Simrad S2009

Simrad S2009 9-inch Fishfinder User Manual

Model: S2009 | Part Number: 000-12185-001

Overview	Setup	Operation	Maintenance	Troubleshooting	Specifications	Support

1. PRODUCT OVERVIEW

The Simrad S2009 Fishfinder is a dedicated marine electronics device designed for precise fish detection. It integrates a Broadband Sounder module and CHIRP technology to provide detailed underwater imaging. The unit features a 9-inch portrait display for enhanced vertical detail and is operated via a user-friendly keypad.
Key features include:

- Integrated Broadband Sounder module and CHIRP technology for advanced fish detection.
- Deep penetration and swift ping speed for efficient underwater scanning.
- Vertical heave compensation for stable and accurate readings in varying sea conditions.
- 9-inch 480x800-pixel portrait LCD for clear viewing.
- High-brightness display suitable for outdoor use, even in direct sunlight.
- Enhanced visibility features: White Line, White Marker, and Color Erase.
- User-friendly operation with 8 direct-access menu keys.
- Versatile mounting options: bracket and flush mount (bracket included).
- Full-sized SD card slot for data logging and software updates.
- Connectivity options: Ethernet, NMEA0183, and NMEA2000.

Figure 1: The Simrad S2009 Fishfinder, front view, displaying sonar data on its 9-inch portrait screen. The keypad and rotary dial are visible on the right side of the unit.

2. SETUP AND INSTALLATION

2.1 Mounting Options

The Simrad S2009 offers two primary mounting methods:

- **Bracket Mount:** The included bracket allows for adjustable tilt and swivel, providing flexibility in viewing angles. This is suitable for surface mounting on a dashboard or overhead console.
- **Flush Mount:** For a more integrated and streamlined appearance, the unit can be flush-mounted into a panel. Refer to the detailed installation guide for template and cutting instructions.

2.2 Power Connection

The unit requires a direct DC power source. Ensure the power supply meets the specifications outlined in the 'Specifications' section of this manual. Connect the power cable securely to the designated power port on the rear of the unit.

2.3 Transducer Connection

Connect your compatible Broadband Sounder or CHIRP transducer to the ECHO port on the rear of the S2009. Ensure the connection is tight and waterproof.

2.4 Network Connections

The S2009 supports various network connections for integration with other marine electronics:

- **Ethernet:** Use the Ethernet port to connect to other Simrad devices or a network switch for sharing sonar data.
- **NMEA2000:** Connect to an NMEA2000 network for sharing data such as GPS position, speed, and water temperature from compatible sensors.
- **NMEA0183:** Utilize the NMEA0183 ports for connecting to older or specific NMEA0183 compatible devices.

Figure 2: Rear view of the Simrad S2009 unit, highlighting the Ethernet, NMEA2000, Power, NMEA0183, and Echo (transducer)

3. BASIC OPERATION

3.1 Powering On/Off

Press and hold the **Power** button (typically marked with a circle and vertical line symbol) located on the keypad to turn the unit on or off. A brief press may access power options or backlight settings.

3.2 Keypad Navigation

The S2009 features 8 direct-access menu keys and a rotary dial for intuitive control. Use the arrow keys to navigate menus and adjust settings. The rotary dial can be used for fine-tuning parameters like gain or zoom, and often includes a push-to-select function.

3.3 Sonar Display Interpretation

The 9-inch portrait display is optimized for vertical detail, showing a longer history of the water column. Fish arches, bait schools, and bottom structure will appear as colored representations. The color palette indicates signal strength, with warmer colors (red, orange) typically representing stronger returns.

- **White Line:** A feature that helps distinguish fish or structure directly on the bottom by drawing a white line at the bottom contour.
- **White Marker:** Used to highlight specific returns on the screen.
- **Color Erase:** Allows for filtering out weaker returns to focus on stronger targets.

3.4 Adjusting Sonar Settings

Access the sonar menu to adjust settings such as:

- **Gain/Sensitivity:** Controls how sensitive the sonar is to echoes. Increase for weaker returns, decrease to reduce clutter.
- **Frequency:** Select between different CHIRP frequencies or traditional broadband frequencies for optimal performance in various depths and conditions.
- **Range:** Adjust the depth range displayed on the screen.
- **Scroll Speed:** Controls how quickly the sonar history scrolls across the screen.

3.5 SD Card Functions

The full-sized SD card slot allows for:

- **Data Logging:** Record sonar logs for later review or analysis.
- **Software Updates:** Download the latest software from the Simrad website and load it onto the unit via the SD card.

4. MAINTENANCE

4.1 Cleaning the Unit

Regularly clean the display and casing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the screen or plastic components. For stubborn dirt, a mild soap solution can be used, followed by rinsing

with fresh water and drying.

4.2 Software Updates

Periodically check the official Simrad website for software updates. Updates often include performance enhancements, new features, and bug fixes. Follow the instructions provided with the update files for installation via the SD card slot.

4.3 Connection Checks

Ensure all cable connections (power, transducer, network) are secure and free from corrosion. Inspect cables for any signs of wear or damage, especially after prolonged exposure to marine environments.

5. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, refer to the comprehensive Simrad S2009 installation and operation manuals available on the official Simrad website or contact customer support.

5.1 Unit Does Not Power On

- Check the power cable connection at both the unit and the power source.
- Verify that the vessel's battery has sufficient charge and that the circuit breaker or fuse for the unit is not tripped or blown.
- Ensure the power button is pressed and held for the required duration.

5.2 No Sonar Image

- Confirm the transducer is correctly connected to the ECHO port on the S2009.
- Check that the transducer is properly installed and submerged in water.
- Verify that the correct transducer type is selected in the unit's sonar settings.
- Adjust the gain/sensitivity settings; it may be too low.

5.3 Poor Sonar Image Quality / Clutter

- Reduce the gain/sensitivity to minimize clutter.
- Ensure the transducer face is clean and free from marine growth or obstructions.
- Check for sources of electrical interference from other onboard electronics.
- Adjust frequency settings; a higher frequency may provide better detail in shallower water, while lower frequencies offer better deep-water penetration.

6. SPECIFICATIONS

Feature	Detail
Brand	Simrad
Model Name	S2009

Feature	Detail
Part Number	000-12185-001
Screen Size	9 Inches
Display Type	LCD
Display Resolution	480x800 pixels (Portrait)
Sonar Technology	Broadband Sounder, CHIRP
Power Source	Direct DC Power
Mounting Type	Bracket Mount, Flush Mount
Connectivity	Ethernet, NMEA0183, NMEA2000
SD Card Slot	Full-sized (for data logging, software updates)
Item Weight	2 Kilograms
Item Dimensions (LxWxH)	8.82 x 2.4 x 10.24 inches

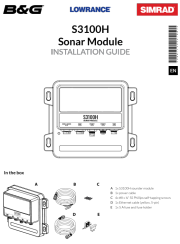## 7. WARRANTY AND SUPPORT
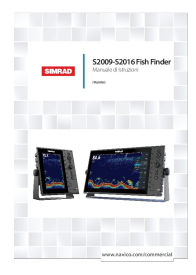
7.1 Warranty Information

For detailed warranty information, please refer to the official Simrad website or the warranty card included with your product packaging. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

7.2 Customer Support

If you encounter issues not covered in this manual or require further assistance, please contact Simrad customer support. Support contact details, including phone numbers and online resources, can be found on the official Simrad website. When contacting support, please have your product model (S2009) and serial number ready.
You can also visit the Simrad Store on Amazon for additional product information and resources.

Related Documents - S2009

Simrad NSX Smart Chartplotter & Fishfinder

Discover the Simrad NSX, an intuitive smart chartplotter and fishfinder designed for boaters. Featuring a vibrant SolarMAX™ IPS touchscreen, advanced C-MAP® navigation, integrated sonar and radar capabilities, and a user-friendly interface, the NSX simplifies setup and enhances your on-water experience.

Simrad S2009-S2016 Fish Finder: Manuale di Istruzioni Ufficiali

Guida completa al funzionamento, configurazione, installazione e manutenzione dei sistemi Simrad S2009 e S2016 Fish Finder. Scopri le funzionalità avanzate e le specifiche tecniche per la pesca e la navigazione marittima.

Simrad S5100 Sonar Module Installation Manual

This installation manual provides comprehensive instructions for the Simrad S5100 Sonar module. It covers product overview, parts included, connectors, installation procedures for mounting and wiring, power connection, MFD integration, transducer connections, troubleshooting with LED indicators, maintenance, spare parts, technical specifications, and dimensional drawings. Designed for marine electronics technicians and advanced users.

SIMRAD S3009 Navigation Echo Sounder User Manual

This user manual provides comprehensive instructions and technical specifications for the SIMRAD S3009 Navigation Echo Sounder system, designed for maritime safety and navigation.

Simrad NSS evo3S Operator Manual - Comprehensive Marine Navigation Guide

Explore the Simrad NSS evo3S Operator Manual for detailed insights into marine navigation, chartplotting, sonar, radar, autopilot, and system customization. Essential guide for boaters.