Simrad 000-16216-001

NSX ULTRAWIDE 12" 3012UW Smart Chartplotter/Fishfinder/MFD User Manual

Brand: Simrad

1. Introduction and Overview

The Simrad NSX ULTRAWIDE 12" 3012UW is a state-of-the-art Smart Chartplotter/Fishfinder/MFD designed to provide an immersive and comprehensive marine navigation and fishing experience. This device integrates advanced charting, sonar, and vessel management capabilities into a single, ultrawide display.

Key features include:

- NSX ULTRAWIDE chartplotter and fishfinder with an all-new aspect ratio for an immersive experience.
- Optimized split-screen functionality for uninterrupted data flows and enhanced possibilities.
- Designed for creating eye-catching, low-profile dashboards.
- Superior charting experience with highly-detailed C-MAP DISCOVER X charts.
- Groundbreaking C-MAP Safety Alerts for automatic hazard detection (e.g., shallow waters, buoys).
- Versatile application for various vessel types including pontoons, surf and wake boats, cruisers, center consoles, and RIBS.

Figure 1.1: NSX ULTRAWIDE 12" display with integrated chartplotter and fishfinder views.

Figure 1.2: The NSX ULTRAWIDE 12" display showcasing its ultrawide aspect ratio with chart, sonar, and media controls.

Figure 1.3: Experience perfectly optimized splits and key benefits of the NSX ULTRAWIDE.

2. SETUP AND INSTALLATION

2.1 What's in the Box

Upon unboxing your NSX ULTRAWIDE 12" unit, verify that all components are present:

- NSX ULTRAWIDE Multi-Function Display (MFD)
- Active Imaging 3-in-1 Transducer

- 4-pin Power Cable and Fuse Box
- · Rear Mount Kit and Dash Gasket
- Suncover

Figure 2.1: Main components included with your NSX ULTRAWIDE purchase.

2.2 Connectivity

The NSX ULTRAWIDE offers robust connectivity options for seamless integration with your vessel's systems:

- Wi-Fi: For wireless updates and connectivity.
- USB: For data transfer and peripheral connections.
- Ethernet: For network integration with other marine electronics.
- NMEA 2000: Industry-standard network for connecting marine sensors and displays.
- Sonar Port: Dedicated connection for the Active Imaging 3-in-1 Transducer.
- Power Input: For connecting to the vessel's power supply.
- Micro SD Slot: For chart cards and data storage.

Figure 2.2: Rear panel connectivity ports for the NSX ULTRAWIDE.

2.3 Mounting

The NSX ULTRAWIDE 12" is designed for flush mounting. Ensure adequate space and proper ventilation for installation. The product dimensions are approximately 13.3 x 3.8 x 6.22 inches (337.72 x 96.52 x 157.99 mm).

Figure 2.3: Dimensional specifications for the NSX ULTRAWIDE 12" display.

3. OPERATING INSTRUCTIONS

3.1 Touchscreen Interface

The NSX ULTRAWIDE features a responsive touchscreen interface for intuitive control. All functions, from chart navigation to sonar adjustments, can be accessed and controlled directly via touch.

Figure 3.1: Interacting with the touchscreen display for navigation and control.

3.2 Chartplotter Functions

Utilize the pre-loaded C-MAP DISCOVER X charts for detailed worldwide mapping. The ultrawide display allows for enhanced chart visibility and optimized split-screen views, enabling you to see more data simultaneously. The revolutionary C-MAP Safety Alerts feature automatically warns you of potential hazards such as shallow waters or buoys ahead.

Figure 3.2: C-MAP Safety Alerts providing anti-ground warnings on the chart.

3.3 Fishfinder and Sonar

The included Active Imaging 3-in-1 Transducer provides advanced sonar capabilities, including CHIRP, SideScan, and DownScan Imaging. This technology allows for clear and detailed views of fish and underwater structures, enhancing your fishing success.

Figure 3.3: The NSX ULTRAWIDE provides twice the active area compared to smaller displays, enhancing sonar and chart visibility.

Figure 3.4: Detailed sonar view for identifying fish and underwater topography.

3.4 Engine Monitoring and Integration

Monitor and control your engines directly from the NSX ULTRAWIDE display. The system can integrate with compatible engine systems to display vital information such as RPM, fuel levels, and engine temperature, providing comprehensive control from the helm.

Figure 3.5: Engine monitoring interface on the NSX ULTRAWIDE.

3.5 Multi-Display Configuration

For an even more expansive view, multiple NSX ULTRAWIDE displays can be combined to create a truly immersive and comprehensive dashboard setup.

Figure 3.6: Example of a multi-display setup with NSX ULTRAWIDE units.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Simrad NSX ULTRAWIDE, follow these general maintenance guidelines:

- **Cleaning:** Regularly wipe the screen and unit exterior with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the display or casing.
- **Connections:** Periodically check all cable connections (power, transducer, network) to ensure they are secure and free from corrosion.
- **Software Updates:** Keep the unit's software updated to the latest version. Check the Simrad website for available updates and instructions.
- **Storage:** When not in use for extended periods, especially in harsh conditions, use the provided suncover to protect the display from UV exposure and environmental elements.

5. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, refer to the comprehensive online manual or contact Simrad support.

- Unit Does Not Power On:
 - Check the power cable connection to the unit and the vessel's power source.

- Verify the fuse in the fuse box is intact. Replace if blown.
- Ensure the vessel's battery has sufficient charge.

• No Sonar Reading:

- Ensure the transducer is properly connected to the unit.
- Verify the transducer is correctly mounted and submerged in water.
- Check sonar settings on the unit to ensure it's enabled and configured correctly.

• GPS Signal Lost:

- Ensure the unit has a clear view of the sky.
- Check for any obstructions that might be blocking the GPS signal.
- Perform a soft reset of the unit if the issue persists.

• Touchscreen Unresponsive:

- Clean the screen to remove any dirt or moisture.
- · Restart the unit.
- If the issue persists, contact customer support.

6. SPECIFICATIONS

Feature	Specification
Model Name	NSX ULTRAWIDE
Item Model Number	000-16216-001
Screen Size	12 Inches
Product Dimensions	13.3 x 3.8 x 6.22 inches
Item Weight	3.3 pounds
Human Interface Input	Touchscreen
Connectivity Technology	Wi-Fi, USB, Ethernet
Mounting Type	Flush Mount
Мар Туре	Worldwide
Included Components	MFD, Transducer, Power Cable, Fuse Kit
Manufacturer	SIMRAD
Country of Origin	Mexico
Date First Available	March 11, 2024

7. WARRANTY AND SUPPORT

For information regarding product warranty, technical support, and service, please refer to the official Simrad website or contact your authorized Simrad dealer. Keep your purchase receipt as proof of purchase for warranty claims.

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