GARMIN

Rino® 650N series
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 battery (page 4).
2. Charge the battery (page 4).
3. Install the VHF antenna (page 5).
4. Acquire satellite signals (page 5).
5. Select a channel (page 6).
6. Calibrate the compass (page 9).
7. Register the device (page 2).

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**."

Registering Your Device

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

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.

Keys and Antennas

Item	Name	Description
①	GPS	GPS antenna for satellite signals
②	VHF	VHF antenna for radio.

③	⏻	Hold to turn on or off the device. Select to adjust backlight, volume, squelch level, and to lock or unlock the screen.
④	**PTT**	Hold to talk. **PTT** stands for push-to-talk.
⑤	📡	Select to send out a call tone. If enabled (page 7), the call key sends your position when released. Hold for 3 seconds to send an emergency alert (page 10).

NOTE: Do not push **PTT** when there is no VHF antenna attached.

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 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. Align the metal contacts on the battery pack ① with the metal contacts on the back of the device.

2. Press the battery pack into place.
3. Turn the D-ring clockwise.

Charging the Lithium-ion Battery

Before you use the device the first time, charge the battery. The device will not charge when outside the temperature range from 32°F to 113°F (from 0°C to 45°C).

1. Plug the AC charger into a standard wall outlet.
2. Lift weather cap.

3. Plug the small end of the AC charger into the two-pin connector ①.

4. Charge the device completely.

Charging a fully depleted battery takes 6 hours.

Installing the VHF Antenna

NOTE: Do not push **PTT** when there is no VHF antenna attached.

1. Select the proper antenna for the area:

- If you are in Norway, select the antenna with the notches ①.
- If you are in Sweden, select the antenna without notches ②.

2. Screw the antenna into the VHF antenna connector.

3. Hold ① to turn on the device.

4. Select **Setup** > **Radio** > **Frequency Band**.

5. Select **Norway** or **Sweden**.

Acquiring Satellite Signals

It may take 30 to 60 seconds to acquire signals.

1. Go outdoors to an open area.

2. Hold ① to turn on the device.

3. Wait while the device searches for satellites.

   A question mark flashes while the device determines your location.

4. Select ① to open the status page.

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

VHF Radio Information

This product may only be used on specific radio frequencies, which vary depending on the country of use. See the product packaging or go to www.garmin.com for details regarding the radio frequency of this product.

Choosing a Channel

NOTICE
The GPS performance may be affected when transmitting on Norway channels 1, 3, 5, and 7.

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**.

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.

Navigating to a Contact

Before you can navigate to a contact, you must save the contact (page 7).

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

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** > **Send Location** > **On**.

Sending Your Location

Before you can send a location, you must enable peer-to-peer positioning (page 7).

1. Select **Share Wirelessly** > **Transmit on Radio**.
2. Select a category.
3. Select an item.
4. Select **Send**.

Creating a Waypoint

Waypoints are locations you record and store in the device. You can save your current location as a waypoint.

Select **Mark 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 8).

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 ▲ 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.

NOTE: When the device is in an auto mount, the compass displays GPS heading, not magnetic heading.

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, select **MENU**.
2. Select **Calibrate Compass** > **Start**.
3. 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.

Sending an Emergency Alert

⚠ CAUTION

Once initiated, the location of the emergency alert is not updated. Do not move around after you send the call. If you must move, cancel the call, and initiate a new one with your new location.

In case of an emergency, you can send your location to radio users in the area who are using your current channel. Responders can then navigate to the emergency location.

1. Hold 📡 for 3 seconds.
2. Select **Yes**.

The emergency alert is broadcast once every 30 seconds, until you cancel the call or someone responds.

Navigating to an Emergency Alert

1. When you receive an emergency alert, select **Help** to respond.

   The map page opens with the route to the emergency alert location marked with a magenta line.

2. Navigate using the map (page 8) or compass (page 8).

   As you navigate to the caller, your position updates are sent.

3. Push **PTT** to communicate with the caller.

Connecting a Bluetooth® Headset

1. Turn on the headset, and enable the Bluetooth component.

   You can refer to the headset documentation for specific instructions about enabling Bluetooth wireless technology.

2. Bring the headset within 30 feet (10 meters) of the device.

3. Select **Setup** > **Bluetooth** > **Bluetooth** > **Enable**.

4. Select **Bluetooth Device** > **<Add Device>**.

   The device begins searching for headsets.

5. Select the headset from the list.

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.

www.garmin.com/support

🇺🇸	913-397-8200 1-800-800-1020	🇬🇧	0808 238 0000 +44 870 850 1242	🇨🇦	1-866-429-9296	🇦🇹	43 (0) 3133 3181 0
🇧🇪	00 32 2 672 52 54	🇩🇰	00 45 4810 5050	🇫🇮	00 358 9 6937 9758	🇫🇷	00 331 55 69 33 99
🇩🇪	0180 5 / 42 76 46 - 880	🇮🇹	00 39 02 3669 9699	🇳🇱	0800-0233937	🇳🇴	815 69 555
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