; speak normally.

During a call, the  **In Call** icon appears. Touch  > **End Call** to hang up. Touch  > **Call Options** for the following options:

- **Touch Tones**—displays a keypad page so that you can use automated systems, such as voice mail.
- **Transfer Audio To Phone**—this is helpful if you want to turn off the nüvi, but remain on the call or if you need privacy. To switch back, touch **Transfer Audio To Device**.
- **Mute Microphone**.




When you are on a call and you receive a second call (call waiting), the nūvi displays the Incoming Call window. Touch **Answer** to answer the call. The first call is placed on hold.

1. Touch  > .
2. Touch  to hang up. This does not disconnect the call on hold.








From the Menu page, touch **Hands Free** to open the Hands Free phone menu.



Each time your phone connects to the nüvi, your call history is automatically transferred to the nüvi. It can take a few minutes to transfer this data to the nüvi.



1. Touch  > .
2. Touch a category to view those calls. The calls are listed in chronological order. The most-recent calls are at the top of the list.
3. Touch an entry, and touch .

Enter a phone number for your home location so you can quickly call home.

1. Touch  > .
2. Touch  to use the keypad page or  to use  (only available if your phone supports phone book transfer).
3. Touch  > . The nüvi dials your home phone number.



NOTE: To edit your home location or phone number, touch **Where to?** > **Favorites** > **Home** > **Edit**.

1. Touch  > .
2. The nüvi dials your home phone number.

You can place calls by speaking the contact's name.

1. Touch  > .
2. Speak the contact name.



NOTE: You might need to “train” your phone to recognize your voice dial commands. Refer to your phone instructions.

Check your phone's battery level and signal strength by touching **Hands Free** > **Phone Status**.

If your phone supports SMS/text messaging using Bluetooth technology, you can send and receive text messages on the nüvi.

When you get a text message, the Incoming Message window opens. Touch **Review** to open your inbox, or touch **Ignore** to close the window.

1. Touch **>**
2. Select an option to choose the text message recipient.
3. Touch **.**
4. Enter the message, and touch **.**
5. If you want to attach a POI to the message, touch **,** and search for a POI.

6. Touch **or**, if applicable, to send the message.



NOTE: Messages sent from your nüvi do not appear in your phone's outbox.

Location messages contain text and GPS information that other nüvi users can view. Non-nüvi users receive a plain text message with latitude/longitude coordinates.

1. Touch **>**
2. Select an option to choose the text message recipient.
3. Select a type of message to send, such as **or**.
4. Select a location, and then touch **.**
5. Select **to** edit the message, if necessary.
6. Select **to** send the message.



NOTE: Messages sent from your nüvi do not appear in your phone's outbox.

1. Touch **Message** > **Message**.
2. Touch **Listen**, **Reply**, or **Forward**.
3. Touch a message.
4. Select an option.
 - listen to the message.
(You must select a voice personality that speaks street names to listen to SMS/text messages; see [page 48](#).)
 - send this message to another recipient or touch **Reply** to reply to this contact.

Load music files to the internal memory or microSD card. See [pages 32–33](#).

1. Touch **>**
2. Touch **.**
3. Touch a category.
4. To play the entire category from the beginning of the list, touch the first song listed. To play a specific song, touch the title.



- Touch **🔊** to adjust the volume.
- Touch **⏮** to play the current song from the beginning; touch again to play the previous song on the playlist. Touch and hold to rewind through the current song.
- Touch **⏭** to skip to the next song. Touch and hold to fast-forward through the current song.
- Touch **⏸** to pause the song.
- Touch **Repeat** to repeat the current playlist.
- Touch **Shuffle** to play songs in random order.
- Touch the album art to view details about the music file.



TIP: You can rewind and skip through the current song using the song status bar. Touch a point on the status bar to rewind or skip to that point. You can also touch, hold, and drag the status bar to a certain place in the song.

The nüvi supports MP3 and FLAC music files, and M3U and M3U8 playlist files.

Using your nüvi, you can listen to playlists created on your computer. You can also save playlists using your nüvi.






1. While listening to music, touch
> >
> .
2. Enter a name for the playlist, and touch .
1. In the Music Player, touch > >
> .
2. Select a song from a category, and touch .
3. Enter a name, and touch .
4. To add more songs to your new playlist, touch > .

1. Using your computer and an audio program, create a playlist of music files. Save the playlist as an M3U or M3U8 file.





NOTE: You might need to edit the playlist file with a text editor, such as Notepad, to remove the path (link) to the music file. The playlist file should only list the music file names. Refer to the Help file for the audio program.





2. Transfer the playlist and the music files to the nüvi or the microSD drive (see [pages 32–33](#)). The playlist file must be in the same location as the music files.
1. In the Music Player, touch
> . All available playlists appear.
2. Touch a playlist, and touch .







1. In the Music Player, touch 
 - touch 
 - enter a new name, and touch 
 - browse the categories to find and add songs to the playlist.
 - select the songs you want to remove from the playlist, and touch 
 - touch  —delete this playlist.

To purchase books from Audible.com®, go to <http://garmin.audible.com>.

1. Touch  
2. Touch a category, and then touch a book title.



- Touch  to adjust the volume.
- Touch  to skip a section and  to jump back. Press and hold to move forward or backward.
- Touch  to pause the book.
- Touch the book cover art to view more detailed information.

1. On the Audible Player, touch .
 2. Touch .
 3. Enter a name for the bookmark.
 4. Touch .
 5. Touch  to change the bookmark name or delete the bookmark.
-
1. On the Audible Player, touch .
 2. Touch a bookmark.
 3. Touch  to listen to the book from the bookmark.
-
1. Create an Audible.com account at <http://garmin.audible.com>.
 2. Download AudibleManager®.
 3. Open AudibleManager. Follow the on-screen instructions to activate your nüvi (one-time process).
 4. Purchase a book at <http://garmin.audible.com>, and download the book to your computer.

5. Use AudibleManager to transfer the book to your nüvi or microSD card.



TIP: Refer to the AudibleManager Help file for detailed instructions. Touch **Help** > **Help**.

WARNING: Do not attempt to operate or watch video input while operating a vehicle. Driver operation or viewing of video input while the vehicle is moving could cause an accident or collision resulting in property damage, serious injury, or death.



NOTE: There will be black lines around the video image.

To change the Backup Camera settings, see [pages 50–51](#). For more information, visit <http://buy.garmin.com> or contact your Garmin dealer.

Using the optional VIB 10 or VIB 11, you can connect a PAL or NTSC composite reverse/backup camera to the nüvi. Each time you put your vehicle in reverse, the camera shows what is behind you.

Mount the camera according to the instructions from the manufacturer. Install the VIB 10/11 according to the instructions that came in the box.

After installing all the necessary equipment and connecting the nüvi to the VIB 10 or VIB 11, the backup camera video will allow you to see behind your vehicle while in reverse.

You can store files, such as MP3s and JPEG image files, in the internal memory on the nüvi or on a microSD card.



NOTE: The nüvi is not compatible with Windows® 95, 98, Me, or Windows NT®. It is also not compatible with Mac® OS 10.3 and earlier. This is a common limitation of most USB mass storage devices.

- MP3 and FLAC music files: see [page 27](#)
- M3U and M3U8 music playlist files: see [pages 27–29](#)
- AA audio book files: see [page 29](#)
- JPEG, JPG, PNG, BMP, and GIF image files: see [pages 34–35](#)
- GPX maps, routes, and waypoints files from MapSource®: see [page 57](#)
- GPI custom POI files from Garmin's POI Loader: see [page 58](#)

To insert or remove the card, press it in until it clicks.



Connect the mini-USB connector to the side of the nüvi. Connect the larger end of the cable to an available USB port on your computer.



Your nüvi and microSD card appear as removable drives in My Computer on Windows computers and as mounted volumes on Mac computers.



NOTE: Some operating systems or computers with multiple network drives can not display the nüvi drives. See your operating system Help file to learn how to map the drives.

Copy and paste files from your computer into the nüvi drives/volumes.

1. Browse your computer for the file you want to copy.
2. Highlight the file, and touch  .
3. Open the “Garmin” or microSD card drive/volume.
4. Touch  . The file appears in the list of files in the nüvi memory or on the microSD card.

When you are finished transferring files, click the **Eject**  icon in your system tray, or drag the volume icon to the **Trash**  on Mac computers. Unplug your nüvi from your computer.

Download pictures with location information to your nüvi or microSD card for photo navigation. Visit <http://connect.garmin.com/photos> for more information.

Connect the nüvi to your computer, and open the nüvi or microSD card drive/volume. Highlight the file you want to delete, and press the **Delete** key on the computer keyboard.



CAUTION: If you do not know the purpose of a file, do not delete it. Your nüvi memory contains important system files that should not be deleted.

The Tools menu provides many features that are helpful when you are traveling. From the Menu page, touch **Tools** to access the Tools menu.



For information about the settings, see [pages 44–51](#).

Touch **Where Am I?** to view current location information. This feature is helpful if you need to tell emergency personnel your location. Touch a button on the right to view the nearest locations in that category. Touch **Save Location** to save your current location.


For information about routes, see [pages 13–14](#).

Touch **Help** to get information about using your nüvi.

For information about the Music Player, see [pages 27–29](#).

For information about the Audible Player, see [pages 29–30](#).

Use the Picture Viewer to view pictures that you have stored in your nüvi or on a microSD card.

1. Touch  to view the next picture.
2. Touch a picture to view a larger image of it.

3. Touch the arrows to view all the images.

Touch **Slide Show** to start a slide show, which displays each image for a few moments and then displays the next image.

Touch anywhere on the screen to stop the slide show.

If a picture contains location information, touch **Info**, and then touch **Go!** to create a route to it.

See [page 33](#) for more information about loading pictures to your nüvi.

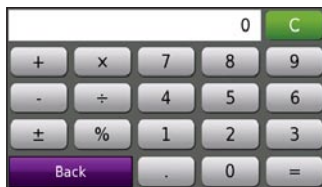
Traffic











You can only access the traffic information if the nüvi is connected to an FM traffic receiver. For more information, see [pages 39–41](#) and www.garmin.com/traffic.





You can access MSN Direct content with an MSN Direct receiver. The MSN Direct receiver is included with the nüvi 880. For more information, visit <http://garmin.msndirect.com> or www.garmin.com/traffic. To purchase an accessory, visit <http://buy.garmin.com>.

Touch **Tools** > **Games** to access multiple games available for your nüvi. Some of the games are trial versions. For game instructions and purchasing information, see www.garmin.com/games.





1. Touch > .



2. Enter the first number of your calculation.
3. Touch an operator.
 - —add a number to an equation.
 - —multiply numbers in an equation.
 - —subtract a number from an equation.
 - —divide by a number.
 - —add a decimal.
 - —make the number negative or positive.
 - —make the number a percent (0.01).
 - —clear the entry.
4. Enter the second number of your calculation.
5. Touch .
6. Touch  to perform a new calculation.

1. Touch .
2. Touch a currency button to change the currency.
3. Select a currency, and touch .
4. Touch the blank rectangle under the currency you want to convert.
5. Enter the number. Touch .
6. Touch  to convert a different value.

The *nüvi* allows you to update the currency conversion rates manually so that you are always using the most current rates.

1. Touch .
2. Touch the rate you want to update.
3. Touch  to erase the current rate. Enter a new rate, and touch .
4. Touch  to finish.



TIP: Touch **Restore** to use the original rate.

You can change the base currency, the currency to which all other currencies are converted.

1. Touch **>**
> **>**
2. Touch the button next to
3. Select a currency as your new base currency.
4. Touch **to finish.**

1. Touch **>**
2. Touch the button below, select a type of measurement, and touch
3. Touch a unit of measure that you want to change.
4. Select a unit of measure, and touch. Repeat if necessary.

5. Touch the blank rectangle to enter a value.
6. Enter a value, and touch. The unit is converted.
7. Touch to perform another conversion.

1. Touch **>**
2. To change a listed city, touch the city.
3. Select an, a, and a (or city). Touch
4. Touch to view a map. Nighttime hours are shown in the shaded area.
5. Touch to view the clocks again, or touch to exit.

You can set an alarm to sound at an appointed time.

1. Touch **>** .
2. Touch **and** to adjust the alarm time.
3. Touch **to turn on the alarm.**

If the nüvi is not turned on at the alarm time, it will turn itself on and sound the alarm.

Touch **Snooze** to turn the alarm off for 10 minutes. Touch **OK** to turn the alarm off until tomorrow.

Much like a paper travel guide, the Garmin Travel Guide provides detailed information about places, such as restaurants and hotels. To purchase an accessory, go to <http://buy.garmin.com> or contact your Garmin dealer.

To use the Travel Guide, insert the microSD card into your nüvi. Touch

Where to? > Extras. Touch the name of your Travel Guide to open it.

With the SaversGuide preprogrammed microSD data card and membership card, your nüvi is a digital coupon book.


To use the SaversGuide, insert the microSD card into your nüvi. Touch **Where to? > Extras > SaversGuide.**


Use this tool to manage and delete your saved data, such as your Favorites. If you have transferred a route from MapSource, touch **Import Route from File** to use that route in your nüvi.

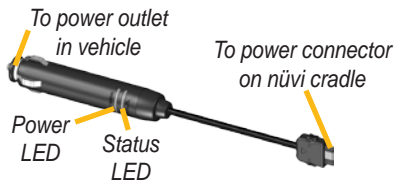
Traffic


The traffic receiver is included in some nüvi packages.

Use an FM TMC (Traffic Message Channel) traffic receiver to receive traffic information that is broadcast over the FM Radio Data System. For information about FM traffic receivers and coverage areas, see www.garmin.com/traffic.

 **NOTE:** Garmin is not responsible for the accuracy of the traffic information. The FM traffic receiver receives signals from the traffic service provider and displays that information on your nüvi.

 **NOTE:** The FM traffic receiver and the nüvi must be in data range of an FM station transmitting TMC data to receive traffic information.



 **NOTE:** If your FM TMC traffic receiver has an antenna with suction cups on it, route the antenna on your windshield vertically using the suction cups.



The green Power LED lights when connected to external power. The Status LED indicates the signal reception:

- **Yellow dot-dash flashes**—determining which country you are currently in.
- **Yellow solid**—searching for signal.
- **Red solid**—momentary sync loss.
- **Green solid**—normal traffic data.



Traffic

Touch **Tools** > **Traffic** to display traffic incidents in your area. Touch **View by Road** to see the incidents on each road in the area. If there is traffic on your route, touch **On My Route** to view details.

Traffic on Your Road



When you are not navigating a route and there is traffic on your road, the Map page displays a traffic icon, such as  or . Touch the icon to view information about the traffic delay.






TIP: The locale you selected at initial startup determines which type of traffic icons are used: diamond-shaped icons () for the North America, and triangular icons () for Europe.

Traffic on Your Route














When calculating your route, the nūvi examines the current traffic and automatically optimizes the route for the shortest time. You might still be routed through traffic if no alternative roads exist. If a severe traffic delay occurs on your route while you are navigating, the nūvi automatically recalculates the route.


The Map page displays  or  when there is traffic on your route. The number in the icon represents the number of minutes the traffic has added to your route, which has been automatically calculated into the arrival time shown on the map.


To avoid traffic on your route:


1. On the Map page, touch  or .
2. Touch  to view traffic delays.
3. Touch .

Traffic Icons

	Road Condition	
	Road Construction	
	Road Closed	
	Slow Traffic	
	Accident	
	Incident	
	Travel Information	

 Green = Low severity—traffic is flowing normally.

 Yellow = Medium severity—traffic is a bit congested.

 Red = High severity—traffic is heavily congested or stopped.

Traffic Subscriptions

See [pages 49–50](#) for information about adding a traffic subscription. For more information about traffic subscriptions, go to www.garmin.com/fmtraffic.



NOTE: You do not need to activate the subscription included with your FM traffic receiver (if it came with one). The subscription activates automatically after your nüvi acquires satellite signals while receiving traffic signals from the pay service provider.





Before using the FM transmitter in your area, see the FM transmitter legal notice on [page 60](#).

If an FM transmitter is available on your nüvi, you can listen to your nüvi audio on an FM stereo.








NOTE: When using the FM transmitter function on the nüvi, any phone calls that you place or receive through the nüvi might be overheard by adjacent vehicles through the FM stereo.

If you are using an FM traffic receiver, the nüvi can select a channel for you.

1. From the Menu page, touch   
2. If you are using a traffic receiver, touch . Then tune your stereo to the selected channel.

If you are not using an FM traffic receiver or you are using an MSN® Direct receiver, select an FM channel for the FM transmitter.

1. From the Menu page, touch   
2. Tune your stereo to an FM channel that has a lot of static and has a low FM frequency number.
3. Touch  and  to select the same frequency to which your stereo is tuned.

For best results, select a frequency below 90.1 FM.

When searching for an appropriate FM frequency on your FM stereo, look for an unused frequency that has steady, consistent static. If you hear slight noises and sounds in the background of the static, select a different frequency.

As you travel, you might need to change the frequency for the FM transmitter. A frequency not used by a radio station in your area might be used by a station elsewhere.

The FM transmitter is intended to transmit nüvi audio to your FM stereo.

Do not adjust your FM settings while you are driving your vehicle.

The distance between the vehicle power cable, the nüvi, and the FM stereo antenna might also affect the noise level. Vehicles with antennas located far away, such as a rear-mounted antenna, might experience more interference from outside noise sources than vehicles with front-mounted antennas.

As you drive, you might notice changes in the background static even though there is no FM station using that channel. You might notice this as you drive through intersections where certain kinds of traffic lights or other municipal electronic systems are operating. You might also notice this effect when the terrain changes, allowing distant stations to be received by your car stereo that were not received when you made your initial frequency selection. These and other sources of electrical interference might make it necessary to look for another frequency.

1. Touch



2. Touch the setting you want to change.

3. Touch the button beside the setting name to change it.

Touch **Tools** > **Settings** > **System**.

GPS Simulator—turn on the simulator to turn off the GPS mode and simulate navigation and/or to save battery power.

Usage Mode—specify how you will be navigating to optimize routes: **Automobile**, **Bicycle**, or **Pedestrian**.

Units—change units of measure to **Kilometers** or **Miles**.

Keyboard—select **QWERTY** for a layout similar to a computer keyboard, or select **ABC** for an alphabetical layout.

Remote—activate new remotes to use with your nüvi or deactivate remotes that are paired with your nüvi. You can have up to two remotes paired with your nüvi at one time.

About—display the nüvi software version number, the unit ID number, and the audio version number. You need this information when you update the system software or purchase additional map data (see page 57).

Restore—restore the system settings.






Touch **Tools** > **Settings** > **Navigation**.

Route Preference—select a preference for calculating your route:

- **Faster Time**—to calculate routes that are faster to drive but can be longer in distance.
- **Shorter Distance**—to calculate routes that are shorter in distance but can take more time to drive.
- **Off Road**—to calculate point-to-point routes (without roads).

Avoidances—select the road types you want to avoid on your routes.

Touch **Custom Avoids** to avoid a specific area or road. Follow the prompts in the text bar at the top of the screen.

1. Touch  
 
 .
2. Touch a custom avoid.
3. Select an option:
 - change the name of the custom avoid.

—select
to include the custom avoid in route calculations. Select to ignore the custom avoid when calculating routes.

—delete the Custom Avoid.

Prompted Detour—select to set a prompted detour for a specific distance or a particular road on the route. With a route active, touch **Detour** on the Menu page to see a list of detours.

Restore—restore the original navigation settings.

Touch **Tools > Settings > Security**.

Safe Mode—turn on or off Safe mode. When your vehicle is moving, Safe mode disables all functions that require significant operator attention and could become a distraction while driving.

Garmin Lock—turn on Garmin Lock™ to lock your nüvi. Enter a 4-digit PIN, and set a security location. For more information, see [page 53](#).

Restore—restore the original security settings. Note that restoring the security settings will not clear your Garmin Lock PIN or Security Location.

Touch **Tools > Settings > Time**.

Time Format—select a 12-hour, 24-hour, or UTC time format.

Time Zone—select a continent, a country, and a region. Touch **Change Continent** and **Change Country** to select new search areas. Use the arrows to scroll through your options.


Restore—restore the original time settings.

Touch **Tools > Settings > Display**.

Backlight Timeout—select the length of time the backlight stays on when the nüvi is not connected to external power.

Adjust Brightness—adjust the backlight brightness level. Reducing the backlight brightness increases your battery life.

Color Mode—select **Day** for a light background, **Night** for a dark background, or **Auto** to automatically switch between the two.

Screen Shot—turn on Screen Shot mode. Touch the  to take a screen shot. The picture bitmap file is saved in the **screenshots** folder on the nüvi drive.

Restore—restore the original display settings.

Touch **Tools > Settings > Map**.

Map Detail—adjust the amount of detail shown on the map. Showing more detail can cause the map to redraw slower.

Map View—select a map perspective.

- **Track Up**—display the map in two dimensions (2D) with your direction of travel at the top.
- **North Up**—display the map in 2D with North at the top.
- **3D View**—display the map in three dimensions (3D) in Track Up.

Vehicle—touch **Change** to change the icon used to display your position on the map. Touch the icon you want to use, and then touch **OK**. Download additional vehicle icons at www.garmin.com/vehicles.

Auto Zoom—turn on Auto Zoom mode to automatically adjust the zoom setting based on your current speed and road type.


Show POIs—show or hide points of interest (POIs) on the map.

Trip Log—show or hide the log of your travels. To clear your trip log, touch **Tools > My Data > Clear Trip Log**.

Map Info—view the maps and the version of each map loaded on your nüvi. Touch a map to enable (check mark) or disable (no check mark) that map.

Restore—restore the original map settings.

Touch **Tools** > **Settings** > **Bluetooth**.

Bluetooth—turn on and off the Bluetooth component. The  **Bluetooth** icon appears on the Menu page if the Bluetooth component is turned on. To prevent a phone from automatically connecting, select **Disabled**.

Phone—select **Add** > **OK** to pair with a phone that has Bluetooth wireless technology. See [pages 21–26](#). Select **Change** to connect with a different phone.

- **Drop**—select the phone you want to disconnect, and touch **Yes**.
- **Delete**—select the phone you want to delete from the nüvi memory, and touch **Yes**.

Phone Help—scroll through the list containing compatible devices. If your phone is not in this list, go to www.garmin.com/bluetooth for more information.

Friendly Name—enter a friendly name that identifies your nüvi on devices with Bluetooth technology. Touch **Done**.

Restore—restore the original Bluetooth settings. This does not clear the pairing information.

Touch **Tools** > **Settings** > **Language**.

Text Language—change all on-screen text to the selected language. Changing the text language does not change the language of user-entered data or map data, such as street names.

Voice Personality—change the language for voice prompts.



NOTE: Pre-recorded voices are not able to provide speech recognition prompts. Select a voice that speaks street names to use the speech recognition prompts and to listen to text messages.

Keyboard—select the keyboard for your language. You can also change the keyboard language mode from any keyboard by touching the **Mode** button.

Speech Recognition Prompt—turn on or off the questions and prompts while in speech recognition mode.

Traffic

The traffic receiver is included with the nüvi 860. Touch **Tools** > **Settings** > **Traffic**.



NOTE: If your traffic receiver has a trial subscription, it does not need to be activated and you do not need to purchase a subscription until the trial subscription expires.

Your FM traffic subscriptions and expiration dates are listed. Touch **Add** to add a subscription.

Auto—select which provider to use. Select **Auto** to use the best provider for the area, or select a specific provider to use.

Search—search for additional TMC traffic providers. To increase the search time, touch **Yes** to clear the provider table.

Subscriptions—view your FM traffic subscriptions and expiration dates. Touch **Add** to add a subscription.

You can purchase additional subscriptions or a renewal if your subscription expires. Go to www.garmin.com/fmtraffic.



NOTE: You do not need to activate the subscription included with your FM traffic receiver (if it came with one). The subscription activates automatically after your nüvi acquires satellite signals while receiving traffic signals from the service provider.

1. From the Menu page, touch **Tools** > **Traffic**.
2. For Non-North American units, touch **Settings** > **Backup Camera**. For North American units, touch **Tools** > **Backup Camera**.
3. Write down the FM traffic receiver unit ID.
4. Go to www.garmin.com/fmtraffic to purchase a subscription and get a 25-character code.
5. Touch **Enter Code** on the nüvi, enter the code, and touch **OK**.

The traffic subscription code cannot be reused. You must obtain a new code each time you renew your service. If you own multiple FM traffic receivers, you must obtain a new code for each receiver.

The nüvi supports NTSC and PAL composite video input. Touch **Tools** > **Settings** > **Backup Camera**.

Switch to Camera—select how the nüvi switches to the backup camera when your vehicle is in reverse.

- **Auto**—automatically switches to backup camera mode when the nüvi detects that your vehicle is in reverse.
- **Prompt**—prompts you to switch to backup camera mode. When the prompt appears, touch **Yes** to view the backup camera.
- **Never**—select to not show the backup camera. This option requires you to select **View Camera** on the Backup Camera page to view the backup camera.

Video Format—select a video input. Select Auto for the nüvi to automatically

detect the video input when connected to the VIB 10 or VIB 11.

Reverse Light Polarity—select **High** for most vehicles. If your backup camera activates when you are not in reverse, the reverse lights might be sending a low-voltage signal to your nüvi. If this occurs, select **Low**. Contact the vehicle manufacturer for polarity information.


View Camera—select to view the backup camera on your nüvi. To return to the backup camera settings while the video is playing, touch anywhere on the screen.

Restore—restore the original backup camera settings.

You must have proximity points (such as custom POIs, a safety camera database, or a TourGuide®) loaded to adjust the proximity points settings. See [page 58](#).

Touch **Tools > Settings > Proximity Points**.

Proximity Alerts—turn on or off the alerts when you approach custom POIs or safety cameras.

TourGuide—set how you want the audio for TourGuide to be activated. Select **Auto Play** to hear the complete tour as programmed; **Prompted** to show the speaker icon  on the map when tour information is available during your route; or **Off**.

Restore—restore the proximity points settings.

1. Touch **>** **.**
2. Touch **.**
3. Touch **.**

Your nüvi contains sensitive electronic components that can be permanently damaged if exposed to excessive shock or vibration. To minimize the risk of damage to your nüvi, avoid dropping your unit and operating it in high-shock and high-vibration environments.




The nüvi is constructed of high-quality materials and does not require user maintenance other than cleaning. Clean the outer casing of the unit (not the touch screen) using a cloth dampened with a mild detergent solution, and then wipe dry. Avoid chemical cleaners and solvents that can damage plastic components.

Clean the touch screen with a soft, clean, lint-free cloth. Use water, isopropyl alcohol, or eyeglass cleaner, if needed. Apply the liquid to the cloth, and then gently wipe the touch screen.

- Do not store the nüvi where prolonged exposure to extreme temperatures can occur, because it can cause permanent damage.
- Do not expose the nüvi to water. Contact with water can cause this unit to malfunction.
- Although a PDA stylus can be used to operate the touch screen, never attempt this while operating a vehicle. Never use a hard or sharp object to operate the touch screen because damage might result.

- To avoid theft, remove the unit and mount from sight when not in use. Remove the residue left on the windshield by the suction cup.
- Do not keep your unit in the glove compartment.
- Register your product at <http://my.garmin.com>.
- Use the Garmin Lock feature. See below for more information.

Garmin Lock™ is a theft-deterrent system that locks your nüvi. Each time you turn on the nüvi, enter the PIN or drive to the security location.

1. Touch   .
2. Touch the button below 
3. Enter a 4-digit PIN and drive to a security location.

Your security location should be a location you return to often, such as your home. If the nüvi has satellite signals and you are at the security location, you do not need to enter the PIN.



NOTE: If you forget your PIN and your security location, you must send your nüvi to Garmin to get it unlocked. You must also send a valid product registration or proof of purchase.

If the touch screen is not responding properly, calibrate the touch screen. Slide the **Power** key to the left and hold it for 8 seconds. Release the **Power** key, and press your finger to the screen. Hold your finger on the screen for about 30 seconds until the calibration screen appears (white screen with “Press dot”).

If the nüvi stops functioning, turn it off and on again. If the problem persists, slide the **Power** key to the left and hold it there for a minimum of 8 seconds. The nüvi should operate normally.


You can also remove and then reinstall the battery to reset the nüvi.

1. Go to www.garmin.com/products/webupdater and download WebUpdater to your computer.
2. Connect the nüvi to your computer using the mini-USB cable.
3. Run WebUpdater, and follow the on-screen instructions.

After confirming that you want to perform an update, WebUpdater automatically downloads the update and installs it on your nüvi.




CAUTION: This deletes all user-entered information.

1. Turn on your nüvi.
2. Press your finger on the lower-right corner of the screen when the status bar appears under the Garmin logo.
3. Keep your finger pressed until the prompt appears.
4. Touch  to clear all user data.

All original settings are restored. Any items that you have saved are erased.

Your nüvi contains a user-replaceable, lithium-ion battery. To maximize the lifetime of the battery, do not leave your nüvi in direct sunlight, and avoid prolonged exposure to excessive heat.

The  battery icon in the corner of the Menu page indicates the status of the nüvi battery. To increase the accuracy of the battery gauge, fully discharge the

battery and then fully charge it. Do not unplug the nüvi until it is totally charged.

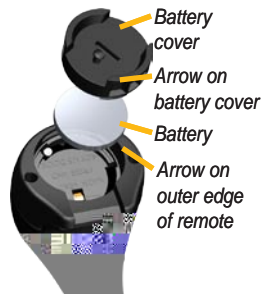
You can also use the Suspend/Resume mode to put your nüvi in “sleep” mode and to quickly wake it up. With your nüvi powered on, slide the **Power** key to the left. Operation is suspended. Slide the **Power** key to the left again to resume operation.

To completely turn off your nüvi, remove the battery.

If you need to replace the battery in the nüvi, use a Garmin lithium-ion battery 010-10987-03. Purchase a replacement battery at <http://buy.garmin.com>. Contact your local waste disposal department for information about properly disposing of the battery.

The remote control contains a user-replaceable CR2032 battery.

1. Use a coin to twist the cover counterclockwise until open.
2. Insert the round lithium coin CR2032 battery into the remote control with the positive side facing up.



3. Align the arrow on the battery cover with the arrow on the outer edge of the remote.
4. Use a coin to twist the cover clockwise until closed.



NOTE: Contact your local waste disposal department to properly dispose of batteries.

Replaceable coin cell batteries can contain perchlorate material. Special handling could apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

- Use the vehicle power cable.
- Use the USB cable.
- Use an optional AC adapter cable.



CAUTION: When replacing the fuse, do not lose any of the small pieces and make sure they are put back in the proper place.

If your unit will not charge in your vehicle, you might need to replace the fuse located at the tip of the vehicle adapter.

1. Unscrew the black, round end piece, and remove it.

2. Remove the fuse (glass and silver cylinder), and replace it with a 3 A fast-blow fuse.



3. Ensure that the silver tip is placed in the black end piece. Screw on the black end piece.

To remove the nüvi from the cradle, press the button on the bottom of the cradle up, and tilt the nüvi forward.

To remove the cradle from the mount, turn the cradle to the right or left. Apply pressure in that direction until the cradle snaps off the mount.

To remove the suction cup mount from the windshield, flip the lever toward you. Pull the tab on the suction cup toward you.

For more information about optional accessories, visit <http://buy.garmin.com> or www.garmin.com/extras, or contact your Garmin dealer.

Check your local laws and regulations before using these features. Garmin is not responsible for the accuracy of, or the consequences of using, a custom POI or safety camera database.



Safety camera information is available in some locations. Check <http://my.garmin.com> for availability. For these locations, the nüvi includes the locations of hundreds of safety cameras. Your nüvi alerts you when you are approaching a safety camera and can warn you if

To delete the Custom POIs from your nüvi, connect your nüvi to your computer. Open the **Garmin\poi** folder in the nüvi drive or the microSD card drive. Delete the file titled **poi.gpi**.

The TourGuide allows your nüvi to play third-party, GPS-guided audio tours. These audio tours can take you on a route while playing interesting facts about historical sites along the way. For more information, go to www.garmin.com/extras, and click **POI Loader**.

To view your TourGuide files, touch **Where to? > Extras > Custom POIs**. To change the TourGuide settings, touch **Tools > Settings > Proximity Points > TourGuide**.

Your nüvi must acquire GPS (Global Positioning System) satellite signals in order to navigate. If you are indoors, near tall buildings or trees, or in a parking garage, your nüvi cannot acquire satellites. Go outside to an area free from tall obstructions to use your nüvi.

When your nüvi has acquired satellite signals, the signal strength bars on the Menu page are green . When it loses satellite signals, the bars turn red or clear .

For more information about GPS, go to www.garmin.com/aboutGPS.

Hereby, Garmin declares that this nüvi product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. To view the full Declaration of Conformity,

visit the Web site for your Garmin product at www.garmin.com.

See www.garmin.com/fm-notice for more information.

Your nüvi product contains an FM transmitter. Read the following notices.

Use of FM transmitters is currently illegal in certain European countries due to specific radio frequency restrictions. You must check the local regulations in all European countries in which you intend to use the FM transmitter to ensure its legality. You accept full responsibility for complying with all such laws and regulations applicable in your particular country of operation. Garmin disclaims all responsibility for your failure to follow local laws and regulations.

While use of FM transmitters is legal in the United States, the allowable output power for FM transmitters is lower in the United States than it is in those European countries that allow FM transmitters. The nüvi models sold in Europe contain the higher powered European FM transmitter and cannot be legally used in the United States. You accept full responsibility for complying with all such laws and regulations applicable in your particular country of operation. You must disable the FM transmitter before using your European model nüvi in the United States.

BY USING THE nüvi, 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 or 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.

Specifications

Physical size: 4.9" × 3.1" × 0.7" (125 mm W × 78.7 mm H × 18 mm D)

Weight: 6.2 oz. (176 g)

Display: 4.3" diagonal, 480 × 272 pixels; 64K colors; bright WQVGA TFT landscape display; white backlight; touch screen

Case: Not waterproof (IPX0)

Operating temperature range:
32°F–140°F (0°C–60°C)

Charging temperature range:
32°F–113°F (0°C–45°C)

Data storage: Internal memory and optional removable microSD card. Data stored indefinitely.

Computer interface: USB 2.0 high speed (480 Mbit) mass storage, plug-and-play

Operating system: Linux®

Headphone jack: Standard 3.5 mm

Charge time: Approximately 4 hours

Power input: Vehicle power using included vehicle power cable or AC power using an optional accessory

Usage: 10 W max.

Battery life: up to 4 hours

Battery type: User-replaceable rechargeable lithium-ion battery

Replacement battery for nüvi: Garmin lithium-ion battery 010-10987-03

Replacement battery for remote:
CR2032

GPS receiver: High-sensitivity, WAAS-enabled

Acquisition times*:









Warm: <1 sec


















Cold: <38 sec

Factory Reset: <45 sec

*Average acquisition times for a stationary receiver with a clear view of the sky.

My nüvi never gets satellite signals.	Take your nüvi out of parking garages and away from tall buildings and trees. Remain stationary for several minutes.
The suction cup will not stay on my windshield.	Clean the suction cup and windshield with rubbing alcohol. Dry with a clean, dry cloth. Mount the suction cup as described on page 2 .
My nüvi does not charge in my vehicle.	Check the fuse in the vehicle power cable. Ensure the vehicle is turned on and is supplying power to the power outlet. See page 56 . Your nüvi can only charge between 32°F and 113°F (0°C and 45°C). If the nüvi is placed in direct sunlight or in a hot environment, it cannot charge.
My battery does not stay charged for very long.	To maximize the time between charges, turn down the backlight. Touch > > > To avoid draining the battery, remove the battery when your nüvi is not in use.
My battery gauge does not seem accurate.	Allow the unit to fully discharge, and then fully charge it (without interrupting the charge cycle).
How do I clear all my user data?	Hold your finger on the lower-right corner of the nüvi screen while it is turning on. Keep your finger pressed until the message appears. Touch to clear all user data.
The nüvi is locked up/frozen.	If the nüvi screen stops functioning, turn the nüvi off and on again. If this does not help, slide the key to the left and hold it for 8 seconds. Turn the nüvi back on. The nüvi should operate normally.
The touch screen is not responding to my touches properly.	Slide the key to the left and hold it for 8 seconds. Release the key, and press your finger to the screen. Hold your finger on the screen for about 30 seconds until the calibration screen appears (white screen with “Press dot”).

I cannot get traffic information.	<p>Verify that you are in a coverage area. You must be in a coverage area to get the traffic information for that area.</p> <p>Verify that the FM TMC Traffic receiver is connected to the power connector on the cradle and also connected to a power outlet in your vehicle. (The traffic receiver is included in some nüvi packages.)</p>
The nüvi does not go into speech recognition mode.	<p>Verify that the remote control is activated ( >  >  > ).</p> <p>Replace the battery in the remote control. See page 55.</p>
The nüvi does not understand my spoken commands.	<p>Speak slowly and clearly, and eliminate as much background noise as possible. Stop conversations, and turn down the radio volume.</p> <p>Mount the nüvi in your car in a location that is free from excessive vibrations and away from obvious noise sources.</p>
Can I use an external microphone to speak to my nüvi?	<p>Yes. In extremely noisy environments, an external microphone can be used to improve speech recognition performance.</p>
My phone will not connect to the nüvi.	<p>Touch  >  . Verify that the Bluetooth field is set to  .</p> <p>Make sure your phone is turned on and is less than 10 meters (about 33 feet) away from your nüvi.</p> <p>See www.garmin.com/bluetooth for more help.</p>
How do I know my nüvi is in USB mass storage mode?	<p>When your nüvi is in USB mass storage mode, a picture of a nüvi connected to a computer is shown. Also, you should see two new removable disk drives listed in  .</p>

My computer never senses that the nüvi is connected.	<ol style="list-style-type: none"> 1. Unplug the USB cable from your computer. 2. Turn the nüvi off. 3. Plug the USB cable into a USB port on your computer and into your nüvi. The nüvi automatically turns on and goes into USB mass storage mode. <p>Ensure your nüvi is connected to a USB port and not a USB hub.</p>
I cannot see any new removable drives in my list of drives.	If you have several network drives mapped on your computer, Windows can have trouble assigning drive letters to your nüvi drives. See your operating system Help file to learn how to map or assign drive letters.
How can I find restaurants near the hotel I will be staying at in the future?	<ol style="list-style-type: none"> 1. Touch   (and enter your vacation destination). 2. Find the hotel and touch . 3. Touch  . 4. Search for a restaurant. Restaurants nearest your hotel are listed first. <p>You can also use the GPS Simulator ( ).</p>
How can I find my car in a parking lot?	Touch     to put the nüvi in Off Road mode. Touch    . Navigate to your car!
My backup camera turns on when my vehicle is not in reverse.	The reverse lights on your vehicle could be sending a low-voltage signal to your nüvi. Touch   . Select the Reverse Light Polarity option, and touch  .

- 2-D, 3-D map view 47
- accessories 58
- acquiring satellites 4
- additional maps 57
- alarm clock 37
- alerts
 - proximity 51
 - safety camera 58
- anti-theft feature 46, 53
- attaching a photo to a
 - location 11
- audible books 29
- audio output 1, 42–43
- audio version 44
- auto tune 42
- avoiding
 - road types 45
 - theft 53
 - traffic 40, 41
- background color 46
- backup camera 50
- battery information 54
 - installing in nüvi 2
 - replacing in nüvi 55
 - replacing in remote control 55
- bicycle navigation 44
- Bluetooth technology 21–26
 - deleting a phone 48
 - pairing with phone 21
 - settings 48
- bookmarks 30
- books 29
- brightness 46
- browsing the map 12
- calculator 35
- call
 - answering 22
 - call waiting 23
 - hanging up 22
 - history 24
 - home 24
 - muting 22
- caring for your nüvi 52
- charging your nüvi 56, 63
- computer connection 32
- converting
 - currency 36
 - units 37
- coordinates 12
- cradle 2
- currency, converting 36
- current location, save 10

- Favorites 10, 11
- files 32–33
 - deleting 33
 - managing 32–33
 - supported types 32
 - transferring 32–33
- finding places 5
 - by address 8
 - by name 9
 - by postal code 8
 - near another location 14
 - recent selections 10
 - saved places (Favorites) 11
 - using photos 11–12
- FM traffic receiver 39–41
- FM transmitter 42–43
 - legal information 60
 - setup 42
- fuse, changing 56
- Garmin Lock 46, 53
- geocaching 12
- Go! page options 8
- go home 10
- GPS 4
 - about GPS 59
 - off/on 44
- hands free phone features 21–26
- headphone jack 1, 62
- Help 34
- home
 - location 9
 - phone number 24
- incoming call 22
- keyboard 9
 - language mode 9, 49
 - layout 44
- kilometers 44
- Last Position 11, 65
- legal notice, FM transmitter 60
- lithium-ion battery 54, 62
- location message 25
- locking
 - screen 1, 7
 - the nüvi 53
- M3U playlist format 28
- map
 - adding 57
 - browsing 12
 - customizing 47
 - detail level 47
 - enabling detail maps 47
 - Map Info button 47
 - moving 12
 - updating 57
 - version 47
 - viewing 47
 - zooming 12
- MapSource 57
- max speed, reset 16
- measurements, converting 37
- media player 27–31
- Menu page 4
- microSD card 32, 62
 - slot 1
- miles 44
- mini-USB connector 1
- mounting 2
 - on dashboard 57
 - removing from mount 56
- MP3 music files
 - loading 32
 - playing 27
- music 27

Index

- mute
 - audio 7
 - phone call 22
- My Data 38
- myGarmin i

- navigation 6
 - mode 44
 - settings 44
- Next Turn page 16

- off road, routing 14, 45
- on-screen keyboard 9
- on-unit Help 34
- output, audio 7
 - headphone jack 1, 62
 - vehicle speakers 42

- pairing a mobile phone 21, 22
- Panoramio pictures 11
- pedestrian navigation mode 14, 44
- phone book 23
- photo navigation 11–12
 - loading pictures 33
- pictures 34

- PIN
 - Bluetooth 21
 - Garmin Lock 53
- playlist 28
 - creating 28
 - editing 29
 - from a computer 28
 - playing 28
 - saving current 28
- Points of Interest (POIs)
 - viewing 47
- position icon 15, 47
- Power key 1
- prompted detour 45
- proximity alerts 51

- QWERTY keyboard 44

- recently found locations 10
- registering 53
- remote control 17
 - activating 17
 - mounting 3
- removing the mount 56
- resetting
 - the max speed 16
 - the trip data 16
 - your nüvi 54

- routes 13–14
 - adding a stop 6
 - following 6
 - importing 38
 - mode 44
 - off road 45
 - preferences 44
 - simulating 44
 - stopping 7

- Safe mode 45
- safety camera database 58
- satellite signals 4, 59
- SaversGuide 38
- saving
 - places you find 8, 11
 - your current location 10, 12, 34
- school zone database 58
- screen
 - brightness 46
 - lock 1, 7
 - screen shots 46
- search area 14
- security location 53
- security settings 45
- settings 44–51
 - restoring 51
- setting your location 12

- simulating a route 44
- SMS 25
- software license agreement 61
- software update 54
- software version 44
- specifications 62
- speech recognition 7, 17–20
 - icons and tones 20
 - shortcut commands 18
 - tips for using 20
- speed limit icon 15
- storing the nüvi 52
- suction cup mount 2
- supported file types 32
- system settings 44

- text language 49
- text message 25
- time settings 46
- time zone 46
- Tools 34–38
- touch screen
 - calibrating 53, 63
 - cleaning 52
 - settings 46
- TourGuide 51, 59
- Track Up 47

- traffic 39–41
 - adding traffic
 - subscriptions 49
 - avoiding 40
 - incidents 40
- transferring files 32–33
- Travel Guide 58
- Trip Computer page 16
- trip data, reset 16
- trip log 47
- troubleshooting 63
- turn-by-turn directions 16

- unit ID 44
- units, convert 37
- updating
 - maps 57
 - software 53
- usage mode 44
- USB 32
 - eject 33
 - mass storage mode 32–33
 - troubleshooting 63
- user data, delete 54

- vehicle icon 15, 47
- via point, adding 6
- video input 50–51

- voice dial 24
- voice language 48
- voice mail 22
- volume 7

- walking route 14, 44
- WebUpdater 54
- Where Am I? 34
- Where to? 8–14;
 See finding places
- world clock 37

- zoom 12, 47



© 2008 Garmin Ltd. or its subsidiaries

Garmin International, Inc.
1200 East 151st Street, Olathe, Kansas 66062, USA

Garmin (Europe) Ltd.
Liberty House, Hounsdown Business Park, Southampton, Hampshire, SO40 9RB, UK

Garmin Corporation
No. 68, Jangshu 2nd Road, Shijr, Taipei County, Taiwan

www.garmin.com

Part Number 190-00847-00 Rev. B