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› [Simrad NSS12 evo3S Combo Multi-Function Chartplotter/Fishfinder Radar Bundle HALO20+ User Manual](#)

Simrad NSS12 evo3S

Simrad NSS12 evo3S Combo Multi-Function Chartplotter/Fishfinder Radar Bundle HALO20+ User Manual

MODEL: NSS12 EVO3S

Brand: Simrad

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Simrad NSS12 evo3S Combo Multi-Function Display and HALO20+ Radar Bundle. The NSS12 evo3S is a powerful marine electronics system designed to enhance your navigation, fishfinding, and radar capabilities. It integrates advanced charting, sonar, and radar technologies into a single, intuitive unit. Please read this manual thoroughly before using the product to ensure safe and optimal performance.

PRODUCT OVERVIEW



The Simrad NSS12 evo3S Multi-Function Display, showcasing its integrated sonar and radar capabilities. This unit serves as the central hub for navigation, fishfinding, and radar operations.



A detailed view of the Simrad NSS12 evo3S display, illustrating a radar overlay on a chart, providing comprehensive situational awareness.



The Simrad HALO20+ Radar Dome, a key component of the bundle, providing high-resolution radar imaging for collision avoidance and weather tracking.



The Simrad NSS12 evo3S Multi-Function Display paired with the HALO20+ Radar Dome, demonstrating the complete system components.

SETUP

The Simrad NSS12 evo3S is designed for flush mounting. Proper installation is crucial for optimal performance and longevity. Ensure all power connections are secure and waterproof. Connect the HALO20+ radar dome to the NSS12 evo3S unit according to the provided wiring diagrams. Verify all network connections (e.g., Ethernet, NMEA 2000) are correctly established for full system integration. It is recommended to consult a qualified marine electronics technician for complex installations.

Mounting

- **Flush Mount:** Prepare the mounting surface by cutting an opening to the specified dimensions. Secure the unit using the provided mounting hardware.
- Ensure adequate ventilation around the unit to prevent overheating.
- Route cables carefully to avoid kinks or damage, and secure them to prevent strain.

OPERATING INSTRUCTIONS

The NSS12 evo3S features a Color TFT display with intuitive controls. The unit is primarily powered by a 12V DC battery system. Upon powering on, the system will initiate a self-test. Navigate through the menus using the rotary dial and keypad, or via the touchscreen interface. Familiarize yourself with the various modes: Chart, Sonar (Fishfinder), and Radar.

Chartplotter Operation

- Select the 'Chart' page to view your vessel's position on electronic charts.
- Use pinch-to-zoom or the rotary dial to adjust chart scale.

- Create and manage waypoints and routes for navigation.

Fishfinder (Sonar) Operation

- Access the 'Sonar' page to view real-time underwater imagery.
- Adjust gain, range, and frequency settings to optimize sonar returns.
- Identify fish arches, bottom structure, and depth readings.

Radar Operation

- Select the 'Radar' page to display radar targets.
- Adjust range, gain, and sea clutter settings for clear target detection.
- Utilize features like MARPA (Mini Automatic Radar Plotting Aid) for tracking targets.

MAINTENANCE

Regular maintenance ensures the longevity and reliability of your Simrad system.

- **Cleaning:** Clean the display screen with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Connections:** Periodically check all cable connections for corrosion or looseness. Apply dielectric grease to exposed electrical connections in marine environments.
- **Software Updates:** Regularly check the Simrad website for software updates to ensure your unit has the latest features and performance enhancements.
- **Radar Dome:** Keep the radar dome clean and free from obstructions.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

- **No Power:** Check power connections, fuses, and battery voltage. Ensure the unit is properly connected to a 12V DC source.
- **No Sonar Image:** Verify the transducer is properly connected and submerged. Check sonar settings (gain, range).
- **No Radar Display:** Ensure the HALO20+ radar dome is powered on and connected. Check Ethernet cable integrity.
- **Unit Freezes/Unresponsive:** Perform a soft reset by holding the power button until the unit restarts. If the issue persists, consult the Simrad support website.
- **GPS Not Acquiring:** Ensure the GPS antenna has a clear view of the sky. Check antenna connections.

For more detailed troubleshooting or issues not covered here, please refer to the comprehensive support resources available on the official Simrad website.

SPECIFICATIONS

Feature	Specification
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Model Name	NSS12 evo3S
Brand	Simrad
Display Type	Color TFT
Mounting Type	Flush Mount
Power Source	Battery Powered (12V DC)
Item Weight	35.28 Pounds (approx. 16 kg)
ASIN	B0DM3GRDGZ
Date First Available	September 9, 2024

WARRANTY AND SUPPORT

Simrad products are built to high standards and come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Simrad website.


Protection Plans

Extended protection plans may be available for your Simrad NSS12 evo3S system, offering additional coverage beyond the standard manufacturer's warranty. These plans typically cover repairs or replacements for a specified period. Please inquire with your retailer or check online for available options such as 2-Year or 3-Year Protection Plans.

Customer Support

For technical assistance, product registration, or to find authorized service centers, please visit the official Simrad website or contact their customer support directly. You can also visit the [Simrad Store on Amazon](#) for additional product information and resources.

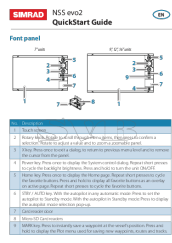
Related Documents - NSS12 evo3S

	<p>Simrad NSS evo3S Operator Manual - Comprehensive Marine Navigation Guide</p> <p>Explore the Simrad NSS evo3S Operator Manual for detailed insights into marine navigation, chartplotting, sonar, radar, autopilot, and system customization. Essential guide for boaters.</p>
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[Simrad NSS7, NSS8, and NSS12 Installation Guide](#)

This installation guide provides comprehensive instructions for setting up Simrad NSS7, NSS8, and NSS12 multifunction displays. Learn about system overview, planning, mounting, wiring, connecting accessories, and specifications for your marine electronics.



[Simrad NSS evo2 QuickStart Guide - Navigation System Setup and Features](#)

This QuickStart Guide provides essential information for setting up and using the Simrad NSS evo2 marine navigation system, covering key features like the font panel, system controls, home page, charts, echosounder, autopilot, and radar.



[Simrad HALO 2000 & 3000 Series Pulse Compression Radars Installation Manual](#)

Comprehensive installation manual for Simrad HALO 2000 and HALO 3000 Series pulse compression marine radar systems. Covers hardware mounting, wiring, setup, and specifications.



[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 GO XSE: Εγχειρίδιο Έναρξης - Οδηγίες Χρήσης και Λειτουργίας](#)

Οδηγός έναρξης για το SIMRAD GO XSE, ένα σύστημα πλοήγησης και απεικόνισης για σκάφη. Καλύπτει βασικές λειτουργίες, χάρτες, πλοήγηση, αυτόματο πιλότο, βυθόμετρο, StructureScan, ForwardScan, και ασύρματη σύνδεση.

