

SIMRAD®

R2009 Radar Control

The Simrad R2009 is a dedicated Radar Control Unit with integrated 9-inch portrait display, compatible with a range of Simrad radar solutions including Halo™ Pulse Compression, Broadband 3G™/4G™, and HD Digital Radar. Engineered to serve in non-SOLAS applications aboard coastal and offshore fishing vessels, crew boats, tugs and other workboats, the R2009 offers versatile flush or bracket-mount installation options and intuitive keypad-based operation for reliable control in all conditions.



Dedicated Radar Control Display

The R2009 was engineered to meet the need for a dedicated Radar Control Unit to serve in non-SOLAS applications aboard commercial vessels, bringing a professional-grade radar interface to the unapproved radar category. The R2009 is well suited to a variety of applications such as navigation, docking, anti-collision and anti-piracy – providing an always-visible, easy-to-operate radar display.

Type Approvals and Compliances

The R2009 meets IEC62252 (pending) small craft radar requirements when paired with one of the following radar scanners:

- Simrad HALO-3 Pulse Compression Radar
- Simrad HALO-4 Pulse Compression Radar
- Simrad HALO-6 Pulse Compression Radar
- Simrad 3G Broadband Radar
- Simrad 4G Broadband Radar
- Simrad TXL-10S-4 HD Digital Radar
- Simrad TXL-10S-6 HD Digital Radar
- Simrad TXL-25S-7 HD Digital Radar

Technical specifications overleaf.

9-inch Portrait Radar Control Unit

With a compact 9-inch display in portrait orientation, the R2009 maximises screen size where limited mounting space is available. The vertical presentation allows for a radar PPI almost the full width of the screen; alarms, indicators, and target tracking information are shown in widescreen panels above and below the main radar display. The R2009 is ideal for outside use, with an ultra-bright backlight for sunlight visibility.

Rugged Design with Flexible Mounting Options

The R2009 may be flush mounted, ideal for installation aboard new vessels. Alternatively, the included gimbal bracket is well suited to outside installations or pilothouse refits. With watertight rear connectors, the R2009 is IPX7 water-resistant from all sides, in either flush or bracket-mount installation.



Keypad Operation with Direct-Access Menu Keys

The R2009 is operated by an integrated keypad and rotary dial. Direct-access menu keys beside the display operate adjacent on-screen menu options, for quick and intuitive access to key settings and features. With reliable, long-life operation and clear tactile feedback, the R2009's large buttons are suitable for use in rough seas, while travelling at speed, and with wet or gloved hands.

Networking & Expansion

The R2009 Radar Control Unit connects to compatible Simrad radar systems via Ethernet, offering simple installation and easy networking of multiple control units and radar systems. The R2009 also includes dual NMEA 0183® ports and NMEA 2000® connectivity for compatible devices such as heading and speed sensors, AIS, and GPS.

Main Features:

- Dedicated Radar Control Unit
- Compatible with Simrad Halo™ Pulse Compression, Broadband 3G™/4G™, and HD Digital Radar systems
- Computer controlled auto tuning system
- Sensitivity anti-sea clutter time control to allow an optimum picture under adverse weather conditions
- Consistent automatic target tracking
- Meets IEC 62252 (pending) when paired with specified Simrad radar systems
- 9-inch 480x800-pixel portrait LCD
- High brightness for outside use
- Keypad and rotary-dial interface with 8 direct-access menu keys
- Bracket and flush-mount installation options
- Full-sized SD card slot for logs and software updates
- Ethernet, NMEA0183 & NMEA2000 connectivity

Technical Specifications

OVERVIEW

Display Size	9-inch portrait
Screen Brightness	≥1200cd/m²
Networking Capability	2x NMEA0183, 1x NMEA2000, 1x Ethernet
Video Integration	None

DISPLAY

Display Resolution [pixels & pixels]	480 x 800
Display Type	9-inch LED-backlit Colour TFT LCD

TECHNICAL/ENVIRONMENTAL

Operating Temperature	-15°C to +55°C / 5°F to 131°F
Waterproof Standard/Rating	IPX7
Specified Standards	CE, RTCM SC112 Radar for non-IMO vessels, IEC62252 European small craft radar Class B
Product Width	224.3 mm / 8.83 in
Product Depth	82.3 mm / 3.24 in
Product Height	260.1 mm / 10.24 in
Product Weight	1.95 kg / 4.3 lb

POWER

Power Supply (Supply Voltage)	12-24 V DC
Power Consumption	11 W

OTHER

Languages
Built-in: US English, UK English, French, Spanish, Portuguese, Portuguese (Brazil), Italian, Dutch, German, Swedish, Finnish, Norwegian/Danish, Icelandic, Russian, Ukrainian, Slovakian, Croatian, Hungarian, Bulgarian, Greek, Polish, Estonian, Czech, Afrikaans, Farsi, Arabic, Urdu (Pakistan), Indian Dialects (Hindi), Sri Lankan, Turkish, Malay, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Vietnamese, Gujarati, Tamil, Indonesian
Supported via Language Packs: Farsi, Arabic, Urdu (Pakistan), Indian Dialects (Hindi), Sri Lankan, Turkish, Malay, Simplified Chinese, Traditional Chinese, Japanese, Korean, Thai, Vietnamese, Gujarati, Tamil

Please Note: Specifications are subject to change.

DISTRIBUTED BY:



Mackay Marine
+1 281 479 1515 marinesales@mackaymarine.com
Mackay Communications, Satellite Solutions
+1 919 850 3100 satserv@mackaycomm.com
Mackay Marine Canada
+1 902 469 8480 sales.canada@mackaymarine.com
Mackay Govt. Group
+1 904 880 4633 government@mackaycomm.com