Raymarine®

A SERIES

new

GPS
Chartplotters

- RC400
- RC435
- RC435i

GPS Chartplo

A S E R I E S

Daylight Viewable Color Display

Submersible

RC400
Portable GPS Chartplotter

The RC400 packs big navigation features into a compact and portable GPS that harness's the power of Navionics Gold cartography for paper chart like clarity, and fast screen updates. Both fixed mount and portable, the RC400 comes standard with a mounting bracket and cables for 12-volt power and NMEA 0183 interfacing. The battery compartment holds 4 AA rechargeable Nickel metal hydride (NiMH) batteries and also accepts alkaline batteries for added convenience.

- 3.5" Daylight viewable transflective color LCD

- Submersible to IPX7 Standard: Submersible to 1 meter for at least 30min.

- 12 Channel Satellite Differential GPS with WAAS

- Built in world map and Navionics Gold chart support on compact flash cards

- Unlimited waypoint, route and track storage using compact flash cards

- Raymarine SmartRoute™ automatically builds routes and waypoints from previous tracks

- Autozoom Mode intelligently maintains your vessel and your waypoint on the best chart scale while underway

- Screen Amplifier automatically offsets your vessel position for maximum "look ahead" on the chart display

- Chart rotation modes: North Up; Course Up and Head Up

- Accepts 4 AA NiMH rechargeable (included) or alkaline batteries for handheld operation

- Supplied with Cradle/Charger and NMEA/Power cable

About Navionics Gold Charts

NAVIONICS Gold

- Familiar appearance of a paper charts

- A clear uncluttered chart display on every range scale

- Shaded Depth Contours

- Real-world shapes and colors of buoys and navaids.

- Spot Soundings

- Tides and Currents

- Port Plans and Port Service Guides

To learn more about Navionics Gold charts and to browse the complete Navionics chart catalog go to www.navionics.com

Daylight Viewable Color Display
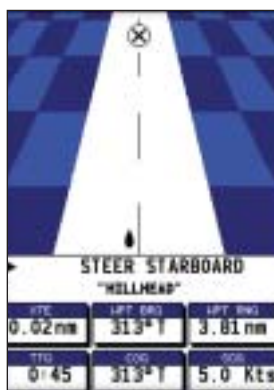
RC435

RC435i

Essential navigation data is clearly displayed in one of three information pages.

BDI (Bearing Distance Indicator) combines digital and graphic "steer to waypoint" information on a full screen display

Full screen CDI (Course Deviation Indicator) graphics guide you to your waypoint.

The RC435 and 435i are full-featured compact chartplotters designed for fast performance and uncomplicated navigation. Featuring high-resolution color displays, professional quality vector cartography, and "point and shoot" navigation RC435 is the clear and simple choice for advanced electronic charting. This compact charting powerhouse is available in two versions, the RC435 with external antenna or the easy-to-install RC435i with a built in antenna.

- Bold 5.7" Daylight Viewable color display

- Paper like color chart display using Navionics Gold Chart cartography

- Compact Flash support for cartography and unlimited waypoint, route and track storage

- Raymarine SmartRoute™ automatically builds routes and waypoints from previous tracks

- Autozoom Mode intelligently maintains your vessel and your waypoint on the best chart scale while underway

- Screen Amplifier automatically offsets your vessel position for maximum "look ahead" on the chart display

- Standard 12 channel Satellite Differential GPS receiver for extreme accuracy using WAAS

- Rugged waterproof (CFR46 standard) display and Raymarine reliability backed by a two-year limited warranty
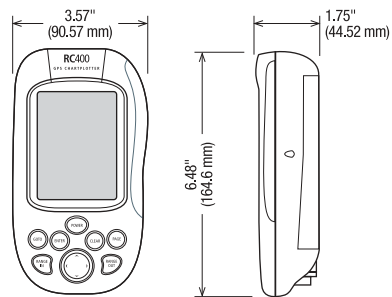
RC400 Specifications

Display Size and Type	3.5″ Advanced Transflective TFT Color LCD
Dimensions	(H x W x D) 6.48″ x 3.57″ x 1.75″
	(164.6mm x 90.6mm x 44.5mm)
Weight	15.2 oz (431g), including batteries
Operating Temp Range	-10 deg C to 50 deg C
Storage Temp Range	-20 deg C to 70 deg C
Humidity	up to 95% RH
Controls	7 defined keys and trackpad
Interface	NMEA 0183 - receive and transmit,
	waypoint upload and download
Cartography	Navionics Gold Charts on compact flash

Chartplotter Specifications

Waypoints	500
Waypoint Names	8 character
Routes	20 routes with up to 50 waypoints each
Route Names	8 character
Alarms	Arrival / XTE / Anchor / No Fix
	Tides/Current Predictions Via chart
	Sunrise/Sunset Predictions Via chart
External Memory	Store Waypoints / Routes / Tracks on
	Compact Flash cards up to 128MB

GPS Specifications

Signal Acquisition	12-channel parallel (C / A Code)
Satellite Differential Type	WAAS / EGNOS / MSAS ready
Differential Acquisition:	Automatic
Position Accuracy (RMS)	< 15 m
Position Accuracy (SD GPS)	< 5 m
Time to First Fix	(from cold start)
	Typically < 3 min, 4 minutes max

A | S E R I E S

Submersible

3.57"
(90.57 mm)

1.75"
(44.52 mm)

RC400
GPS CHARTPLOTTER

6.48"
(164.6 mm)

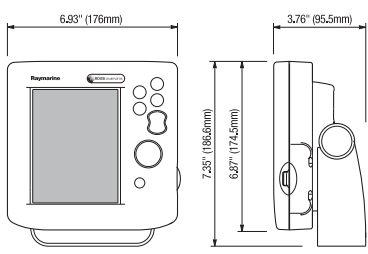## RC435/RC435i Specifications

Display type	5.7" 1/4 VGA 16 Color TFT Display
Nominal Voltage	10-18 Volts
Power Consumption	10 Watts (backlights on full)
Interface	NMEA 0183 output (GGA, GLL, RMC, VTG, GSA,
	GSV, ECXTE, ECBWR, ECRMB, ECAPB)
Cartography	Navionics Gold Chart

Chartplotter Specifications

Waypoints	500
Waypoint Names	8 character
Routes	20 routes with up to 50 waypoints each
Route Names	8 character
Alarms	Arrival / XTE / Anchor / Fix
Tides/Current Predictions	Via chart
Sunrise/Sunset Predictions	Via chart

GPS Specifications

Signal Acquisition	12-channel parallel (C / A Code)
Antenna	RC435i: Internal passive
	RC435: External passive with 10m cable
Satellite Differential Type	WAAS / EGNOS / MSAS ready
Differential Acquisition	Automatic
Position Accuracy (RMS)	< 15 m
Position Accuracy (SD GPS)	< 5 m
Time to First Fix (from cold start)	Typical < 2.5 min (< 40 sec)
Time to First Fix (after initial cold start)	Typically < 8 seconds

6.93" (176mm)

3.76" (95.5mm)

Raymarine

7.35" (186.6mm)

6.87" (174.5mm)

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