



Rino® 650

quick start manual



Getting Started

WARNING


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

When using your device the first time, complete these tasks.

1. Install the batteries or battery pack ([page 4](#)).
2. If necessary, charge the lithium-ion battery ([page 4](#)).
3. Acquire satellite signals ([page 5](#)).
4. Set up the radio ([page 5](#)).

Keys



Key	Description
	Select to send out a call tone. If enabled (page 7), the call key sends your position when released.

②	Hold to turn on or off the unit. Select to adjust backlight, volume, squelch level, and to lock or unlock the screen.
③	Hold to talk. PTT stands for push-to-talk.

Manual Conventions

All the pages are found on the home screen. Use ◀ or ▶ to scroll through the pages. The small arrows (>) used in the text indicate that you should select a series of items in order, for example, “Select **Delete** > **Yes**.”

Getting More Information

- Go to www.garmin.com to download the latest manuals.
- Go to <http://buy.garmin.com>, or contact your Garmin dealer for information about optional accessories and replacement parts.

Battery Information



This product contains a lithium-ion battery. To prevent the possibility of personal injury or product damage caused by battery exposure to extreme heat, store the device out of direct sunlight.

The temperature rating for the device may exceed the usable range of some batteries. Alkaline batteries can rupture at high temperatures. Alkaline batteries lose a significant amount of their capacity as temperature decreases. Use lithium batteries when operating the device in below-freezing conditions.

The device operates on the included lithium-ion battery pack or an optional Alkaline battery pack, which uses four AA batteries.

Installing the Lithium-ion Battery

1. Locate the battery pack ① that came in the product box.



2. Align the metal contacts on the battery pack with the metal contacts on the back of the unit.
3. Gently press the battery pack into place.
4. Turn the D-ring clockwise.

Charging the Lithium-ion Battery

Before you use the device the first time, charge the battery.

Charging a fully depleted battery takes 6 hours. The device will not charge when outside the temperature range from 0°C to 45°C (from 32°F to 113°F).

1. Plug the AC charger into a standard wall outlet.
2. Lift the weather cap.
3. Plug the small end of the AC charger into the two-pin connector ①.



4. Charge the device completely. A fully charged battery can run for up to 14 hours before it must be recharged.

Acquiring Satellite Signals

It may take 30 to 60 seconds to acquire signals.

1. Go outdoors to an open area.
2. Turn on the device.
3. Wait while the device searches for satellites.

A question mark flashes while the device determines your location.

The GPS bars indicate satellite strength. When the bars are green, the device has acquired satellite signals.

Radio

The radio page provides interface for UHF CBRS-Australia/ UHF PRS New Zealand radio operations.

Radio Channels

Channel	Frequency
9–30, 39, 40, 49–60, 64–70, 79, 80	UHF CBRS/PRS channels
1R–8R (31–38) 41R–48R (71–78)	Repeater channels

NOTE: Channels 5 and 35 are reserved as emergency channels. Channels 22 and 23 are reserved for data only, and voice transmissions are not allowed. Channels 61, 62, and 63 are reserved for future allocation and should not be used. Communication with another CB station is not authorized on channels 1–8, 31–38, 41–48, and 71–78 within operational range of a CB repeater station.

Choosing a Channel

1. Select **Radio > Channel**.
2. Use + or - to select a channel.



Scanning Channels

You can scan the channels for voice activity.

Select **Radio** > **Scan**.

Setting Up a Scan List

You can pick which channels and codes to scan. Selecting specific channels and codes reduces the scan time and helps prevent missing a transmission.

1. Select  > **Setup Scanlist**.
2. Select a channel to add.
3. Select .

Monitoring for Activity

You can monitor a single channel for any activity, including static and weak voice signals. This is helpful if a signal is going out of range.

Select **Radio** > **Monitor**.

Muting the Radio

1. Select .
2. Select **Volume**.

Contacts


The first time a signal is received from another Rino user, the new contact page appears. From that page you can show their location on the map, navigate to their location ([page 7](#)), or add them to your contacts list.

Saving a New Contact

When a new contact signal is received, the new contact page appears.

Select **OK** to save the contact.

Editing Contacts


1. Select **Contacts**.
2. Select a contact.
3. Select an item.
4. Select .

Viewing Contacts on the Map

1. Select **Contacts**.
2. Select a contact.
3. Select **View Map**.

Navigating to a Contact

Before you can navigate to a contact, you must save the contact (page 6).


1. Select **Contacts**.
2. Select a contact.
3. Select **View Map > Go**.
4. Follow  to your destination.

Notes

NOTE: Notes transmit to all users on your current channel and code.

You can send notes to other Rino users on your current channel and code. You can review previously received notes from your contacts. You can edit and save favorite notes to quickly send them later.

Creating a Note

1. Select **Notes > <Send Note> <New Note>**.
2. Write the note.
The maximum character limit is 13.
3. Select .
4. Select an option:
 - Select **Send Note** to send without saving.
 - Select **Save**.
 - Select **Send and Save**.

About Peer-to-Peer Positioning

You can send your location to another Rino using peer-to-peer positioning. You can also track the movement of other Rino users and navigate to their locations.

Enabling Peer-to-Peer Positioning

Select **Setup > Radio > Send Location > On.**

Sending A Location

Before you can send a location, you must enable peer-to-peer positioning ([page 8](#)).

1. Select **Share Wirelessly > Send.**
2. Select **Use UHF.**
3. Select a category.
4. Select an item.
5. Select **Send.**

Waypoints

Waypoints are locations you record and store in the device.

Creating a Waypoint

You can save your current location as a waypoint.

Select **Mark Waypoint.**

Finding a Waypoint



1. Select **Where To? > Waypoints.**
2. Select a waypoint.

Navigating to a Destination

You can use the Where To? menu to navigate to a destination. Not all Where To? categories are available in all areas and maps.

1. Select **Where To?.**
2. Select a destination.
3. Select **Go.**
4. Navigate using the map ([page 8](#)) or compass ([page 9](#)).

Map

 represents your location on the map. As you travel, the  moves. When you are navigating to a destination, your route is marked with a magenta line.

Using the Map

You can use the map to navigate an active route.

1. Select **Map**.
2. Hold the device level.
3. Follow the magenta route line to your destination.

Compass

The device has a 3-axis compass. You can use a bearing pointer or a course pointer to navigate to your destination.

Calibrating the Compass

NOTICE

Calibrate the electronic compass outdoors. Do not stand near objects that influence magnetic fields, such as cars, buildings, or overhead power lines.

You should calibrate the compass after moving long distances, experiencing temperature changes, or changing the batteries.


1. From the compass page, touch and hold the middle of the compass.
2. Follow the on-screen instructions.

Tracks

A track is a recording of your path. The track log contains information about points along the recorded path, including time, location, and elevation for each point.


Creating a Route

1. Select **Route Planner > Create Route > Select First Point**.
2. Select a category.
3. Select the first point in the route.
4. Select **Use > Select Next Point**.
5. Repeat steps 2–4 until the route is complete.

A route must contain at least two points.
6. Select  to save the route.

Turning On the Backlight


The backlight will turn off after a period of inactivity.

- Select .
- Touch the screen.

Alerts and messages also activate the backlight.

Adjusting the Backlight Brightness

The backlight levels vary for the different power sources. For example, the highest backlight setting while running on AA batteries is lower than the highest while running on the lithium-ion battery. This is to extend the AA battery life.

1. While the device is on, select .
2. Use + and - to adjust the brightness level.

Locking the Screen

NOTE: This action does not lock the keys.

1. Select .
2. Select **Lock Screen**.

Registering Your Device

Help us better support you by completing our online registration today.

- Go to <http://my.garmin.com>.
- Keep the original sales receipt, or a photocopy, in a safe place.

Resetting the Device

If your device screen or keys stop responding, you can reset the device.

1. Remove the batteries.
2. Reinstall the batteries.

NOTE: This does not erase any of your data or settings.

Additional Maps

You can use additional maps in the device, such as BirdsEye satellite imagery, BlueChart® g2, and City Navigator® detailed maps. Detailed maps may contain additional points of interest, such as restaurants or marine services. For more information, go to <http://buy.garmin.com> or contact your Garmin dealer.

Optional Accessories

Optional accessories, such as the Alkaline battery pack, mounts, preloaded map memory cards, fitness accessories, and replacement parts, are available at <http://buy.garmin.com> or from your Garmin dealer.

www.garmin.com/support



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