Using the Weather Radio

The Weather Radio, available only on Rino 530HCx units, provides a constant update of weather conditions, which is helpful while outdoors or planning a trip. Seven Weather Radio channels are available. For more information about the Weather Radio, refer to the *Owner's Manual*.

To turn the Weather Radio on:
1. Open the Radio page by pressing the **Main Page Menu** button.
2. Highlight **Weather** button on the page and press **Enter** or use the **Option Menu** to select **Use Weather Radio** and press **Enter**.
3. Select the **Seek** button to find an active weather channel in your area.
4. With the **Weather** button highlighted, press the **Thumb Stick** in to exit weather.

Radio Page with Weather Radio On

Marking a Waypoint

Marking a waypoint records your current location and stores it in the unit's memory. You must be tracking satellites to mark your location, otherwise your last known location is marked.

To mark a waypoint:
1. Press **Enter** and hold it until the Shortcuts Menu is shown.
2. Highlight **Mark Waypoint** and press **Enter** to display the Mark Waypoint page.

Symbol Field — Name Field

Mark Waypoint Page

3. Highlight the **Name** field and press **Enter**. Enter a new name. When finished, highlight **OK** then press **Enter**.
4. Highlight the **Symbol** field and press **Enter**. Choose a symbol then press **Enter** to accept.
5. Highlight the **OK** button at the bottom of the page and press **Enter** to save the waypoint.

Navigating with Your Rino

You can navigate to a waypoint, city, exit, or a contact's location. Using optional detailed maps, you can also navigate to points of interest, addresses, and intersections.

To begin navigation using Find:
1. Press and hold the **Enter** key to open the Shortcuts Menu.
2. Highlight **Find** and press **Enter**.
3. Highlight **Waypoints** and press **Enter** to view the list of nearest waypoints.
4. Highlight a waypoint and press **Enter**.
5. With the Waypoint page shown, highlight the **Go To** button at the bottom of the page and press **Enter** to begin navigation. The Map page automatically opens to guide you to your destination.

Compass Page

The two main components of the Compass page are the compass ring and the pointer. As you move, the compass ring rotates showing your current heading at the top of the display. The pointer points toward your destination. When the pointer is aligned with the vertical line at the top of the compass ring, you are on a direct course toward your destination. The Rino 520HCx has to be moving to navigate. If you are standing still or moving very slowly, the navigation data may not be accurate. When you are stationary, an electronic compass (Rino 530HCx only) becomes functional to maintain directional orientation. Follow instructions in the *Owner's Manual* for calibrating the electronic compass the first time you use it.

Compass Page

Using Peer-To-Peer Positioning

The Rino's most unique feature is Peer-to-Peer positioning, sending the location of one Rino unit to other Rino units. Peer-to-Peer positioning allows you to track the movement of other Rino users and also navigate to their location.

To send your location:
Press and release either the **Call** or **Talk** key. Your Rino automatically sends out its location. Other Rino users monitoring the same channel and code receive this information.

Using Contacts

The first time you are contacted by another Rino user, the New Contact page is displayed. From the New Contact page you can show the user's location on your **Map**, **Go To** that position. Select **OK** to add them to your contact list. To disregard the contact, exit by pressing the **Page** button or the **Page/Quit** key. Every time you receive signals from contacts, your map is updated showing their new position. A Track Log of their movement is created and shown on your map.

New Contact Page

Sending a Location

You can send any location that you have available in your Find menu. These may be waypoints, contacts, cities, exits, or any other data that is loaded in the unit. Below are the steps to send a waypoint.

To send a location (waypoint) using Find:
1. Press the **Enter** key and hold it until the Shortcuts Menu appears, or press the **Page/Quit** key until the Main Menu is shown.
2. Highlight **Find** and press **Enter**. Highlight **Waypoints** and press **Enter** to view the list of waypoints nearest to your current location.
3. Highlight the waypoint that you want to send and press **Enter** to view the Waypoint Review page.
4. Highlight the **Option Menu** button and press **Enter**.
5. Select **Send Location** and press **Enter**.

Send Location

The location is sent to all Rinos using the same channel and code. They can then choose to **Go To** that location, view the location on the map (**Map**), or save the location (**Save**).

Polling a Location

If you have not heard from a contact in a while and would like to know that contact's current location, you may "poll" the contact's location. This will update that contact's location in your Rino.

To poll a location:
1. Press **Enter** and hold it until the Shortcuts Menu is shown, or press the **Page** button until the Main Menu is shown.
2. Highlight **Find** and press the **Thumb Stick** in. Highlight **Contacts** and press **Enter**.
3. Highlight the contact that you want to poll and press the Call key or, press **Enter** to view the Contact Review page.
4. Highlight the **Option Menu** button and press **Enter**.
5. Select **Poll Location** and press **Enter**.

Polling a contact's location

Sending a Note

You can send a note to communicate silently with other Rino users on the same channel and code that you are using. This can be a saved note or a new note.

To send a note:
1. Press **Enter** and hold it until the Shortcuts menu is displayed.
2. Select the **Send Note** option.
3. To create a new note or edit an existing note, press **Enter** when the **Edit Note** field is highlighted. Enter your note using the data entry keyboard. Select **OK** when complete.

   To use a Saved Note, select the desired note from the **Saved Note** list and press **Enter**.
4. Select **Send** to send the note to all Rino users on the same channel and code that you are using. Select **Save** to save the note for future use. Select **Clear** to erase the note.

If you have further questions or just want to learn more about the operation of the Rino 520HCx or Rino 530HCx, refer to the *Owner's Manual*, which provides detailed information about all of your unit's features.

GARMIN **Quick Start Guide**

Rino® 520-530HCx
2-way radio and GPS

Power key
- Press and hold to turn the unit On/Off
- Press and release to adjust backlighting

Rocker/Enter key
- Move up, down, right or left to move through lists, highlight fields, on-screen buttons, icons, enter data, or move the map panning arrow
- Press in to enter highlighted options and to confirm messages
- Press in and hold to display the Shortcuts menu

Call key
- Press to send out Call Tone
- Sends position when released (if enabled)

Talk key
- Press and hold to talk
- Sends position when released (if enabled)

Page/Quit key
- Press to cycle through the main pages
- Used to quit or escape menu items

Zoom/Map (Z) key
- From the Map Page, press to open the Zoom control window
- From any other page, press to access Map Page
- Press and hold to turn the electronic compass On/Off (Rino 530HCx only)

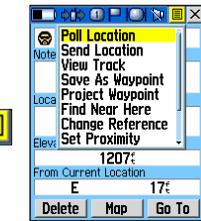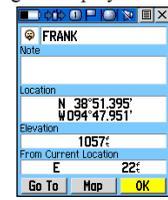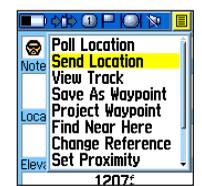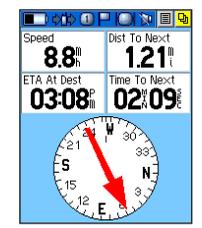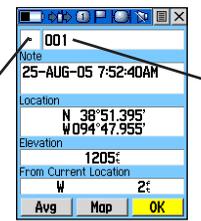**Volume (V) key**
- Press to open the volume and squelch control window
- Press and hold to mute or unmute the speaker.

Microphone:
- Hold unit 3–4 inches from your mouth when talking

Speaker

Rino 520HCx (shown)

Charging the Battery

The Rino operates on a rechargeable lithium-ion battery pack attached to the back of the unit. See the Rino *Owner's Manual* for more information about batteries. Stored data is not lost when the battery is removed. The first time you charge the battery, charge it completely while attached to the unit in order to set the battery capacity gauge calibration.

To charge the battery:
1. Remove the battery pack from the product package and install it on the back of the Rino.
2. Insert the tab at the base of the battery pack in the slot at the bottom of the Rino and rotate the battery pack up into the cavity on the back of the Rino with the D-Ring vertical. Secure in place by turning the D-Ring on the battery pack 1/4 turn clockwise.

Mini USB port

Headset connector

D-Ring

Battery pack

Charger
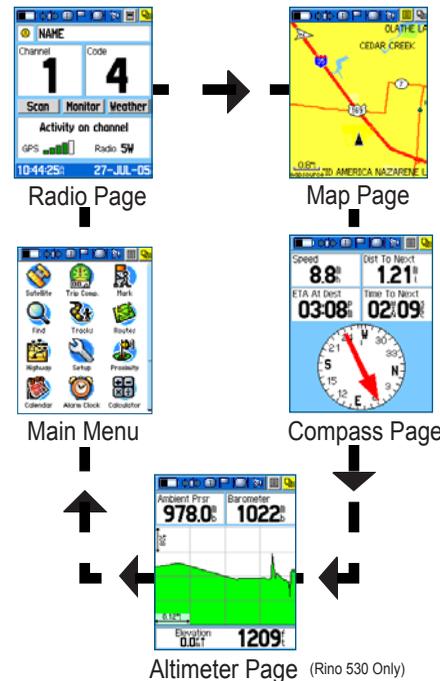
Power cord

Charger contacts

Battery tab

Detent

3. Insert the charger power cord into the jack in the side of the charger. Connect the other end of the power cord into a wall outlet. Then, clip the charger onto the battery pack, making certain the tabs on the charger engage the detents on the battery pack. A red LED indicates that charging is in progress.
4. As charging is in progress, a Battery Gauge displaying the percentage of charge appears on the screen. A fully depleted Lithium-ion battery pack may take up to 6 hours to charge.

The Rino can be operated while charging is in progress, but unless you are outdoors, you cannot receive satellite signals.

Extensive use of backlighting, WAAS, and/or FRS or GMRS transmitting can significantly reduce battery life.
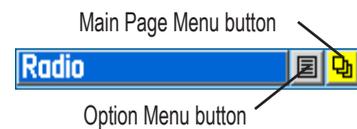
Viewing the Main Pages

All of the information you need to operate the Rino can be found on five default main pages (only four for the Rino 520HCx). Simply press and release the **Page/Quit** key to cycle through the Radio page, Map page, Compass page, Altimeter page (Rino 530HCx only), and Main Menu page. You can also access the Main pages by pressing the on-screen Main Page Menu button.

If you are navigating a route, an additional Active Route page becomes available.

Radio Page

Map Page

Main Menu

Compass Page

Altimeter Page (Rino 530 Only)

While these Main pages provide you with different types of information, they all share common features like Option Menus and a Main Page Menu. Access the Option Menu and Main Page Menu by using the **Rocker** to highlight the on-screen button. Then press **Enter**.

Main Page Menu button

Radio

Option Menu button

Initializing the GPS

Before the Rino can be used for navigation, the GPS receiver must be initialized. Initialization allows the Rino to receive and store satellite information and begin using the satellites for navigation. The initialization is automatic and should only take a few minutes.

To initialize the unit (acquire satellites):
1. Take the Rino outside where it has an unobstructed view of the sky and turn it on.
2. The unit begins to search for satellite signals. A satellite signal graph is displayed on the radio page or you can get more detailed information by accessing the Satellite page from the Main Menu.

   GPS
   Radio Page GPS signal graph

   The first time you use your Rino, initialization could take up to five minutes.
3. When the GPS is initialized and ready for navigation, three or more green GPS signal bars are displayed.

If for some reason the unit is not able to gather the necessary satellite information, refer to the *Owner's Manual*.

Entering Data

Use the **Rocker** like a joystick that you control with your thumb. Move the **Rocker** up, down, right, or left. Press the **Thumb Stick** in to select an item on the screen, much like pressing the Enter key on a computer keyboard.

Sometimes you will need to spell out things using the **Rocker** and an on-screen keyboard. To enter characters with the on-screen keyboard, press the **Rocker** up, down, left, or right to highlight the desired character (letter, number, or a space). Press **Enter** to select that highlighted character. Choose **Back** to delete the character to the left of the cursor. When you are finished entering characters, highlight **OK** and press **Enter**.
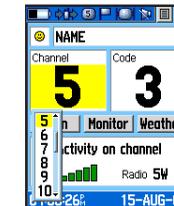
The on-screen keyboard

Setting Up the Radio

Select a channel and code to transmit on. Channels 1-7 and 15-22 are GMRS*, channels 8-14 are for FRS. Be sure to tell the other members of your group what channel and code you are using so they can communicate with you.

To select a channel:
1. Highlight the **Channel** field and press **Enter**.
2. Select an available channel and press **Enter** to accept the selection.

To select a code:
1. Select the **Code** field and press the **Thumb Stick** in.
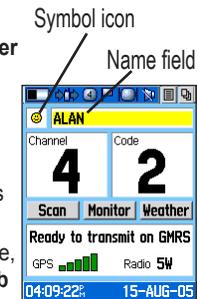2. Select one of the thirty-eight (38) available codes. Press **Enter** to accept the selection.

   *Using GMRS channels requires an FCC license. See the Owner's Manual for details.

Selecting the channel

Changing the Name and Symbol

The Name and symbol (icon) identifies you to other Rino users.

To change the user name:
1. Highlight the Name field and press **Enter** to activate the field and display the keyboard.
2. Highlight **Clear**, then press **Enter** to clear the default name.
3. Enter a name, up to ten (10) characters long.
4. When you have entered your new name, highlight **OK** and then press the **Thumb Stick** in.

Symbol icon

Name field

To change the user symbol:
1. Highlight the face symbol to the left of the **Name** field. Press **Enter** to show a list of available face symbols.
2. Highlight a symbol from the list of selections.
3. Press **Enter** to select that symbol.

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Part Number 190-00742-01 Rev. A   Printed in Taiwan
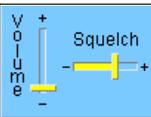
Transmitting on the Rino

The Rino can transmit to and receive voice communications from other FRS/GMRS radio users on the same channel and code. Communicate with other Rino units in order to utilize all of the features of the Rino, such as position sending.

To transmit on your Rino:
1. Press and hold the **Talk** key and speak in a normal voice into the microphone area from a distance of about 3–4 inches.
2. When you are finished talking, release the **Talk** key. Your location is updated on all receiving Rino units.
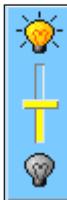
Volume, Squelch, and Backlighting

If you need to adjust the **Volume** and **Squelch**, press the **V** (**Volume**) key on the front of the unit to display adjustment sliders. To change the volume, press the **Rocker** up or down to raise or lower the slider. To set the squelch level (which allows you to hear only the individuals you want to communicate with and not the weak background noise signals), press the Thumb Stick right or left to move the slider. Move the slider to the left (-) until the background noise is audible. Then move it to the right until the background noise stops and you have squelched the unwanted signals. Stop at this point by pressing the **V** key or **Enter**.

If lighting conditions make it hard for you to see the display screen, you can turn on the **Backlight**.

To turn on the backlight:
1. With the unit on, briefly press and release the **Power** key to display the Backlight adjustment slider.
2. Press the **Power** key repeatedly to cycle the slider, or press the **Rocker** up or down to adjust the Backlight brightness level. When you use the Power key to set the level of brightness, the last setting is selected on the second press of the key. The backlight remains on until the set timeout period is completed or the **Power** key is pressed again. The unit is factory set to timeout 15 seconds after the last key press.
3. Press **Enter** to close the Backlight window.

You may want to customize the Display Mode and Color Scheme to your own preferences by accessing the Main Menu, Setup and Display options.