



GARMIN RINO 650

Rino 650 combines a 5 W FRS/GMRS radio with a 2.6" glove-friendly color touchscreen GPS packed full of powerful features like a barometric altimeter, 3-axis electronic compass and NOAA weather radio.



Pinpoint Your Position

With its high-sensitivity GPS receiver and quad helix antenna, Rino 650 quickly finds your position and maintains it – even in heavy cover. Plus, a built-in barometric altimeter and 3-axis compass make it easy to get your bearings without the need to hold it level.

See Your Surroundings

The device comes with a worldwide basemap with shaded relief, so you can navigate anywhere with ease. Adding more maps is easy with Garmin's wide array of detailed topographic, marine and road maps. With its microSD™ card slot, Rino 650 lets you load [TOPO U.S. 24K](#) maps and hit the trail or plug in [BlueChart® g2](#) preloaded cards for a great day on the water. The device also supports [BirdsEye Satellite Imagery](#) (subscription required), that lets you download satellite images to your device and integrate them with your maps. In addition, Rino 650 is compatible with [Custom Maps](#), free software that transforms paper and electronic maps into downloadable maps for your device.

Find Your Friends

Rino 650's unique Position Reporting capability lets you send your exact location to other Rino users so they can see it on their map page. Plus, improved audio performance means it's easy to communicate with any other conventional FRS/GMRS radio in the area. It can be useful in an emergency, or just a handy way to keep tabs on your hunting party, hiking partner, family or friends.

Stay in Touch

With plenty of transmit power, Rino 650 also lets you send unit-to-unit text messages to other Rino users in your area – it's ideal for loud or windy conditions, or just when you don't want to disturb the wildlife. It also lets you share your waypoints, tracks, routes and geocaches wirelessly with other compatible Garmin handheld devices.

View Weather Watches and Warnings

For added safety, Rino 650 features a built-in NOAA weather radio that can help you avoid hazardous weather. The radio supports Specific Area Message Encoding, which allows you to see National Weather Service warnings and watches displayed county-by-county on the map screen.

Plan Your Next Trip

Take charge of your next adventure with [BaseCamp™](#), software to view and organize your maps, waypoints, routes, and tracks and send them to your Garmin device. This free trip-



planning software displays topographic map data in 2-D or 3-D on your computer screen, including contour lines and elevation profiles. It also can transfer an unlimited amount of satellite images when paired with a BirdsEye Satellite Imagery subscription as well as geotag photos, or associate them with specific waypoints.

FEATURES:



Advanced Contact Tracking

What's in a name? A lot when it comes to Rino. Now, you can track 2,000 points of information per contact. Plus, the track manager makes it easy for you to maintain and review who you've been tracking.



Improved Notes

Gone are the days of missing a note. Rino time stamps and records the notes you receive from contacts for later review, or forwarding.



Dashboards

Bring more functionality to your device with more dashboards in more places. View your elevation plot, coordinates, compass arrow and more on any page, at any time.



Multiple Personalities with Multiple Profiles

Customize Rino to be as well-rounded as you. You can set up different profiles so you can quickly switch personalities based on what you're doing - hiking, driving or more. With Rino, you'll never miss a beat.



View Multiple Contacts

Stay with your group, even when they are far away. Rino lets you view multiple contacts on 1 screen, so even if you're far away, you can see where they are in relation to you. Plus, you can easily route to your friends or regroup if you need to.

Rugged GPS + Radio

- Uses HotFix® and a high sensitivity receiver and quad helix antenna to acquire satellites
- Offers an improved base map with Digital Elevation Model
- Offers improved mapping support with access to [TOPO U.S. 24K](#), [BirdsEye Satellite Imagery](#), [Garmin Custom Maps](#), [City Navigator NT®](#), [BlueChart® q2](#) and more (sold separately)
- Uses a universally accepted GPX file format to store your data and allow compatibility with your computer
- Offers innovative features like a 2.6" glove-friendly color touchscreen, barometric altimeter and 3-axis electronic compass
- Allows you to send unit-to-unit text messages (via radio signals) to other Rino users in the area as well as share your waypoints, tracks, routes and geocaches wirelessly



TECHNICAL SPECIFICATION:

Physical & Performance:	
Unit dimensions, WxHxD:	2.4" x 7.5" x 1.8" (6.0 x 19.0 x 4.5 cm)
Display size, WxH:	1.43" x 2.15" (3.6 x 5.5 cm); 2.6" diag (6.6 cm)
Display resolution, WxH:	160 x 240 pixels
Display type:	transflective, 65-K color TFT
Weight:	11.3 oz (320 g) with battery pack
Battery:	removable, rechargeable lithium-ion battery pack
Battery life:	14 hours (up to 18 hours with optional AA battery pack)
Waterproof:	yes (IPX7)
High-sensitivity receiver:	yes
Interface:	high-speed USB and NMEA 0183 compatible
Maps & Memory:	
Basemap:	yes
Preloaded maps:	no
Ability to add maps:	yes
Built-in memory:	1.7 GB
Accepts data cards:	microSD™ card (not included)
Waypoints/favorites/locations:	2000
Routes:	200
Track log:	10,000 points, 200 saved tracks
Features & Benefits:	
Automatic routing (turn by turn routing on roads):	yes
Electronic compass:	yes (tilt-compensated, 3-axis)
Barometric altimeter:	yes
Camera:	no
Picture viewer:	yes
Unit-to-unit transfer and ANT+™ compatible:	yes
Hunt/fish calendar:	yes
Sun and moon information:	yes
Area calculation:	yes



Other:	
Frequency band:	FRS and GMRS
Channels:	22
Squelch codes:	38 (CTCSS); 83 (DCS)
Transmit power:	0.5 watts FRS, 2.0 watts GMRS (Canada), 5.0 watts, GMRS (US)
Range:	Up to 2 miles over FRS; up to 20 miles over GMRS (US); up to 13 km over GMRS (Canada)
VOX (voice activation):	yes
Location reporting (send and receive GPS positions):	yes
Vibration alert:	yes
NOAA weather radio:	yes