Software License Agreement

BY Using THE iQue™3600, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE FOLLOWING SOFTWARE LICENSE AGREEMENT. PLEASE READ THIS AGREEMENT CAREFULLY.

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The iQue™ 3600 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 iQue™ 3600 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 operate this device under Part 15 regulations.
**CAUTION:** Use the iQue™ 3600 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 iQue™ 3600 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.

**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 iQue™ 3600 is a precision electronic NAVigation AID (NAVAID), any NAVAID can be misused or misinterpreted and, therefore, become unsafe.

**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.
iQue™ 3600

Introduction

Warnings and Precautions

Important

Because the Garmin iQue handheld can be used for vehicular navigation, important safety considerations must be observed. Please read and observe the instructions on this page.

Safety Warnings and Cautions—Read This First!

WARNING: For use in vehicles, it is the sole responsibility of the owner/operator of the iQue™ 3600 handheld to place and secure the unit so that it will not interfere with the vehicle operating controls and safety devices, obstruct the driver's view of driving conditions, or cause damage or personal injury in the event of an accident.

Do not mount the iQue handheld over airbag panels or in the field of airbag deployment. Airbags expand with a rapid 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 mount the iQue handheld in a place where the driver or passengers are likely to impact it in a collision. The mounting hardware provided by Garmin is not warranted against collision damage or the consequences thereof.

WARNING: When used in vehicles, it is 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 iQue handheld to the exclusion of safe driving practices. It is unsafe to operate the controls of the iQue handheld while you are driving. Failure by the driver of a vehicle equipped with an iQue handheld to pay full attention to operation of the vehicle and road conditions while the vehicle is in motion could result in an accident with property damage and personal injury.
Introduction

The Garmin iQue™ 3600 handheld is designed to use Garmin GPS technology integrated with the Palm OS® (Operating System) to not only manage your personal data but to provide you with navigational guidance, voice recording and an audio player. Your iQue handheld comes with three manuals.

“Read This First” - SetUp Guide

The SetUp Guide gives you computer connection and software installation instructions, and other important details. Before reading the other manuals, read the SetUp Guide which is printed on the Installation CD case.

Operating Instructions

The Operating Instructions manual describes all you need to know about how to use your iQue handheld and the applications that come with it. (Available only on the Installation CD.)

This manual shows you how to:
- Turn On and Off your iQue handheld, reset the iQue handheld, and enter data in greater detail.
- Use the HotSync® operation with your computer.
- Exchange data with another handheld using infrared beaming or Data Card media.
- Personalize your iQue handheld with your own setting preferences.
- Back-up data or transfer data into a different iQue handheld, maintain your iQue handheld and other technical information.

Que Applications Guide

This Applications Guide describes how to use the installed Que™ add-on applications used for:
- Navigation
- Voice Recording (.WAV format)
- Playing .MP3 and .WAV format Audio Files
iQue™ 3600
Introduction

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1:02 am

Audio Clock Find

Tracks Trip Turns

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Using the Que-Applications Hard Button

Pressing the Que™ “Hard” Button on the front of your iQue™ handheld allows you to quickly access selected Applications. Use the Que “Hard” Button to:

• Quickly access and display Applications
• Re-activate the iQue when in the “Auto-Off” mode.

Choosing Que applications to display using the Que Button:

1. Tap the Prefs application icon to display the Preferences page.
2. Tap the ▼ symbol in the Menu bar at the top of the page to display the pick list of preferences and select Que.
3. Tap the ▼ symbol next to the option below the “Preferences” title block to display a list of Que preferences and then tap Que Button to display the Que Button options check list.
4. Use the stylus to place a check in the boxes for the Que applications you desire to cycle through.
5. Use the arrows to change the order of the Que Applications. The application at the top of the list displays first.

Choosing other applications to display using the Que Button:

While the Que button is designed for quick access to navigation applications, it can be used to display any application on the list.

1. Tap the Prefs application to display the Preferences page.
2. Tap the ▼ symbol preceeding the text at the top of the page to display the pick list of options. Then tap the Buttons option to display the button customizing page.
3. Tap the ▼ symbol next to the Que Button to display the list of Applications to choose from.
Using QueGPS

QueGPS is an information type application that displays the current status of satellite reception by showing the location and numbers of the satellites in the sky overhead. A signal strength bar at the bottom of the page shows the signal strength of each satellite being received.

Use QueGPS to:
- Observe the status of GPS satellite signal reception.
- View the current date and time.
- Determine your current location coordinates and their accuracy.
- Determine your current speed.
- Determine your approximate elevation (altitude above mean sea level).
To view the QueGPS Application Satellite Status Page:

1. Tap the HOME icon to display the applications launcher, then tap the QueGPS icon.
2. Or, simply tap the GPS Status Area in the center of the Applications Status Bar.

At the top of the Satellite Status Page is a message containing the status of the GPS receiver and a sky view array on the left side representing the position of satellites in the sky overhead with your position in the center of the two circles. The outer circle indicates the horizon while the inner circle a position 45° from the horizon. The numbers displayed indicate the number assigned to those satellites.

A bar graph at the bottom of the page displays the strength of signals being received from each satellite. An “Acquiring Satellites” message is displayed until at least three satellites with sufficient signal strength have been received. When the GPS receiver has determined its location, a “2D” message appears and your location coordinates display at the top of the left hand column.

On the right, the date and time displays, and if you are moving, your current speed displays as well.

When you have sufficient signals from four or more satellites, a “3D GPS Location” message appears and the approximate elevation also displays at the bottom of the column.

The accuracy of your current position displays at the bottom of the list. All of this information continues to update as you navigate.
GPS Receiver Status

Acquiring Satellites

Receiving Satellites (Ready to Navigate)

GPS turned Off (Conserves Battery Power)

The GPS Receiver Status: On, Off or Acquiring Satellites

The GPS Receiver can be in three states, On, Off, or Acquiring for enough satellite signals to determine its location.

To determine the GPS Status at a glance:

1. Observe the small color window at the center of your handheld status bar.
2. When GPS is On and searching for satellite signals, the window will appear as shown in the top left illustration.
3. When enough satellite signals are being received to establish a location fix, the window will appear as shown in the middle left illustration.
4. When the Antenna is closed and the GPS is Off, the window will display a sky with no satellites.

It is IMPORTANT to remember that whenever the antenna is not in the fully closed position, that the GPS receiver is operating.

The GPS receiver can, from time to time, lose satellite signals due to interference from tree cover, buildings, etc., so monitoring the GPS Status Window from time to time is recommended. If you don't want the GPS Receiver On, and particularly when indoors, keep the antenna closed!

You can tap the Satellite Status window at any time to display the QueGPS application and view satellite status in detail.
To use QueGPS Options:
1. Tap the QueGPS application tab or the Menu icon to display the Options Menu.
2. Observe the list of options:
   • Tap Preferences to display the GPS preference options.
   • When in 2D mode, tap New Elevation to reset the elevation.
   • Tap New Location when initializing the GPS Receiver if you have moved over 600 miles from your last use location or if you have not powered up the unit in over thirty days.

To use QueGPS Preferences:
1. Tap the Preferences option to display the GPS Preferences Menu.
2. Observe the list of options with check boxes:
   • Tap WAAS Enabled to enable the Wide Area Augmentation System operating mode. (See Additional Information about WAAS on page 53.)
   • Tap Battery Saver to change the rate at which the GPS receiver updates your position data to conserve battery power. The GPS receiver slows the frequency at which it calculates your location and therefore requires less battery power with the result being a slight loss in position accuracy. The GPS is turned completely Off when the antenna is fully closed.

You cannot operate in the WAAS and Battery Saver modes at the same time. If you attempt to check both boxes, a message will display and the last option checked will remain on after you tap the message "OK."
New Location

The GPS Receiver must be re-initialized (given an opportunity to determine its location) if you have moved more than 600 miles from your original location. To speed up this process, you can use the map to mark your approximate location. This must be selected before the iQue™ handheld has determined your location on its own.

To establish a New Location:

1. Tap the **New Location** option to display the “New Location” window. Tap either **Automatic** or **Use Map**.
2. If you choose **Use Map**, use the stylus to pan the map to your current general location and tap it to place a new location arrow there.
3. Tap the **Done** button to complete initialization.

New Elevation

The GPS Receiver can determine your approximate elevation, but it isn’t as accurate as your horizontal location. If you have a reliable alternate source for determining your elevation, you can enter that information in the “New Elevation” dialog window, but only before the receiver determines your location.

To enter a New Elevation:

1. Tap the **New Elevation** option to display the “New Elevation” page.
2. Use the Graffiti® 2 input area to enter the new elevation.
3. Then tap the **OK** button to return to the QueGPS application.
Using QueMap

The QueMap application displays a detailed map of the area surrounding your current location. It allows you to pan the map with the stylus as well as view your progress when navigating. Your current location is shown as a solid black arrow. When in the “Track Up” mode, a north reference arrow appears at the top left corner to orient the map. When the Track Log feature is active, your path of movement is indicated by a dotted Track line.

Use QueMap to:
- Determine your current location
- View your progress while moving
- Locate and navigate to nearby map items
- Follow a route line when navigating
- Highlight and view information about locations on the map

To use the QueMap Application:

1. Press the Que applications button on the front of the handheld to display QueMap, or use the Applications Launcher and tap the QueMap icon to display the Map Page.

Viewing the Map Page

The Map Page is the primary feature of the QueMap application. From this page you can observe a triangular arrow that indicates your current location and direction of travel. As you move, the arrow moves with you, turning when you turn and stopping when you stop.
Using QueMap

The Map also displays detailed geographic information such as highways and roads, lakes and rivers, cities, waypoints and residential streets, depending on the detail of map data being used. Detailed maps can loaded from map data CDs using the MapInstall feature as explained on page 49 of this guide.

There two options: North Up and Track Up. North Up orients the map like a paper map, while Track Up orients the map in the direction of travel. As you travel to the edge of the display, the map moves (redraws) to constantly show your current location. When using “Track Up”, the North arrow indicates the map orientation.

When the “Pan Map with Stylus” mode is selected, dragging the stylus across the screen causes the map to pan with the movement of the stylus.

Tapping the stylus on the map places a map pointer on any selected location on the map. If that location is supported by detailed mapping data a description will display, briefly. Any point on the map can be saved as a waypoint by tapping the Waypoint Marker Flag in the map toolbar.

The map color can automatically compensate for the difference in day and night lighting conditions. See QueMap preferences on page 11.

The map scale can be changed to show more map area with less detail or more map detail with less area. Rotating the Thumb Wheel on the side of the iQue™ handheld up or down or pressing the Up and Down keys on the front of the unit increases or decreases the scale in single increments. To move to a specific scale, use the Map Scale Selector mode.
Using the QueMap Application Selector Icons

With QueMap displayed tap the desired selector to activate the feature as described below:

- Tap the Display Format icon on the map toolbar to toggle between displaying and hiding the navigation data fields.

- Tap the Waypoint Marker Flag on the map toolbar to display the “Mark Waypoint” entry window for your current location (Position Arrow) or a “New Waypoint” entry window for the Map Pointer. The window will display with a name describing the location if identified as an item in the map data or as Waypoint 1, 2, 3 etc.

- Tap the Information icon to display information about a location identified by the Map Pointer on the Map Page. When tapped, an information window displays describing the location if identified as an item in the map data or a position coordinates (i.e. lat/lon).

- Tap the Position Arrow icon (vehicle pointer) to center the map on your current location.
Using QueMap

Tap the View Area icon to allow you to define an area on the map with the stylus that will be enlarged when you lift the stylus from the screen. Select a point adjacent to the area you want to enlarge and then drag the stylus to create a box around the area. Lift the stylus to complete, allowing the map to redraw. Note that, when the View Area Selector is active the Pan Map feature is not usable.

Tap the Pan Map icon to allow the stylus to drag the map and to mark map items with the map pointer (Panning Arrow). Place the stylus anywhere on the map and then move the stylus. The map moves with the stylus and exposes the part of the map previously out of view. Lift the stylus to stop panning.

Tap the Map Scale icon to display the list of map scales. Drag the arrow to scroll through the entire list of scales. Tap the scale you want and the map will display at that scale.
Using Preferences for QueMap

Use Maps Preferences to:

- Reduce “Map Clutter” by controlling how items are displayed.
- Set the maximum Zoom scale at which map items display.
- Control the display of multiple map features.

The factory (default) settings for these preferences allow you to operate the QueMap application with confidence. As you become more familiar with its operation, you may desire to customize the application to fit your needs.

Each preference window is provided with a “Help” button to explain preference settings in detail. These pages provide an overview of the preferences available.

Map Preferences Pages are accessed by tapping the ▼ symbol to the right of the Maps option to display the list of map preferences.
Using QueMap

Topographic Information

Navigation

Miscellaneous

Detailed Maps

Location

In all preferences, tapping the Help button will provide detailed information about those preferences.

For more information about Heading, Course and Bearing lines, consult the Garmin web site at www.garmin.com/aboutGPS/.

Detailed map information preferences can be set to display selected detailed maps stored in the iQue or on a Secure Digital Card. See page 49 for more information on detailed map MapInstall procedures.

The Miscellaneous preference options provide check boxes to allow you to turn on or off some features as you prefer. You may want to experiment with such features as Auto-Zoom (sets the maximum scale for display of map items in conjunction with the map detail setting), Accuracy Circle (defines your location within the confines of the circle. Circle size is determined by map resolution and GPS receiver accuracy), and Basemap to determine your preferences.

Location Formats and Map Datums

While Location preferences are not a part of Map Preferences, you may want to reset them to match those on paper maps that you plan to use in conjunction with GPS navigation.

You can display position coordinates using specific formats and datums selected from the Que Preferences, Location options. Detailed information about how to use formats and datums can be found on page 55.
Using QueFind

The QueFind Application displays lists of geographic points in the map database and downloaded detailed maps.

Use the QueFind application to:

• Use existing lists of map data items such as Waypoints, Cities, and Points of Interest to find desired destinations and navigate to them using the QueRoutes application.
• Find items contained in the map data and in the Address Book.
• View details about items, such as addresses and telephone numbers.
• Find items to use as a destination for a route.

To open the QueFind Application:

1. Tap the magnifying glass icon on the status bar or next to the Graffiti® 2 input area.
2. Or... use the Application Launcher and tap the QueFind icon.

Once the QueFind application is displayed, tap the icon of the category in which you want to find items.
Searching for Find Items
To select and view an item from a QueFind category:

1. Once you have selected a category from the display of Find icons, the Find items list is displayed.

2. You may choose a search method for an item using Near Current Location, By Name, or Near Other options.

   If the map pointer is present on the map page, Near Map Pointer is available to allow you to search for items near the map pointer. If on an active route, Near Route Destination is available.

3. You can shorten your search list by entering the name of the item at the top of the page in the “Name” or “Containing” field.

4. When the list is displayed, highlight a single item.

5. Then tap Details to display an information page that provides a map showing the item location, the distance from your current location, the item name along with item type, address and phone number (if available). Tap the Done icon to return to the list or the Save Waypoint button to save it on the Waypoints list.

6. Tap Route to generate a route to this item.

7. Tap Done to return to the previous QueFind page.
Finding Cities

To select a city from the Cities List:
1. Tap the QueFind icon then tap Cities to view the Cities List.
2. You may choose the search method to select Nearest Current Location or By Name options.
   - If the map pointer is present on the map page, Nearest Map Pointer is available to allow you to search for cities near the map pointer.
3. You can shorten your search list by entering the name of the city at the top of the page in the "Name" or "Containing" field.
4. When the list is displayed, highlight a single city.
5. Then tap Details to display an information page that provides a map showing the city location on the map, the distance from your current location, the city name along with state and country information. The title of the page identifies the size category of the city (if that information is available). Tap the Done button to return to the list or the Save Waypoint button to save it as a waypoint on the Waypoints list.
6. With the city highlighted on the list, tap Route to generate a route to this city.
7. Tap Done to return to the previous QueFind page.

The "New Waypoint" window displays when saving a city item as a waypoint.
Using QueFind

**Finding an Address**

**To find an address:**

1. From the QueFind application, tap the **Addresses** icon to display the Addresses page.

2. If you know the region (state, province), city, or postal code of the address, enter them now. These will be used to limit the search results, as well as limit the choice of street and city names.

To enter the regions, city or postal code, tap on the selector trigger, then tap on an item in the list. If you select a city, the region field is hidden; to show the region field again; tap on the city name and tap the **Use All** button at the bottom of the Select City Name dialog box.

To again search all regions or postals codes, tap on the region or postal code selector trigger and then tap the **Use All** button at the bottom of the dialog box.

3. Enter the desired street number in the “Number” field. **Number: 3923**
4. Tap the street field to display the “Select Street Name” dialog box. Use the Graffití®
2 input area to begin entry of the street. When the desired name of the street is
displayed, tap it to place it on the page.
Street names are entered and selected using only the body of the street name,
For example, if the street portion of the address you are finding is “E Main St”,
enter only “Main” and select “Main”
from the list. Likewise if the street portion of the address is “N 13th Ave” enter only
“13th” and select “13th” from the list.
Tap the Prefix/Suffix button to display
options for the street prefix and suffix. If
there is no prefix or suffix to be added,
select None. After you have made your
selections, tap OK to return to the
QueFind Addresses page.
5. Tap the Search button.
6. Then follow the instructions on page 14.
Finding an Intersection

To find an intersection:

1. From the QueFind application, tap the Intersections icon to display the Find Intersections page.

2. If you know the region (state, province), city, or postal code of the address, enter them now. These will be used to limit the search results, as well as limit the choice of street and city names.

   To enter the regions, city or postal code, tap on the selector trigger, then tap on an item in the list. If you select a city, the region field is hidden; to show the region field again, tap on the city name and tap the Use All button at the bottom of the Select City Name dialog box.

   To again search all regions or postal codes, tap on the region or postal code selector trigger and then tap the Use All button at the bottom of the dialog box.

3. Tap the street field to display the “Select Street Name” dialog box. Use the Graffiti® 2 input area to begin entry of the street. When the desired name of the street is displayed, tap it to place it on the page.

   Street names are entered and selected using only the body of the street name. For example, if the street portion of the address you are finding is “E. Main St”, enter only “Main” and select “Main” from the list. Likewise if the street portion of the address is “N 13th Ave” enter only “13th” and select “13th” from the list.

   Tap the Prefix/Suffix button to select the remainder of the street name if applicable.

4. When fields are completed, tap the Search button.

5. Follow the instructions on page 14.
Finding a Point of Interest

Because the amount of information available in the Points of Interest category is so extensive, it is divided into smaller categories to help refine your search for an item.

To use QueFind Points of Interest:

1. Tap the QueFind icon from the Que Applications launcher, the Graffitti® 2 input area or the small icon at the base of the screen to display the QueFind application.
2. Tap the desired category to display the list of items in that category or the entry dialog for Addresses or Intersections.
3. If you selected a category with a list, you are given a choice of displaying items by name or only those near your current location. You can further refine your search by selecting a sub-category from the "All-Types" list.
4. Tap the desired subject to display the refined list of items related to that subject.
5. With the list displayed, highlight a single Point of Interest item.
6. When you tap Details, an information page displays, showing a location map and detailed information about the item (phone number, address, etc.).
7. After you have viewed details about a Find item, that item is added to the Recently Found Places list to simplify the process for reviewing. To review an item, simply tap the "Recent Finds" icon to display the list.
Finding Waypoints

A waypoint is an Address Book entry with a set location. Only Address Book entries with set locations will be displayed in the Waypoints list.

To learn specific information about saving a location as a waypoint, refer to the section titled, “Using Waypoints” on the following page.

To find a waypoint using QueFind:

1. Tap the QueFind icon, then tap the Waypoints icon to view the Waypoints List. To narrow the list, tap the icon under the QueFind tab to display those waypoints nearest your location.
2. To view information for a highlighted waypoint, tap Details. To create a route to a waypoint, tap Route To.
3. Tap Done to close.
Using Waypoints

A waypoint is an Address Book entry with a set location. Any QueFind location can be saved as a waypoint.

To mark your current location as a waypoint:
1. There are two methods for marking your location as a waypoint:
   - Use the stylus to tap the waypoint icon at the base of the map. Be certain the map pointer arrow is not displayed or the location on the map, marked by the arrow, will be saved as the waypoint.
   - Press in and hold the Thumb Wheel on the side of your handheld.
2. The "Mark Waypoint" dialog box is displayed with the waypoint automatically named as "Waypoint". (Each subsequently marked waypoint will be named "Waypoint 1, 2, 3", etc.)
3. You can use the Graffiti® 2 input area to rename the waypoint to one more descriptive of your location.
4. To save the waypoint to the Address Book, tap OK.
To save a point on the map as a waypoint:

1. With the Map displayed, use the stylus to tap a desired location on the map which causes the map pointer to display. If the point on the map where you tapped has descriptive information in the map database, it displays for six seconds.

2. Once the map pointer is at the desired location, tap the Waypoint icon at the bottom of the map to display the “New Waypoint” window.

3. Observe that the “New Waypoint” window has named the location as an address, intersection, or named map item if supported by data in the map database. If not supported, it names the location as Waypoint 1, 2, 3, etc.

4. You can use the Graffiti ® 2 input area to rename the waypoint.

5. If the point on the map is an address, checking the “Include Address Data” option will copy the address information to the new waypoint.

6. To save the waypoint to the Address Book, tap OK.

To view a waypoint on the map:

1. From the Address Book application use one of the following procedures:
   • Tap either the Flag icon or the Location button from the “Address View” form.
   • Tap the Flag icon at the right side of the waypoint entry on the list view.

2. From QueFind, Find Waypoints, highlight a waypoint in the list, and tap the Details button.
Using a Waypoint as a Route Destination

Using QueFind to select a Waypoint:
1. Tap the QueFind icon in the Status Bar or to the side of the Graffiti® 2 input area.
2. Tap the Waypoints icon to view the Waypoints list.
3. Highlight the desired waypoint and tap Route To.
4. Observe the route on the Map Page.

Using the Address Book to select a Waypoint:
1. Tap the Address Book icon to launch the Address Book application.
2. Tap the desired item to display the “Address View” page.
3. Tap the QueRoutes icon in the Status Bar or to the side of the Graffiti® 2 input area.
4. Tap the Route To... option.
5. Observe the route on the Map Page.
To edit a waypoint using the Address Book:
1. Launch the Address Book then select the desired waypoint from the list.
2. The Address View page displays.
3. Then tap Edit to display the Address Edit page.

To edit a waypoint using the Waypoints List:
1. Launch the QueFind Application then tap the Waypoints icon to view the Waypoints List.
2. Tap the waypoint to highlight it and then tap Details to display the Waypoint Detail page.
3. Then tap Edit Waypoint to display the Address Edit page.

To edit a waypoint symbol:
1. From the Address Book access the “Address Location” window by tapping the Flag icon to the right of the address listing.
2. Then tap Show Info to display the Information Window for that Waypoint.
3. Tap the Symbol icon to display the “Select Symbol” window.
4. Tap a symbol to select it.
5. The description of the symbol is displayed at the bottom of the screen.
6. Tap the Arrows at the bottom right to move between pages of symbols.
7. To OK to use the selected symbol or to Cancel and keep the current symbol.
To change the location of a waypoint:

1. Access the waypoint you want to move, from the Address Book.

2. Once a waypoint has been identified, tap it to display the Address View page and then tap the Location button to display the Address Location page.

3. Observe that the “Map” option at the top of the page. Tap it to display the Details option and then tap the Details option to display the details page for that waypoint.

4. Tap the information contained in the dotted box around the Location information to display the “Edit Location” window.

5. You have three methods in which to change the waypoint location:
   - Tap the Find button to use QueFind to find a location for the waypoint.
   - Tap the Manual button to enter new location coordinates using the Graffiti® 2 input area. The “Legal Value” text will indicate the range of numbers or letters that are allowed for each field of the current location format.
   - Tap the Map button to display the Map page which will allow you to tap anywhere on the map and designate it as the new location. A dotted line will connect the new location with the old and the word “MOVE” will appear below the map pointer. Tap done to complete the move.
Creating a Waypoint using an existing Address Book entry

An existing Address Book entry can be made into a waypoint by setting a location.

To set a location to an Address Book entry using QueFind:

1. Tap the Address Book icon to launch the Address Book.
2. Then tap the item selected to display the “Address View” page.
3. From the Address View page, tap the Location button to display the “Set Location” options window.
4. You have three methods in which to set the waypoint location:
   - Tap the Find button to use QueFind to find a location.
   - Tap the Manual button to enter new location coordinates.
   - Tap the Map button to display the Map page which will allow you to tap anywhere on the map and designate it as the location.
Using QueTracks

QueTracks is an application that records your path of travel. This can be used to travel back to your point of origin, and be saved for later use.

Use the QueTracks application to:
- Save a portion of the Track Log for later use.
- Clear the Track Log.

To use the QueTracks Application:
1. Tap the Applications Launcher icon to display the QueTracks icon.
2. Tap the QueTracks icon to display the Tracks Page.
3. Observe the Track Log capacity bar graph. The graph indicates the amount of Track Log used and displays the percent used above the bar. Below the bar graph is the Saved Tracks list which displays those tracks you have saved for later use.
4. To save all or a portion of the Track Log, tap the Save button. The “Save Track” dialog appears with the entire Track Log chosen. To choose to save only a portion of the Track Log, select a start and end time. To return to saving the entire Track Log, tap the Entire Log button.
5. To clear the Track Log, tap the Clear button.
Using QueTracks

Saved Track Details:

- Tap the QueTracks application icon to display the Tracks Page. Then tap the desired track in the “Saved Tracks” list to display the “Saved Track Details” page.
- To rename any Track, tap the name at the top of the Saved Track Details page and then use the Graffiti® 2 input area to enter a new name.
- To assign a new color to the track when it is displayed on a map, tap the Color name at the top of the page. Tap the desired color from the list to select and close the list.
- If the “Show On Map” option is checked, the saved track is displayed on map pages.
Using QueRoutes

QueRoutes is an application that provides you with a graphic route line, plus graphic and voice turn-by-turn directions to a chosen destination. You can select a destination from any of the QueFind application categories, the Address Book, the QueMap application, or a location attached to an entry in the Date Book application.

QueRoutes functions primarily as a route management tool once you have selected a destination. Use the QueRoutes application to:

- Recalculate the route to your current destination.
- Add stops or new waypoints (vias) to customize your route.
- Save specific routes for use at a later date.
- Set the preferences for routing.
- Stop and resume navigation of an active route.

To activate the QueRoutes Application:

1. Tap the Applications Launcher icon to display the QueRoutes icon... or easier yet, tap the QueRoutes icon at the side of the Graffiti® 2 input area or on the Status Bar.
Creating Routes

To begin a route all you really need is a destination. A route can be activated from several other handheld applications that support the location data needed to determine a destination for a route.

Using QueFind to select a destination:

1. Select an item from any of the QueFind application search categories. Refer to the QueFind section for detailed instructions on searching for items.
2. Tap the QueRoutes icon on the status bar to display the QueRoutes dialog box.
3. Tap the “Route To...” item at the top of the dialog box. The name displayed depends on the item selected.
4. The Que Map application is displayed and a “Calculating Route” animated graphic replaces the satellite graphic at the center of the status bar. When the satellite graphic returns, the route is “active”.
5. Follow the voice prompts and turn preview pages to navigate to your destination.
Using QueMap to select a destination

You can create a route to any place on the map by using the stylus to place the map pointer on a location that you want to use as a destination.

To select a destination:

1. Tap the QueMap icon to display the Map.
2. Once you have identified a map item that you want to use as a destination, tap it with the stylus to place the map pointer on that spot.
3. Tap the QueRoutes icon on the status bar to display the Que Routes dialog box
4. Tap the “Route To...” item at the top of the dialog box. The name displayed depends on the item selected.
5. The Que Map application is displayed and a “Calculating Route” animated graphic replaces the satellite graphic at the center of the status bar. When the satellite graphic returns, the route is “active”.
6. Follow the voice prompts and turn preview pages to navigate to your destination.
Using the Address Book to select a destination

You can create a route to any address in the Address Book that has a set location.

To select a destination:

1. Tap the Address Book icon to display the address list.
2. Tap the desired Address Book record to display the “Address View”.
3. Tap the QueRoutes icon on the status bar to display the QueRoutes dialog box.
4. Tap the “Route To...” item at the top of the dialog box. The name displayed depends on the item selected.
5. The QueMap application is displayed and a “Calculating Route” animated graphic replaces the satellite graphic at the center of the status bar. When the satellite graphic returns, the route is “active”.
6. Follow the voice prompts and turn preview pages to navigate to your destination.
Using the Date Book to select a destination

You can create a route to any item in the Date Book that has an attached location (indicated by the marker flag to its right).

To select a destination:
1. Display the Date Book.
2. Tap on the desired event to be used as a destination.
3. Follow Steps 3 through 6 on the previous page of this guide.

Recalculating a Route

You can at any time, recalculate the route to the current destination (For example, if you have deviated from the original route).

To Recalculate a route:
1. Tap the QueRoutes icon to display the QueRoutes dialog box.
2. Tap the Recalculate icon to recalculate the active route.

Using a Detour

To avoid an area of traffic congestion or other obstacles on a route, you can use the “Detour” option to alter the route to avoid the roads used in the current route for a specific distance.

To use the “Detour” option:
1. Tap the QueRoutes icon.
2. Tap the Detour option.
3. Tap the distance to avoid roads used in the current route.
Using QueRoutes

Route Options Menu when a Route has been stopped before completion

Stopping and Resuming Route Navigation
You can stop navigating a route at any time.

To Stop or Resume Navigating a Route:
1. Tap the Route icon to display the Routes dialog box.
2. Tap the Stop Navigation icon to remove the route overlay from the Map Page. This also stops voice prompts and turn preview pages. Start navigating again by tapping the Resume Navigation icon from the QueRoutes dialog box.

Customizing a Route
You are not limited to using a newly created route as is, you can modify it to meet your own requirements. To alter the path of travel to include various points on the way to the destination, you can use “Edit Vias” to place them.

To add or change Route “Vias”:
1. While a route is active, tap the Route icon to display the QueRoutes dialog box.
2. Tap the Edit Vias icon to display the Edit Vias page.
3. Select the method of adding a via point from the two options shown at the bottom of the page. “From Find” displays the QueFind application. “From Map” displays the QueMap application.
4. Use the same method to select a via point as you would a destination, the selected location now becomes a point along your current route.
5. You can move the selected via point anywhere in the list by tapping the Up/Down arrows.
Saving a route

Once you have created a route to a destination, while it is still active, you can save it to the “Saved Routes” list for re-use at a later date.

To Save a route:
1. With a route active, tap the Route icon to display the QueRoutes dialog box.
2. Tap the Saved Routes icon to display the Saved Routes List.
3. Tap the Save Active button at the bottom of the page.
4. A “Save Active Route” dialog box displays. Rename the route if desired and then tap OK to save to the Saved Routes List.
5. To view details about any saved route on the list, tap the route name on the list to display the “Saved Route Details” dialog box.
6. Tap OK to close, Activate to begin navigation on that route, or Delete to remove it from the Saved Routes List.

When you select a Saved Route to navigate, the route will be recalculated beginning from your current location.
Using QueRoutes

Route and Guidance Preferences
You can control the way a route is calculated and select the type of route guidance prompts. When you set preferences for an individual route, all other routes will reflect those preferences.

To Set Routing Preferences:
1. Tap the Route icon to display the QueRoutes dialog box.
2. Tap the Route Preferences icon to display Routing preferences.
3. Tap the icon beneath the “Route Preference” option to display and select from three options. The “Off Road” option will generate a straight line to your destination, not following roads.
4. Tap the icon beneath the “Calculate Routes For:” option to display and select from a list of transportation options.
5. Tap the box next to the “Avoid” options to toggle a check mark and activate that option.

To Set Guidance Preferences:
1. Tap the Route icon to display the QueRoutes dialog box.
2. Tap the Route Preferences icon to display the Que Preferences page. Tap the icon preceding the Routing option to display the list of other options. Select Guidance.
3. Tap the icon beneath the “Off-Route Recalculation” option to display and select from four options for recalculation notification.
4. Tap the icon beneath the “Turn Preview” option to display and select from a list of methods for turn notification.
5. Tap the icon beneath “Voice Prompt” to select voice guidance.
6. Toggle the “Attention Tone” box for indication of route changes.
Using Routing Voice Prompts

Once you have created a route to a destination you can begin navigation. In addition to a graphic in the QueMap application and “pop-up” turn displays you will be given voice prompts prior to turns and points on your route.

To adjust voice prompt volume:

While navigating a route, you may need to adjust the volume to compensate for road noise, etc.

If you’re using the Auto Navigation Kit with remote speaker:
1. Adjust the volume as desired by turning the volume control located on the side of the Remote Speaker.

If you’re using the iQue handheld with battery power:
1. Tap the Volume icon at the bottom of the display to open the Volume Control Page.
2. Use the stylus to adjust the Guidance volume slider to a level appropriate for the noise environment.
3. Tap OK when completed.
Using QueTurns

QueTurns is an application that can show you a list of turn-by-turn directions to a destination. The application is active only when a route is active.

Use QueTurns to:
- View turns on a route in order.
- View the Turn Preview for an individual turn.

To open the QueTurns Application:

1. Tap the Applications Launcher icon to display the QueTurns icon, then tap the QueTurns icon to display the Turns Page.
2. Or, press the Que Hard Button when a route is active.
3. If you are actively navigating a route, a list of turns, in order, will be displayed.
4. Each turn entry provides a direction arrow showing the direction you will turn and the distance to that turn, plus written instructions. The time to the next turn is displayed at the top right of each turn entry and the time of day which you will reach that turn is displayed at the lower right of each turn.
5. Tap a turn on the list to display it on the Turn Preview Page.
Using QueTrip

The QueTrip application provides you with the current status of your progress.
Use QueTrip to:
• View the total distance you have traveled. (Odometer)
• View the direction in which you are traveling.
• View your current speed.
• View the distance you have travelled on this trip. (Distance)
• View the time when you have not been moving (Stopped Time).
• View the time when you have been moving (Driving Time).
• View the total time traveled.
• View your average speed while traveling.
• View your average speed overall.
• View your maximum speed while traveling.

To use the QueTrip Application:
1. Tap the QueTrip icon to launch the application. Observe the QueTrip page. Speed displays as zero when you are not moving.
2. Tap the QueTrip Menu icon to display the four reset options: Reset Odometer, Reset Trip Computer, Reset Maximum Speed and Reset All.
3. Tap the desired Reset option and follow prompts from the dialog box.
Using QueVoice

The QueVoice application allows you to record and store voice files to use as reminders, notations or messages. Voice files can be stored on the handheld or an SD card, if present. A location can be attached to a voice file. WAV format voice files can be imported and exported by beaming or performing a HotSync® operation.

Use QueVoice to:
- Record verbal reminders
- Record and send verbal messages

To use the QueVoice Application:
1. Tap the QueVoice icon or simply press and release the RECord button on the side of the handheld to display the QueVoice application.

To record a Voice File:
1. Press and hold the RECord button until you hear tones sound. QueVoice is now recording. Tapping the Record icon in the QueVoice application will also start recording.
2. While recording, briefly pressing the RECord button or tapping the Pause icon will pause or resume recording.
3. To stop recording, press and hold the RECord button until you hear tones sound. Tapping the Stop icon in QueVoice also stops recording.
4. The newly recorded voice file will be highlighted in the list of files. The file name is the date and time the recording was started. See the next page for information about file formats.

To play a Voice File:
1. Tap the file name to highlight it, then tap the Play icon.
Managing Voice Files

Once you have completed a voice file, you can rename it to a more descriptive title, view details, change the storage location (handheld or SD card) and delete a file when you no longer require it. The file list displays, the size of the file and an icon indicating the storage location. If the file has an attached location an flag will also be displayed.

To use the Files menu:

1. Tap the QueVoice menu bar to display the Files, Option, and Que menu headings.
2. Tap the Files menu to display the list of items.
   - To Rename a file, tap Rename. When the Rename window displays, enter a new name. Tap OK to close.
   - To Delete a file, tap Delete and follow instructions.
   - To Purge all files, tap Purge and follow instructions.
   - To View File Details, tap View Details or tap the storage location icon from the list. From the Details page you can observe information about the voice file. You can also determine where the file is stored by tapping the pick list icon next to “Stored On” to display Handheld and Card options. Tap your choice and follow instructions.
   - To beam a file, tap Beam and follow instructions.

Moving a File Using the “Details” Page

Stored On: Handheld
File Name by Time & Date
Move File Confirmation Dialog

This will move the file from the card to the handheld. Do you wish to continue?

OK Cancel
Using Options to customize QueVoice

The font for displaying files in the list, storage location for new recordings, and filename format for new recordings can be customized using the Options Menu.

To use the QueVoice Options:
1. Tap the QueVoice menu icon to view the Files, Options, and Que menus.
2. Tap Options to display the Options Menu items.
3. Tap Font to select the typeface to use for the list display.
4. Tap Preferences to display the Preferences window.
5. When the Preferences window displays:
   - Check the External Memory Card option if you want to record new files to the card. Uncheck the option to record files to the internal memory of the handheld.
   - Make selections from the options available for Format and Date. When you make selection, the “Example” at the bottom of the window will change to reflect your selections.
   - Tap OK when done.
Attaching and Removing a Location for your Voice Files

You can attach a geographic location to a voice file to give it special significance, such as voice notes about a destination such as an address, city, restaurant, etc.

To Attach or Remove a Location:

1. Highlight the voice file you desire to attach or remove the location from.
2. Tap the Menu icon to view the list headings.
3. Tap the Que topic to display the Que menu items.
4. To attach a location to a file tap the Attach Location option. This displays the QueFind application. Select a location using QueFind and tap OK when done. The QueVoice file list now shows a marker flag to its right. Tap the flag to display the location page.
5. To remove a location from a file, tap the Remove Location option and then tap OK.

If you have already attached a location to a voice file and attempt to attach another location, an “Overwrite Location” prompt displays. Tap OK to attach a new location or Cancel to keep the current location.

To remove an associated location, tap "OK".

To attach new location to a voice file, tap "OK".
Using QueVoice

1. Turn On your iQue Handheld and position to receive the signals from another handheld with the same feature.
2. Beam the desired file from the other handheld.
3. When the .WAV voice file has been received, if it is QueVoice compatible it will be accessible from QueVoice while those files that are not QueVoice compatible can be stored on the SD card and be accessed from the QueAudio application.

Using Palm™ Desktop Software:
1. Select a .WAV voice file to import from your PC.
2. Open Palm Desktop and click the Install Tool icon to display the Install Tool window.
3. Click and drag the desired file to the window.
4. Or... click the Add... button to display the Open window and use the “Look In:” field to find your file. Highlight the file, then click Open to place in the Install Tool window.
5. Click Done and an Install Tool message tells you that the file will be sent to the iQue the next time you perform a HotSync® operation. Files imported in this manner will be placed on the external card.

Importing and Exporting QueVoice Files

You can import and export .WAV voice files using either the infrared beaming feature or the HotSync® operation. If a location is attached to a QueVoice file, it will be sent as well.

Only QueVoice files import to the QueVoice application, all other .WAV files are stored on the SD card and can be accessed using the QueAudio application.
You can send files to another Palm OS® type handheld using the Beam feature or you can export voice files directly from your PC that have been backed up during a HotSync® operation.

**To Export a Voice File:**

**Using the Beam feature:**

1. Turn On your iQue Handheld and position to beam the signals to another Palm OS® type handheld with the same feature.
2. Select the file you want to send, then tap the **Beam** option from the Files list in the QueVoice application. When the transfer is complete, the Beam dialog disappears.

**Using the Windows® Backup Files:**

1. Select a .WAV voice file to export from your PC. All of the backed up QueVoice files are stored under the Palm Desktop Installation folder (usually C:\Program Files\Palm). The (user name) portion of the string is based on the HotSync® operation name. Once you have accessed the QueVoice folder, there are Card and Handheld folders. If you have used more than one SD card to store voice files, the additional Card folder names are named after the volume name you assigned to the SD card.
2. Click the **Card** or **Handheld** folder to display the files.
3. Select the desired files and send via e-mail, or copy to a media disc.

Voice Files with attached locations are also transferred intact with the location information.
Using QueAudio

QueAudio plays MP3 and WAV format files stored on the external card. The iQue handheld is provided with a stereo headset jack for privacy.

Use QueAudio to:
- To play MP3 and WAV format audio files.

To store files for use with QueAudio:
1. Access and copy MP3 or WAV format files to your PC, either saving to a folder or placing them on your desktop.
2. Open the Palm™ Desktop application on your PC and click the “Install” icon to display the Install Tool dialog window.
3. Drag and drop files from your PC into the Install Tool window or click add and access the folder containing the audio files.
4. Click “Done” and the files will be added to your SD card the next time you perform a HotSync® operation.

It is important to note, that the number of audio files that can be stored on the external card is dependent on the amount of space not already used for mapping data and other files.

To determine how files are displayed on the QueAudio Page:
1. Tap the QueAudio tab at the top of the page to display the Options Menu.
2. Tap the View option to display the various ways to display files. Then tap your choice.
To play files using QueAudio:
1. With the QueAudio application displayed, tap the desired file title to highlight it.
2. Then tap the Play button on the control panel below.
   You may also select files by rotating the Thumb Wheel up or down and pressing in to toggle between play and pause.
3. To listen to a particular section of a file track, use the stylus to position the Track Slider to select a desired portion of the track.

To view details about selected files:
1. Highlight the desired file from the list on the QueAudio page.
2. Tap the QueAudio menu icon at the top of the page to display the file menu items.
3. Tap the View Details option to display the details page for the highlighted file.

To delete selected files:
1. Tap the QueAudio options tab and select Delete to remove the highlighted file from the external card...or tap Delete Multiple to remove several selected files from the external card.

To change the order of files in the list:
1. Tap the column title to cycle the sorting order. To shuffle the order, tap the column title until no arrow is displayed. Tapping the Shuffle menu item in the Options menu also shuffles the file order.
Using QueClock

The QueClock application displays the current time, date and year.

Use the QueClock application to:
• To view date and time.

To View the Time, Date and Year:
1. Tap either the QueClock icon from the Application Launcher screen or the icon on the status bar to display for two seconds.
2. Observe the time, date and year display. Tap the OK to close.

To Set the Time, Date and Year:
1. Tap the Prefs icon from the launcher to display the Preferences Page. Then tap the Preferences Options icon ▼ at the top of the page then tap “Date & Time”.
2. Tap the field next to the “Set Date” option to display the Set Date Calendar page. If desired tap the year, month and date.
3. To set the time, tap the field next to the “Set Time” option to display the Set Time window. Highlight hours or minutes, then tap the up or down arrows to set the time. Tap AM or PM and then OK to close.
4. Tap the field next to the “Set Time Zone” option to display the list of time zones. Tap your selection and then OK to close.
5. Finally tap the Daylight Savings icon to turn it On or Off.
6. Check to be certain that the time is still correct, since the time zone and daylight savings time settings affect the time.

When the GPS Receiver is On, it will set the correct time for your location.
Using MapInstall

MapInstall allows you to download detailed mapping data to the iQue or a Secure Digital Card. When detailed maps are installed, applications like QueMap, QueFind, QueTurns, and QueRoutes can provide a broader range of information about the geographic area in which you are navigating. If you don't install detailed mapping data, you will only have access to the information contained in your unit's basemap.

Using MapInstall allows you to:

• To increase the detail of map information and related applications.

To download maps:

1. You must have first installed the Map Data CD's on your P.C. Refer to the SetUp Guide.
2. Open Palm™ Desktop and observe a MapInstall icon to your left at the edge of the Palm Desktop window. Click on the icon to open the MapInstall Wizard Welcome Window.
3. Read the information on the Welcome Window. It will help to determine your next step.
4. For certain maps (those provided with your new unit) you must use an Unlock Code to open the map data. You may have already input the Unlock Code during the SetUp process and you can move to the next InstallWizard page. If not either use the installation CD to retrieve your code or the sheet of paper packaged with your unit that contains the code. Click the “Unlock Code” button to open the dialog box.
5. With the code in place you can now select maps to download to your unit. Use the cursor to click on the map areas that you want to download.
6. Click “Next” to move to the “Finish” window.

Using MapInstall

Downloading Map Data

Using MapInstall

MapInstall Welcome Window

Unlock Code Dialog
The next time you perform a HotSync® operation, the map data will be moved to the iQue handheld or a Secured Digital Card.

If you already own or intend to purchase Garmin MapSource products other than those provided with your iQue handheld, the MapSource operating software is not used to download maps to the iQue or Secure Digital Card. Use the Palm™ Desktop MapInstall software to select and download maps for use with the iQue.

When on Palm Desktop, click on the MapInstall icon next to the screen to begin downloading and then follow the on-screen instructions.

When downloading maps, be certain to check the amount of card free space available to be certain there is sufficient space for the new maps. Open the Card Info application and observe the available space information.

When purchasing MapSource Map Data CD’s other than those provided with your iQue handheld, the directions for installation provided with those MapSource Instructions DO NOT APPLY!
Internal System

Operating System: Palm™ OS 5.2.1
Embedded capabilities: GPS receiver, MP3 player, voice recorder, infrared communication and vibrating alarm
Audio hardware: Microphone, speaker, headphone jack
Processor: 200 MHz Motorola Dragonball MXL ARM9
Internal memory: 32 MB RAM
Expandable memory: SD/MMC

Standard Applications

Garmin “Que” apps: 44.1 Khz MP3, GPS Info, Clock, Address Lookup, Electronic Mapping, Track Log, Trip Computer, Automatic Route Generation, and Turn-By-Turn Voice Guidance
Palm OS 5.2.1 apps: Address Book, Calculator, Date Book, Memo Pad, Palm Reader and To Do List
Other 3rd party apps: Astraware Game Pack*, Documents To Go by DataViz*, powerOne Personal Calculator, Star Caddy*, Splash Wallet*, Vindigo*, WorldMate™, DataViz Mail*, and Palm Reader Basic (*Demo)

Moving Map Features

Basemap: Built-in routable basemap contains state and country boundaries, lakes, rivers, streams, airports, cities, towns, coastlines, state and interstate highways, local thoroughfares and secondary roads within metro areas
CD-ROM: Accepts downloadable map detail from Garmin PC-based MapSource City Select™, City Navigator™ Worldmap™ CD-ROM’s which provide street-level detail, addresses, listings of nearest restaurant, hotels, ATM’s and more
## Navigation features

**Routes:** Automatically calculated with turn-by-turn instructions; using built-in basemap, routes include interstates, highways and major thoroughfares; with detailed data from CD-ROM, routes include residential street-level detail

**Trip computer:** Resettable odometer, timers, average and max. speeds

## GPS performance

**Receiver:** 12 parallel channel GPS receiver continuously tracks and uses up to 12 satellites to compute and update your position

**Acquisition times:**
- **Warm:** Approximately 15 seconds
- **Cold:** Approximately 45 seconds
- **AutoLocate™:** Approximately 5 minutes

**Update rate:** 1/second continuous

**GPS accuracy:**
- **Position:** < 15 meters, 95% typical
- **Velocity:** 0.05 meter/sec steady state

**DGPS (WAAS) accuracy:**
- **Position:** < 3 meters, 95% typical
- **Velocity:** 0.05 meter/sec steady state

**Interfaces:** USB, infrared, RS232

**Antenna:** Flip-up adjustable GPS antenna

## Power

**Source:** Lithium-ion battery

**Operating range:** 0-50°C

## Physical

**Size:** 2.8"W x 5"H x 8. D (72.1 x 127 x 20.3 mm)

**Weight:** 5.2 ounces (161.7 g)

**Display:** 320 x 480 pixels, 16 bit color display and white LED backlight
What is WAAS?

The Wide Area Augmentation System (WAAS) is an FAA-funded project to improve the overall integrity of the GPS signal. It is a space-based system that broadcasts integrity information and correction data as determined by ground reference stations (see DGPS below). At this time the system is still in the developmental stage with a goal of providing reliable signals with an accuracy of 7 meters (21-22 ft.) both horizontally and vertically 95% of the time. Current tests have shown the actual accuracy to be on the order of 2-3 meters. For more information, go to http://gps.faa.gov/Programs/WAAS/waas.htm.

What is Differential GPS (DGPS)?

The U.S. and Canadian governments (among others) have set up Differential GPS (DGPS) stations to transmit correction signals. They are operational in coastal areas and on many navigable river systems. The DGPS system is available for use without fee.

In addition to compensating for errors in the position, these corrections signals can also correct for deliberate degradation of the accuracy of GPS by the U.S. Department of Defense under their Selective Availability (SA) program. Please refer to the U.S. Coast Guards web site: http://www.navcen.uscg.gov/ for locations and the status of the differential sites. Using DGPS requires additional equipment.
What are Map Datums, and which should I use?

A datum is a mathematical model of the Earth which approximates the shape of the Earth, and enables calculations to be carried out in a consistent and accurate manner. The datum is physically represented by a framework of ground monuments (i.e. trig. stations) whose positions have been accurately measured and calculated on this reference surface. Lines of latitude and longitude on a map or chart are referenced to a specific map datum. Every chart has a map datum reference and the iQue handheld can be set to match most of those commonly used.

If you are navigating and comparing the GPS coordinates to a map, chart or other reference, the map datum in the GPS unit should be set to the same datum as the map or chart to insure the most accurate navigation.

What is a Location Format, and which should I use?

Your current location can be viewed on the GPS in the form of coordinates. Since different maps and charts use different location formats, Garmin GPS units allow you to choose the correct coordinate system for the type of map you are using. The most common format is latitude and longitude, which is utilized by all Garmin units. On most models, you may choose to change the location format to use with other coordinate systems. UTM/UPS (Universal Transverse Mercator/Universal Polar Stereographic) are easy-to-use metric grids that are found on most USGS topographic quadrangle maps. Several other grids, including a user-definable grid (for the advanced user), may also be selected.
Location Coordinates, how to edit or assign them.

No matter where you happen to be on the surface of the earth, there is an exact description for your current location, called a location coordinate. A location coordinate is the description for any specific location on the earth determined by one of the many types of Location Formats.

When you save any QueMap or QueFind item as a Waypoint, location coordinates are automatically assigned using information contained in the mapping database either stored in your unit or on the Secure Digital Card. Those locations will be displayed in the format set by the factory default settings or the format you have set using the preferences settings for Location Format for Que applications.

When you assign a location to an entry in the Address Book, one of the options is “Manual” which allows you to enter location coordinates for the entry, if you know what they are.
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