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Furuno MU150HD

Furuno Marine 15" LCD Display User Manual

Model: MU150HD

INTRODUCTION

The Furuno MU150HD is a high-performance 15-inch multi-purpose marine LCD display designed for demanding marine environments. It features exceptional brightness and clarity, making it suitable for various lighting conditions, including direct sunlight. This manual provides essential information for the proper installation, operation, and maintenance of your MU150HD display.

SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing or operating the MU150HD display. Failure to follow these instructions may result in injury, damage to the product, or voiding the warranty.

- **Power Supply:** Ensure the power supply voltage matches the specifications of the display. Incorrect voltage can cause damage.
- **Installation:** Installation should be performed by qualified personnel to prevent electrical shock or damage. Ensure proper grounding.
- **Water Exposure:** While designed for marine use, avoid direct high-pressure water jets on the unit. Ensure all connections are sealed if exposed to the elements.
- **Ventilation:** Do not block ventilation openings. Adequate airflow is necessary to prevent overheating.
- **Cleaning:** Use only a soft, damp cloth for cleaning. Avoid abrasive cleaners or solvents.

PRODUCT OVERVIEW

The Furuno MU150HD is a versatile marine display unit. Key features include:

- **Display:** 15-inch color TFT LCD with 1024 x 768 XGA resolution.
- **Brightness:** 1,000 cd/m2 brightness with anti-reflective (AR) glass filter for superior visibility in various light conditions.
- **Bonded LCD:** Optically bonded LCD and glass for fog-free operation, even in open fly-bridge installations.
- **Scaler:** Built-in scaler supports resolutions up to SXGA (1280 x 1024).
- **Inputs:** Multiple interface options including 1 RGB analog, 2 DVI (Digital Video Interface), and 3 NTSC/PAL video inputs.

- **PIP Capability:** Any of the three NTSC inputs are Picture-In-Picture (PIP) capable, with adjustable size and screen location.
- **Automatic Dimmer:** Sensor adjusts display brightness based on ambient light.
- **Mounting:** Supports table top/ceiling or flush mount installations.

Front Panel Controls

The front panel provides access to essential display controls.



Figure 1: Front view of the Furuno MU150HD Marine LCD Display. The image shows the 15-inch screen displaying a detailed marine chart with landmasses, waterways, and navigation markers. Below the screen, a row of control buttons is visible, including 'MENU', 'DISP', and 'PIP' buttons, along with directional controls and a power button. The display is shown with its integrated stand, suitable for tabletop mounting.



Figure 2: Angled view of the Furuno MU150HD Marine LCD Display. This image provides a slightly different perspective, emphasizing the robust construction and the design of the integrated stand. It also gives a better sense of the display's depth and the potential mounting options.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your MU150HD display. It can be installed as a tabletop/ceiling mount or flush mounted.

Mounting Options

- **Tabletop/Ceiling Mount:** Use the optional mounting bracket (sold separately) to secure the display on a flat surface or suspend it from a ceiling. Ensure the mounting surface is stable and can support the display's weight.
- **Flush Mount:** For a sleek, integrated look, the display can be flush mounted into a panel. Refer to the detailed cutout dimensions provided in the separate installation manual for precise fitting.

Connections

Connect the necessary cables to the rear of the display. Ensure all connections are secure and properly sealed if exposed to moisture.

1. **Power Connection:** Connect the power cable to a compatible DC power source (12-24V DC).
2. **Video Inputs:**
 - Connect your primary video source (e.g., Radar, Sonar, Chartplotter) to one of the DVI or RGB analog inputs.
 - Connect auxiliary video sources (e.g., security cameras, DVD players) to the NTSC/PAL video inputs.
3. **Data Connections:** If applicable, connect data cables for integration with other marine electronics (e.g., NavNet series).

OPERATING INSTRUCTIONS

Powering On/Off

- To power on, press the **POWER** button on the front panel.
- To power off, press and hold the **POWER** button until the display shuts down.

Input Selection

The MU150HD allows you to switch between various connected video sources.

- Press the **INPUT** or **SOURCE** button (if available, otherwise use MENU navigation) to cycle through available inputs.
- Alternatively, navigate through the main menu to the "Input Select" option and choose your desired source.
- Input names can be customized for easier identification (e.g., "Radar", "Sonar", "Camera").

Picture-In-Picture (PIP)

The PIP function allows you to display a secondary video source (from NTSC inputs) in a smaller window over the main display.

1. Press the **PIP** button on the front panel.
2. Use the directional buttons to select the NTSC input for the PIP window.
3. Navigate the menu to adjust the PIP window's size and position on the screen.

Display Settings

Adjust brightness, contrast, and color settings via the main menu.

- The automatic dimmer sensor will adjust brightness based on ambient light. Manual adjustment is also possible.
- Access the **MENU** button to find display calibration options.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your MU150HD display.

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with fresh water. Do not use chemical cleaners, solvents, or abrasive materials.
- **Cleaning the Casing:** Wipe the display casing with a soft, damp cloth.
- **Inspecting Connections:** Periodically check all cable connections for corrosion or looseness, especially in marine environments. Ensure waterproof seals are intact.
- **Software Updates:** Check the Furuno website or consult your dealer for any available software updates to ensure your display has the latest features and bug fixes.

TROUBLESHOOTING

This section addresses common issues you might encounter with your MU150HD display.

Problem	Possible Cause	Solution
Display does not power on.	No power supply; Loose power cable; Blown fuse.	Check power connections; Verify power source; Inspect and replace fuse if necessary.
No image on screen.	Incorrect input selected; Loose video cable; No signal from source.	Select correct input; Check video cable connections; Verify source device is powered on and transmitting.

Problem	Possible Cause	Solution
Image is distorted or flickering.	Poor cable connection; Interference; Incorrect resolution setting.	Secure cable connections; Check for nearby electrical interference; Adjust source resolution to match display (XGA 1024x768 recommended).
Buttons are unresponsive.	Temporary software glitch; Physical damage.	Power cycle the unit; If issue persists, contact Furuno support.

SPECIFICATIONS

Model Number	MU150HD
Screen Size	15 Inches
Resolution	XGA (1024 x 768), Scaler supports up to SXGA (1280 x 1024)
Brightness	1,000 cd/m2
Screen Surface	Glossy with Anti-Reflective (AR) coating
Special Feature	Optically Bonded Screen for Fog-Free Operation, Automatic Dimmer Sensor
Video Inputs	1 RGB Analog, 2 DVI, 3 NTSC/PAL (PIP capable)
Item Dimensions (LxWxH)	18 x 21 x 9 inches
Item Weight	4.4 Pounds
Manufacturer	Furuno

WARRANTY AND SUPPORT

Furuno products are built to high standards of quality and reliability. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Furuno website.

For technical support, service, or inquiries regarding your MU150HD display, please contact Furuno customer service or an authorized Furuno dealer. Contact information can typically be found on the official Furuno website or in your product documentation.

Online Resources: www.furunousa.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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