GARMIN

rīno® 130

2-way radio & personal navigator®

quick start guide

Read This First!

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Garmin International, Inc.
1200 E 151st Street, Olathe, Kansas 66062 U.S.A.
Tel. 913/397.8200
Fax. 913/397.8282

Garmin (Europe) Ltd.
Unit 5, The Quadrangle, Abbey Park Industrial Estate, Romsey, SO51 9AQ U.K.
Tel. 44/1794.519944
Fax. 44/1794.519222

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

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INSTALLING THE BATTERIES

IMPORTANT NOTE: *When replacing batteries, use only new or fully recharged batteries and do not mix Alkaline, NiMH, NiCad or Lithium batteries. Rechargeable batteries may typically display less capacity than Alkaline batteries.*

Remove the batteries from the unit if you do not plan to use it for several months. Follow the battery manufacturer's instructions for proper care and disposal of used batteries.

Extensive use of backlighting and/or WAAS will significantly reduce battery life.

The Rino 130 operates on three "AA" Alkaline batteries (not included) located in the back of the unit. Rechargeable Alkaline, NiMH, NiCad, or Lithium batteries may also be used. See the *Rino 130 Owner's Manual* for setting battery type. The unit is factory set to use Alkaline batteries. Stored data is not lost when the batteries are removed.

To install batteries:

1. Remove the battery cover on the back of the unit. Turn the D-ring 1/4 turn counter-clockwise and pull the cover off.
2. Insert batteries observing the polarity reference molded into the unit housing. The negative (-) battery terminal always orients closest to the spring.
3. Reinstall the battery cover by inserting the bottom hinge clip and closing the cover. Turn the D-ring 1/4 turn clockwise.

Getting Started

Getting Started

UNIT OVERVIEW

Power *button:*
- *Press and hold to turn the unit On/Off*
- *Press to adjust contrast and backlighting*

Call *button:*
- *Press to send out Call Tone*
- *Sends position when released (if enabled)*

Talk *button:*
- *Press and hold to talk*
- *Sends position when released (if enabled)*

Page/Quit *button:*
- *Press to cycle through main pages*
- *Used to quit or escape menu items*

Volume (V) *button:*
- *Press to open volume control window*

LCD Display

Thumb Stick

- *Press IN to enter highlighted options and to confirm messages*
- *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 and hold to display Shortcuts Menu.*

Zoom/Map (Z) *button:*
- *From the Map Page, press to open Zoom control window*
- *From any other page, press to display Map Page and press again to open Zoom control*
- *Press and hold in to turn the compass On/Off*

Microphone:
- *Hold unit 3-4 inches away when talking*

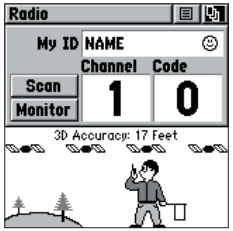
Speaker

Getting Started

Getting Started

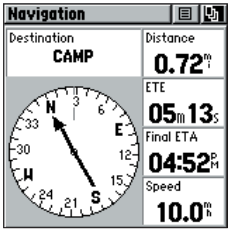
MAIN DISPLAY PAGES

All of the information you need to operate the Rino 130 can be found on six default main pages (or display screens). Simply press and release the **PAGE** button to cycle through the Radio Page, Map Page, Navigation Page, Altimeter Page, Trip Computer, and Main Menu Page. You can also access the Main Pages by pressing the on-screen Main Page button .



Radio Page

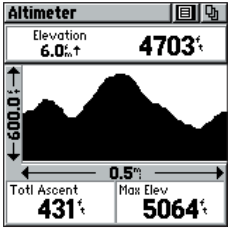
Map Page



Navigation Page

Main Menu

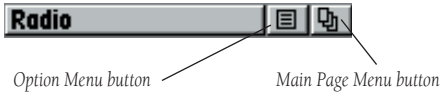
Trip Computer



Altimeter Page

Working in the Main Pages

While these six Main Pages provide you with different types of communication and navigation 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 **THUMB STICK** to highlight the on-screen button, then press the **THUMB STICK** IN, as shown below.



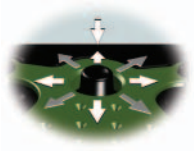
An Option Menu

These menus allow you to access options that provide additional features or customize the unit to your preferences. To exit these and other pop-up type menus, move the ***THUMB STICK*** *to the LEFT or RIGHT.*

Main Page Menu

Use to go directly to a Main Page and as an alternative to cycling through the Main Pages. Double-click on the on-screen button to toggle between two pages.

Using your Rino 130



Example of an on-screen keyboard

USING YOUR RINO 130

Your Rino 130 is very easy to use and operate. The following pages explain how to use the basic and common features of the Rino 130. For complete information about all of the Rino 130 features, refer to your *Rino 130 Owner's Manual*.

Entering Data using the Thumb Stick

Use the **THUMB STICK** like a joystick that you control with your thumb. Move the **THUMB STICK** UP, DOWN, RIGHT, or LEFT. Press the **THUMB STICK** IN to select an item on the screen, much like pressing an Enter button on a computer keyboard.

Sometimes you will need to spell out things using the **THUMB STICK**. A keyboard appears on the screen to allow you to enter characters, such as letters and numbers. To enter characters with the on-screen keyboard, press the **THUMB STICK** UP, DOWN, LEFT, or RIGHT to highlight the desired character (letter, number, or a space). Press the **THUMB STICK** IN 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 the **THUMB STICK** IN.

Other ways to use the THUMB STICK:

- Press IN to enter highlighted options and to confirm messages.
- Move UP/DOWN or RIGHT/LEFT to move through lists, highlight fields, on-screen buttons, icons, enter data or move the map panning arrow.
- Press IN and hold to display Shortcuts Menu.

Changing the Name and Symbol

The 'My ID' (name) and symbol are used to identify you to other Rino users.

To change the unit ID/name:

1. Using the **THUMB STICK**, highlight the 'My ID' field. Press the **THUMB STICK** IN to activate the field and display the keyboard.
2. Move the **THUMB STICK** UP, DOWN, LEFT or RIGHT to highlight the 'Clear' field, then press the **THUMB STICK** IN to clear the default 'Name' ID.
3. Using the method discussed on the previous page, enter an ID, or name, up to ten characters long.
4. When you have entered your new ID, use the **THUMB STICK** to highlight 'OK' and then press the **THUMB STICK** IN.

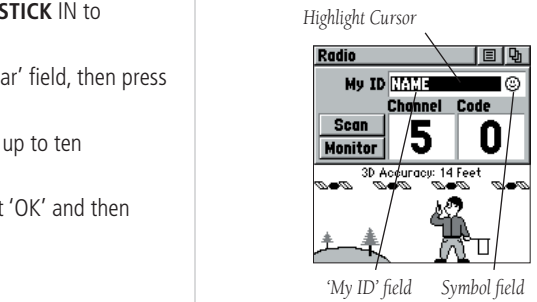
To change the user symbol:

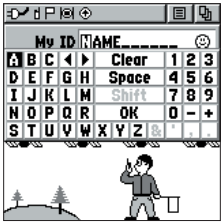
1. Using the **THUMB STICK**, highlight the face symbol to the right of the 'My ID' field. Press the **THUMB STICK** IN to show a list of available face icons.
2. Move the **THUMB STICK** UP or DOWN to scroll through the selections. Because not all the selections can fit in the window, a slider bar on the right side indicates your current position in the list.

***TIP:** Hold the **Thumb Stick** UP or DOWN to scroll through the list more quickly. Once you reach the end of the list, you can 'wrap' back to the top or bottom by releasing the **Thumb Stick** then pressing in the same direction again. This same method may also be used on other selection windows.*

3. Once you have highlighted the desired icon, press the **THUMB STICK** IN.

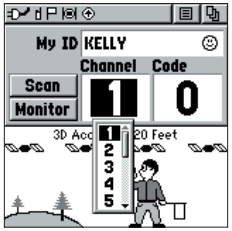
Using your Rino



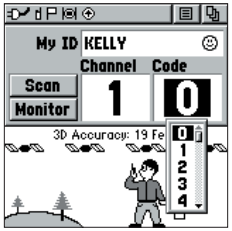


Keyboard for Data entry

Using your Rino



Channel Selection



Squelch code Selection

Setting up the Radio

The Rino 130 comes set from the factory to transmit on the FRS (Family Radio Service) frequencies. Your Rino 130 allows you talk with other FRS users, but if the other radio is a Rino, several other features are available.

The Rino 130 can transmit on fourteen (14) FRS channels and has thirty-eight (38) squelch codes to block unintended conversations from being heard on your radio. Remember, FRS channels are public domain and can be monitored by anyone with an FRS radio.

Features unique to Rino users are the personal ID name (My ID) and face icon (symbol). When talking with other Rino users, your ID and icon is displayed on the receiving radio as your identification. (This feature can be disabled.) After creating your ID name and selecting a symbol, pick a channel and squelch code to transmit on. Be sure to tell the other members of your group what channel and squelch code you are using so they can communicate with you.

To select a channel:

1. Highlight the 'Channel' field and press the **THUMB STICK** IN.
2. Using the **THUMB STICK**, select one of the fourteen (14) available channels. Press the **THUMB STICK** IN to accept the selection.

To select a squelch code:

1. Select the 'Code' field and press the **THUMB STICK** IN.
2. Using the **THUMB STICK**, select one of the thirty-eight (38) available codes. Press the **THUMB STICK** IN to accept the selection.

Using your Rino

Adjusting the Volume

If you need to adjust the volume, press the **V (VOLUME)** button on the front of the unit to display an adjustment slider. To change the volume, press the **THUMB STICK** UP or DOWN to raise or lower the slider. When you have the proper level set, press the **V** button to hide the slider control, or press the **THUMB STICK** IN.

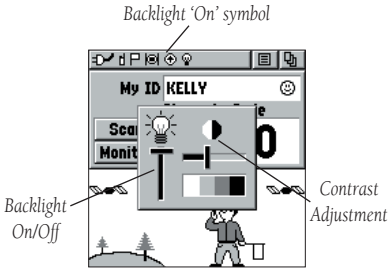
Adjusting the Backlight and Contrast

If lighting conditions make it hard for you to see the display screen, you can adjust the contrast or turn on the backlight.

To turn on the backlight and adjust the screen contrast:

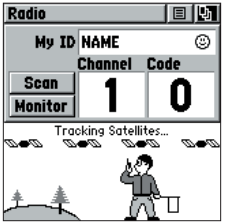
1. With the unit on, briefly press and release the **POWER** button to display the Backlight and Contrast adjustment.
2. Press the **POWER** button, or press UP or DOWN on the **THUMB STICK**, to turn the Backlight On or Off. A light bulb symbol appears on the top Status Bar when the backlight is On.

   The backlight remains on until the set timeout period is completed or the **POWER** button is pressed again. The unit is factory set to timeout 15 seconds after the last button press.
3. Move the **THUMB STICK** to LEFT (Lighter) or RIGHT (Darker) to adjust the contrast.



Backlight/Contrast Adjustment Window

Using your Rino



Tracking Satellite Signals

Initializing the GPS

Before the Rino 130 can be used for navigation, the GPS receiver must be initialized. The initialization process allows the Rino 130 to receive and store satellite information, and begin using the satellites for navigation. The initialization is automatic, should only take a few minutes, and only needs to be done the first time the unit is used.

To initialize the unit:

1. Take the Rino 130 outside where it has an unobstructed view of the sky and turn it on.
2. The unit begins to search for satellite signals. "Tracking Satellites" is displayed while the unit is initializing.
3. Initialization should take no more than five minutes. When the GPS is initialized and ready for navigation, the message "3D Accuracy" is displayed on the Radio Page.

If for some reason the unit is not able to gather the necessary satellite information, please refer to the *Rino 130 Owner's Manual* for more information.

Calibrating the Compass

The electronic compass in the Rino 130 must be calibrated (outdoors away from metal objects) whenever new batteries are installed and before you use the unit for navigation.

To calibrate the compass:

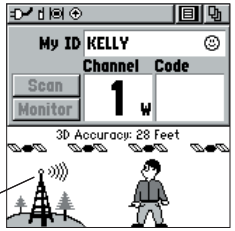
1. Press the **PAGE** button until the Navigation Page is displayed.
2. Use the **THUMB STICK** to highlight the Option Menu on-screen button and then press the **THUMB STICK** IN to display the menu.
3. Highlight the 'Calibrate Compass' option and then press the **THUMB STICK** IN to display the Calibration Page.

   The information screen explains how to calibrate the compass: "To Calibrate Compass: Slowly Turn Two Full Circles In The Same Direction While Holding the Rino Level".
4. Press the **THUMB STICK** IN to activate the 'Start' button. The screen prompts you to "Turn Slowly". Keep the unit level and begin to rotate the Rino 130 in your hand. A "Just Right" message displays when you are turning at the proper rate. If you turn it too slowly or too rapidly, a "Too Slow" or "Too Fast" message appears.
5. When the "Calibration Successful" message appears, use the **THUMB STICK** to highlight the 'OK' button. If a "Calibration Failed" message appears, press the **THUMB STICK** IN to restart the calibration.

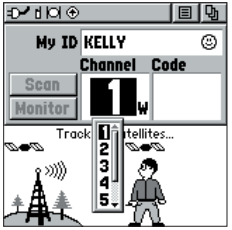
NOTE: *The Rino 130 must be held face up and level during compass calibration and use. The more the unit is tilted on either axis, the less accurate the compass readings will be.*

Calibrating the Compass

Using your Rino



Radio Page with Weather Radio On



Changing the Weather Radio Channel

Using the Weather Radio

The Weather Radio provides a constant update of the weather conditions, which is helpful while outdoors or planning a road trip. The Weather Alert further enhances the Weather Radio by breaking into FRS/GMRS transmissions and automatically broadcasting any weather alerts.

To turn the Weather Radio on and off:

1. Open the Radio Page by pressing the **PAGE** button or using the on-screen Main Page Menu button .
2. Use the **THUMB STICK** to highlight the Option Menu on-screen button and then press the **THUMB STICK** IN to display the menu.
3. When 'Use Weather Radio' is highlighted, press the **THUMB STICK** IN to turn on the Weather Radio. You can select 'Enable Weather Radio' after the Weather Radio is on.
4. To turn the Weather Radio off, press the **THUMB STICK** IN when 'Use FRS/GMRS Radio' is highlighted. This will switch the Rino 130 back over to the FRS/GMRS radio.

When the Weather Radio is on a tower emitting signals is shown in the informational picture on the Radio Page, as shown to the right. The FRS/GMRS radio cannot be used when the Weather Radio is on. Change the Weather Radio channel in the same manner as changing the FRS/GMRS radio channel. There are seven Weather Radio channels (1 though 7) available .

When the Weather Radio is on, 'Enable Weather Alert' is added at the bottom of the option menu. Press the **THUMB STICK** IN when 'Enable Weather Alert' is highlighted to turn the feature on. You can then turn the Weather Radio off and continue normal FRS/GMRS radio operations. When a Weather Alert is detected, the Rino 130 will break into any FRS/GMRS transmission to automatically turn on the Weather Radio and broadcast that alert. Select 'Disable Weather Alert' to turn off that feature.

NAVIGATING WITH YOUR RINO 130

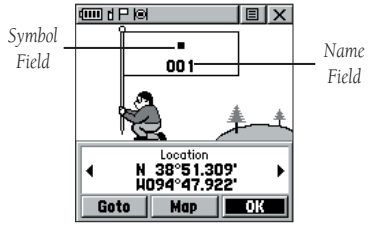
Marking a waypoint is simply capturing your current location and storing it in the unit's memory. The unit must be turned on and tracking satellites to mark a waypoint.

To mark a waypoint:

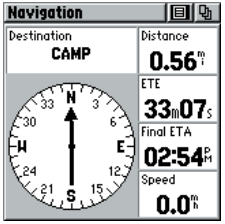
1. Press the **THUMB STICK** IN and hold it until the Shortcuts Menu is displayed.
2. Highlight 'Mark Waypoint' and press the **THUMB STICK** IN to display the Mark Waypoint Page shown to the right.
3. Highlight the 'Name' field and press the **THUMB STICK** IN. Using the method described on page 6, enter a new name. When finished, highlight 'OK' then press the **THUMB STICK** IN.
4. Highlight the 'Symbol' field and press the **THUMB STICK** IN. Choose a symbol then press the **THUMB STICK** IN to accept the selection.
5. Highlight the 'OK' button at the bottom of the page and press the **THUMB STICK** IN to save the waypoint.

To create a breadcrumb trail:

1. Use the **PAGE** button to display the Map Page.
3. The default zoom level is 80 miles. Press the **ZOOM** button to zoom in to view the breadcrumb trail you will make in the next step.
2. Walk away from your original location for at least three minutes. As you are walking, notice that a breadcrumb trail of your path is left on the map. This trail is called a "Track Log".



Mark Waypoint Page



Navigation Page

To begin navigation using Find 'N Go:

1. Press the **THUMB STICK** IN and hold it until the Shortcuts Menu is displayed.
2. Highlight 'Find 'N' Go' and press the **THUMB STICK** IN.
3. Highlight 'Waypoints' and press the **THUMB STICK** IN. You have the option to display saved waypoints by 'Nearest' or by 'Name'. Select the desired option, and press the **THUMB STICK** IN.
4. Highlight the desired waypoint and press the **THUMB STICK** IN.
5. With the Waypoint Page displayed, highlight the 'Goto' button at the bottom of the page and press the **THUMB STICK** IN to begin navigation. The Navigation Page automatically opens to guide you to your destination. See below for more information.

Navigation Page

The Navigation Page is helpful when you are navigating to a destination. The two main components of the Navigation Page are the compass ring and the pointer. As you move, the compass ring rotates showing your current direction of travel 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. If you are off course, the pointer always points you in the right direction. If the electronic compass is off, the unit has to be moving to navigate. If you are standing still or moving very slowly, the navigation data may not be accurate.

To try this feature, begin walking at a normal pace. The compass ring should rotate and the pointer should begin pointing toward your starting point (or you may navigate to the waypoint created in the *To mark a waypoint* section). Turn toward the pointer until it is pointed toward the top and continue walking. Make a few turns to see how the pointer acts. When you are close to your destination a message is displayed alerting you that you have arrived.

PUTTING IT ALL TOGETHER

Since it takes at least two Rino's to use all of the Rino's features, this section explains Rino-to-Rino operation. Make sure that both Rinos are set to the same channel and squelch code, and both are tracking satellites to use the units to their fullest potential.

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 even navigate to their location.

To send your location:

1. Press and release either the **CALL** or **TALK** button, your Rino 130 automatically sends out its location.
2. Other Rino users that are monitoring the same channel and squelch code receive this information.

Using Contacts

The first time that a signal is received from another Rino user, a 'New Contact' page is displayed. From the New Contact page you can show the user's location on your map, 'Goto' that position, select 'OK' to add them to your contact list, or press the **PAGE/QUIT** button to disregard the contact. The Rino 130 can manage up to 50 contacts at any time. Every time that you receive signals from contacts, your map is updated showing their new position and a Track Log of their movement is created and shown on your map.

Rino-to-Rino Operation

New Contact Page

Rino-to-Rino Operation

Transmitting with the Rino 130

The Rino 130 can transmit to and receive messages from other FRS radio users on the same channel and squelch code. To use all of the features of the Rino, communicate with other Rino units.

To transmit on your Rino 130:

1. Press and hold the **TALK** button, and in a normal voice, speak into the microphone area on the front of the Rino 130 from a distance of about 3–4 inches.
2. When you are finished talking, release the **TALK** button. Your location is updated on all receiving Rinos.
3. If you want to call another user or update your location on another Rino, press and release the **CALL** button. This sounds a call tone on all Rinos that are monitoring your channel and squelch code. Your position is updated when your signal is received by the other unit.

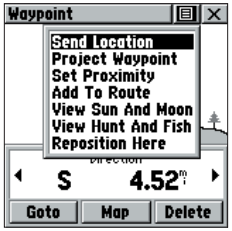
Sending a Location

You can send any location that you have available in your 'Find 'N' Go' 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 'N Go:

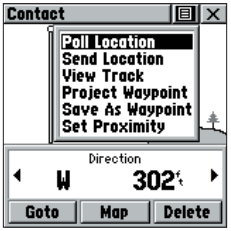
1. Press the **THUMB STICK** IN and hold it until the Shortcuts Menu is displayed, or press the **PAGE** button until the Main Menu is displayed.
2. Highlight 'Find 'N' Go' and press the **THUMB STICK** IN. Highlight 'Waypoints' and press the **THUMB STICK** IN. Select 'Nearest' or 'By Name' and press the **THUMB STICK** IN.
3. Highlight the waypoint that you want to send and press the **THUMB STICK** IN to display the Waypoint Review page.
4. Highlight the Option Menu button and press the **THUMB STICK** IN.
5. Select 'Send Location' and press the **THUMB STICK** IN.

The waypoint location is sent to all Rinos on the same channel and squelch code as you. They can then choose to 'Goto' that location, so everyone can easily find and then meet at that location. Select 'Map' to view the location on the map. You can also save the location for future reference by selecting 'OK'.



Send Location

Rino-to-Rino Operation



Polling a contact's location

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.

To poll a location:

1. Press the **THUMB STICK** IN and hold it until the Shortcuts Menu is displayed, or press the **PAGE** button until the Main Menu is displayed.
2. Highlight 'Find 'N' Go' and press the **THUMB STICK** IN. Highlight 'Contacts' and press the **THUMB STICK** IN.
3. Highlight the contact that you want to poll and press the **THUMB STICK** IN to display the Waypoint Review page.
6. Highlight the Option Menu button and press the **THUMB STICK** IN.
7. Select 'Poll Location' and press the **THUMB STICK** IN.

That contact's location is updated in your Rino 130.

Rino-to-Rino Operation

Sending a Note

You can send a note to communicate silently with other Rino 130 users on the channel and squelch code that you are using. This can be a 'Saved Note' or a new note. (This feature is not available on Rino 110 and Rino 120 units.)

To send a note:

1. Press the **THUMB STICK** IN until the Shortcuts Menu is displayed.
2. Select the 'Send Note' option.
3. To create a new note or edit an existing note, press the **THUMB STICK** IN when the 'Edit Note' field is highlighted. The data entry keyboard appears. Using the same method discussed on page 6, enter your note. Select 'OK' when complete.
4. To use a 'Saved Note' select the desired note from the 'Saved Note' list and press the **THUMB STICK** IN.
5. Select 'Send' to send the note to all Rino 130 users on the same channel and squelch code that you are using. Select 'Save' to save the note for future use. Select 'Clear' to erase the note.

That covers the basic operation of your new Rino 130. If you have further questions or just want to learn more about the operation of Rino 130, refer to the *Rino 130 Owner's Manual*, which provides detailed information about all of your Rino 130's features.

Thanks again for choosing Garmin!

Send Note Page

Editing a note

For the latest free software updates (excluding map data) throughout the life of your Garmin products, visit the Garmin web site at www.garmin.com.

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Garmin International, Inc.
1200 East 151st Street, Olathe, Kansas 66062, U.S.A.

Garmin (Europe) Ltd.
Unit 5, The Quadrangle, Abbey Park Industrial Estate, Romsey, SO51 9DL, U.K.

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

www.garmin.com

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