

Simrad B01MY785TX

Simrad NSS evo3: 7-inch Navigation Display User Manual

Model: NSS7 Evo3

Brand: Simrad

1. INTRODUCTION

Welcome to the user manual for your Simrad NSS evo3 7-inch Navigation Display. This multifunction display (MFD) is designed to enhance your on-water experience by providing advanced navigation, fish-finding, and vessel control capabilities. Featuring a SolarMAX HD touchscreen and a robust built-in GPS receiver, the NSS evo3 offers clear visibility and reliable performance in various marine conditions. Please read this manual thoroughly to understand the full potential of your device and ensure safe and optimal operation.

2. PRODUCT OVERVIEW AND KEY FEATURES

The Simrad NSS evo3 is a versatile marine electronics unit, combining a chartplotter, fish finder, and vessel control interface into a single, intuitive device. Its design prioritizes ease of use and durability in the marine environment.

Key Features:

- **Integrated Navigation:** Navigate, find fish, and take total control of your on-water experience.
- **Dual Control Interface:** Seamlessly switch between intuitive touchscreen control with multi-touch gestures and a built-in keypad with rotary control for precise operation in any condition.
- **Advanced Chartplotter:** Full-featured chartplotter navigation display with a built-in GPS receiver, pre-loaded with C-MAP Insight Pro Charts.
- **SolarMAX HD Display:** Engineered to withstand the heat of the summer sun, providing a clear view under any lighting conditions. Optically bonded to prevent condensation or fogging within the display.
- **Built-in Echosounder:** Enables a range of sonar transducer options (sold separately). Features include StructureScan HD imaging for views of fish-holding structure, ForwardScan sonar for safer cruising, and CHIRP-enabled sonar for accurate bottom-tracking and fish-finding.

Product Views:



Figure 2.1: Front view of the Simrad NSS evo3 display, illustrating its chartplotter and advanced sonar capabilities.



Figure 2.2: Simrad NSS evo3 display showing a radar overlay, demonstrating its integration with external radar systems.



Figure 2.3: The main menu interface of the Simrad NSS evo3, providing quick access to various functions like Chart, Echo, Structure, and Radar.



Figure 2.4: Rear view of the Simrad NSS evo3, highlighting the various connectivity ports including NMEA2000, Video, Ethernet, Power, Sonar 1, and Sonar 2.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your Simrad NSS evo3. It is recommended that installation be performed by a qualified marine electronics technician.

3.1 Mounting

The NSS evo3 can be flush-mounted into a dashboard or bracket-mounted. Ensure the mounting location provides adequate ventilation and is protected from direct exposure to extreme elements beyond its waterproof rating.

3.2 Power Connection

Connect the power cable to a suitable 12V DC power source on your vessel. Ensure the connection is fused appropriately and protected from moisture. Refer to the wiring diagram provided in the separate installation guide for detailed instructions.

3.3 Transducer and Network Connections

Connect your compatible sonar transducers to the designated SONAR 1 and SONAR 2 ports. For network integration with other marine electronics (e.g., radar, autopilot, additional displays), utilize the NMEA2000 and Ethernet ports. Bluetooth connectivity is also available for wireless integration with compatible devices.

4. OPERATING INSTRUCTIONS

The Simrad NSS evo3 offers intuitive operation through its multi-touch touchscreen and integrated keypad. This section provides a general overview of its primary functions.

4.1 Powering On/Off

- To power on, press and hold the power button until the Simrad logo appears.
- To power off, press and hold the power button until the shutdown menu appears, then select 'Power Off'.

4.2 Navigating the Interface

- **Touchscreen:** Use familiar multi-touch gestures like pinch-to-zoom on charts, swipe to navigate menus, and tap to select options.
- **Keypad and Rotary Dial:** For precise control, especially in rough conditions, use the dedicated buttons and rotary dial on the right side of the display. The rotary dial can be used to scroll through menus and adjust settings, while the buttons provide quick access to common functions.

4.3 Chartplotter Functions

- Access the Chart view from the main menu.
- Use the touchscreen or rotary dial to zoom in/out and pan across the chart.
- Create waypoints, routes, and tracks to plan and record your journeys.
- Utilize the built-in GPS for accurate position tracking and navigation.

4.4 Sonar Functions

- Select 'Echo' or 'Structure' from the main menu to view sonar data.

- Adjust gain, range, and frequency settings to optimize sonar returns for different depths and conditions.
- Utilize StructureScan HD for detailed underwater imaging and ForwardScan for obstacle avoidance.
- CHIRP sonar provides enhanced target separation and clarity for fish finding.

5. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your Simrad NSS evo3.

- **Cleaning:** Clean the display screen with a soft, damp cloth and mild soap solution. Avoid abrasive cleaners or solvents. Ensure all port covers are securely closed when not in use.
- **Software Updates:** Periodically check the Simrad website for software updates. Keeping your device's software up-to-date ensures you have the latest features, performance enhancements, and bug fixes.
- **Cable Inspection:** Regularly inspect all cables and connections for signs of wear, corrosion, or damage. Replace any damaged components immediately.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Simrad NSS evo3.

6.1 Display Not Powering On

- Check power cable connections at both the unit and the power source.
- Verify the vessel's battery voltage is sufficient (12V DC).
- Check the inline fuse on the power cable.

6.2 No Sonar Image

- Ensure the transducer is properly connected to the correct sonar port.
- Verify the transducer is submerged in water.
- Check sonar settings (gain, frequency, range) to ensure they are appropriate for current conditions.

6.3 GPS Not Acquiring Position

- Ensure the unit has a clear view of the sky (if using internal GPS).
- If using an external GPS antenna, check its connection and mounting location.
- Allow sufficient time for the GPS receiver to acquire satellites.

For more detailed troubleshooting or issues not listed here, please refer to the comprehensive troubleshooting guide on the Simrad support website or contact Simrad customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	Simrad
Model Name	Simrad NSS7 Evo3, MFD/Sonar, Insight Charts

Model Number (ASIN)	B01MY785TX
Screen Size	7 Inches
Special Feature	Touchscreen
Connectivity Technology	Bluetooth
Map Type	Nautical (C-MAP Insight Pro Charts Installed)
Material	Plastic
Item Weight	4.8 Pounds
Item Dimensions (LxWxH)	18 x 10 x 6 inches
Package Weight	3.06 Kilograms
First Available Date	January 11, 2017

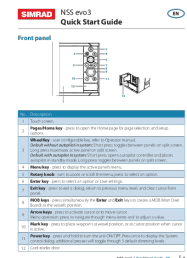




8. WARRANTY AND SUPPORT

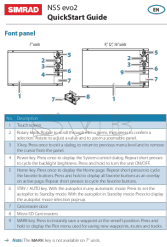
Simrad is committed to providing high-quality marine electronics. For information regarding the product warranty, please refer to the warranty card included with your product or visit the official Simrad website.

For technical assistance, product registration, or to find authorized service centers, please visit the Simrad support portal or contact their customer service department. Keeping your product registered may provide additional benefits and easier access to support.

Protection plans are available for purchase separately to extend coverage beyond the standard manufacturer's warranty. Please refer to your retailer for details on available protection plans.

Related Documents - B01MY785TX

 <p>The image shows the cover of the 'Simrad NSS evo3 Quick Start Guide'. It features a technical diagram of the front panel controls and a list of topics covered in the guide, including: 1. Getting Started, 2. Power On/Off, 3. System Settings, 4. Navigation, 5. Radar, 6. Echosounder, 7. Autopilot, 8. Network, 9. Maintenance, 10. Troubleshooting, 11. Appendix, 12. Index. The cover is white with blue and red accents.</p>	<p>Simrad NSS evo3 Quick Start Guide: Navigation and Autopilot Features</p> <p>A concise guide to the Simrad NSS evo3 multifunction display, covering front panel controls, system settings, chart navigation, echosounder, radar, and autopilot functions.</p>
 <p>The image shows the cover of the 'Simrad NSX Smart Chartplotter & Fishfinder' brochure. It features a dark background with a glowing blue and yellow map on a screen. The text 'NSX' is prominently displayed in white. The Simrad logo is in the top left corner.</p>	<p>Simrad NSX Smart Chartplotter & Fishfinder</p> <p>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.</p>
 <p>The image shows the cover of the 'Simrad NSX Quick Start Guide'. It features a dark background with a glowing blue and yellow map on a screen. The text 'NSX' is prominently displayed in white. The Simrad logo is in the top left corner.</p>	<p>Simrad NSX Quick Start Guide: Setup, Features, and Operation</p> <p>Get started with your Simrad NSX multi-function display. This guide covers initial setup, quick access menu, apps, alerts, system settings, and more for efficient marine navigation.</p>
 <p>The image shows the cover of the 'Simrad GO XSE' brochure. It features a white background with a grid pattern. The text 'GO XSE' is prominently displayed in blue. The Simrad logo is in the top left corner.</p>	<p>SIMRAD GO XSE: Εγχειρίδιο Έναρξης - Οδηγίες Χρήσης και Λειτουργίας</p> <p>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.</p>
 <p>The image shows the cover of the 'Simrad HALO 2000 & 3000 Series Pulse Compression Radars Installation Manual'. It features a dark background with a glowing blue and yellow map on a screen. The text 'HALO 2000 SERIES and HALO 3000 SERIES pulse compression radars' is prominently displayed in white. The Simrad logo is in the top left corner.</p>	<p>Simrad HALO 2000 & 3000 Series Pulse Compression Radars Installation Manual</p> <p>Comprehensive installation manual for Simrad HALO 2000 and HALO 3000 Series pulse compression marine radar systems. Covers hardware mounting, wiring, setup, and specifications.</p>



[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 front panel, system controls, home page, charts, echosounder, autopilot, and radar.