

Simrad DSI-093

Simrad NSO EVO3S 16-inch Multifunction Display User Manual

Model: DSI-093

1. INTRODUCTION

The Simrad NSO EVO3S is a high-performance 16-inch multifunction display designed for marine navigation systems. It features an iMX 8 high-performance processor for rapid responses and a Full HD display for clear visibility. This unit integrates with various marine accessories including GPS, radar, sonar, and keypad controllers to create a comprehensive vessel-wide system.

This manual provides essential information for the installation, operation, and maintenance of your Simrad NSO EVO3S 16-inch Multifunction Display.

2. SAFETY INFORMATION

Please read all safety information before installing or operating the device. Failure to follow these instructions may result in product damage, personal injury, or poor performance.

- Ensure the power supply is disconnected before performing any installation or maintenance.
- Installation should be performed by qualified personnel to prevent damage to the unit or vessel.
- Do not expose the unit to extreme temperatures or direct sunlight for prolonged periods.
- Use only approved accessories and cables with this device.
- Keep the display clean and free from obstructions to ensure proper ventilation.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Simrad NSO EVO3S 16-inch Multifunction Display
- Dashboard Mount

- Documentation (this manual, warranty information)
- *Additional cables and accessories may be sold separately.*



Image 1: Simrad NSO EVO3S 16-inch Multifunction Display. This image shows the front view of the display unit, highlighting its large screen and sleek design, typically mounted on a dashboard.

4. SETUP AND INSTALLATION

4.1 Mounting the Display

The Simrad NSO EVO3S is designed for dashboard mounting. Ensure the chosen location provides adequate space for the unit, allows for proper ventilation, and offers a clear view for the operator.

1. Select a suitable flat surface on the dashboard for mounting.
2. Use the provided dashboard mount template to mark drilling locations.
3. Drill pilot holes as indicated by the template.
4. Secure the dashboard mount to the surface using appropriate fasteners (not included, refer to vessel specifications).
5. Attach the NSO EVO3S display to the mounted bracket, ensuring it is securely fastened.

4.2 Electrical Connections

Connect the display to your vessel's power supply and other marine electronics.

- **Power:** Connect the power cable to a suitable 12V DC power source on your vessel. Ensure proper fusing.
- **NMEA 2000:** Connect to your NMEA 2000 network for communication with other compatible devices such as GPS, radar, and sonar modules.
- **Ethernet:** Use Ethernet cables for high-speed data transfer with radar, sonar, and other network devices.
- **Wireless Connectivity:** The unit supports Bluetooth and Wi-Fi for wireless connectivity with compatible devices.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **To Power On:** Press and hold the power button located on the unit until the Simrad logo appears.
- **To Power Off:** Press and hold the power button until the power options menu appears, then select "Power Off".

5.2 Touchscreen Control

The NSO EVO3S features a responsive touchscreen for intuitive control. Use gestures similar to a smartphone or tablet:

- **Tap:** Select items, open menus, or activate functions.
- **Swipe:** Navigate through menus or pan across charts.
- **Pinch-to-Zoom:** Adjust the zoom level on charts or sonar displays.
- **Long Press:** Access contextual menus or advanced options.

5.3 Navigation and Charting

The display supports various cartography brands including Navionics, C-Map, and Lowrance. Ensure your preferred charts are installed on a microSD card (compatible flash memory type) and inserted into the unit.

- Access the Chart application from the home screen.
- Use the touchscreen to pan and zoom.
- Create waypoints and routes by tapping on the chart.
- Monitor your vessel's position using the integrated GPS.

5.4 Sonar and Radar

If connected to compatible sonar transducers and radar domes, these functions can be accessed from the home screen.

- **Sonar:** View depth, fish arches, and bottom structure. Adjust gain, range, and frequency settings as needed.
- **Radar:** Detect other vessels, landmasses, and weather. Adjust range, gain, and clutter settings for optimal performance.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Simrad NSO EVO3S display.

- **Cleaning the Display:** Use a soft, damp cloth to clean the screen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check the Simrad website for software updates to ensure you have the latest features and performance enhancements.
- **Cable Inspection:** Regularly inspect all cables for signs of wear or damage. Replace damaged cables immediately.
- **Storage:** If storing the vessel for an extended period, ensure the unit is powered off and protected from extreme temperatures and moisture.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Unit does not power on.	No power, faulty cable, blown fuse.	Check power connections, inspect cables, verify fuse.
No GPS signal.	GPS antenna not connected, obstructed view of sky.	Ensure GPS antenna is connected and has a clear view.
Touchscreen unresponsive.	Screen is dirty, temporary software glitch.	Clean the screen. Restart the unit.
No sonar data.	Transducer not connected, faulty transducer.	Check transducer connection. Consult a technician if issue persists.

For further assistance, please contact Simrad customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	Simrad
Model Name	NSO EVO3S
Model Number	DSI-093
Screen Size	16 Inches
Resolution	1920 x 1080
Display Type	LCD
Touch Screen Type	Projected Capacitive
Processor	iMX 8 High-Performance
Connectivity Technology	NMEA 2000, Bluetooth, Wi-Fi
Supported Satellite Navigation System	GPS
Compatible Flash Memory Type	microSD
Mounting Type	Dashboard Mount
Included Components	Dashboard Mount
Item Dimensions L x W x H	16"L x 16"W x 16"H

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Specific warranty details for the Simrad NSO EVO3S are provided with the product documentation. Please refer to

the warranty card included in your package for terms and conditions. Keep your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact Simrad customer support. Visit the official Simrad website for contact information, FAQs, and additional resources.

Simrad Official Website: www.simrad-yachting.com