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Garmin GMI 20

Garmin GMI 20 Marine Instrument Display User Manual

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Garmin GMI 20 Marine Instrument Display. Please read this manual thoroughly to ensure proper use and to maximize the performance and longevity of your device.

Safety Information

WARNING:

- Always consult a marine professional for installation if you are unsure about any steps.
- Ensure all power connections are secure and properly insulated to prevent electrical hazards.
- Do not operate the device if it is damaged or malfunctioning. Refer to the troubleshooting section or contact support.
- This device is an aid to navigation and should not be used as the sole source of navigation information. Always use official paper charts and visual aids.

Setup

Physical Installation

The Garmin GMI 20 is designed for flush or bail mounting. Ensure the mounting location is secure and provides clear visibility. The product dimensions are 5.91 x 3.94 x 5.91 inches, and it weighs 3.17 ounces (0.09 Kilograms). A 3-inch hole saw is typically required for flush mounting.

Initial Power-On and Network Connection

After physical installation, connect the device to your vessel's NMEA 2000 network. The GMI 20 is a pure NMEA 2000 instrument, drawing power directly from the network. Upon initial power-on, the device will display standard data views. You may need to configure the data sources if multiple devices are present on the network.



This image displays the Garmin GMI 20 Marine Instrument, featuring a clear digital screen with a wind gauge, showing apparent wind speed and direction. Below the main display, there are four control buttons for navigation and power.

Operating the GMI 20

Basic Navigation and Menu Access

The GMI 20 features several physical buttons for navigation. The menu button (three horizontal lines) provides access to configuration options, including page management and system settings. Use the up and down arrow buttons to scroll through options and the enter button (often represented by a checkmark or 'Valj' in some languages) to select.

Customizing Data Displays

The GMI 20 allows users to customize the displayed data pages. You can delete pre-installed pages or add new ones from a selection of pre-set layouts. This customization enables you to prioritize the information most relevant to your current activity, such as fuel levels, engine data, speed, or compass readings.

Your browser does not support the video tag.

This video demonstrates how to customize the data display pages on the Garmin GMI 20 Marine Instrument. It shows the process of deleting existing data views and adding new, pre-set pages such as fuel level, speed, and compass displays. The user navigates through the menu using the physical buttons on the device.

Viewing Fuel Levels

To view fuel levels, navigate to the 'Pages' menu and select a pre-set page that includes fuel tank information. The device can display fuel percentage and calculated liters, which can be manually entered or updated.

Speed and Compass Displays

The GMI 20 offers various display options for speed and compass data. You can select pages that show speed, compass heading, depth, and other relevant navigation data. These displays are designed for clear readability in marine environments.

Maintenance

Cleaning the Display

To clean the display, use a soft, clean, lint-free cloth. If necessary, use a mild soap solution or a specialized screen cleaner. Avoid abrasive cleaners, solvents, or harsh chemicals that could damage the screen or casing. The display features an anti-glare screen for improved visibility.

Software Updates

Periodically check the Garmin website for software updates for your GMI 20. Updates can provide new features, performance enhancements, and bug fixes. Follow the instructions provided with the software update package carefully.

Troubleshooting

- **No Power:** Ensure the NMEA 2000 network is powered on and all connections to the GMI 20 are secure. Check the vessel's power supply and any inline fuses.
- **No Data Displayed:** Verify that the GMI 20 is properly connected to the NMEA 2000 network and that other sensors (e.g., depth, speed, wind) are functioning and transmitting data. Check the data source configuration in the GMI 20 menu.
- **Incorrect Readings:** Calibrate sensors as per their respective manuals. Ensure the GMI 20's settings for units (e.g., knots, meters) match your preference.
- **Screen Freezes/Unresponsive:** Try restarting the device by cycling its power. If the issue persists, perform a factory reset (refer to the full owner's manual for instructions, as this will erase custom settings).

Specifications

Product Dimensions	5.91 x 3.94 x 5.91 inches
Item Weight	3.17 ounces (0.09 Kilograms)
Item Model Number	0753759996918
Connectivity Technologies	Bluetooth (for certain features), NMEA 2000
Special Features	Anti Glare Screen, Wireless (Other display features)

Human Interface Input	Buttons
Resolution	320 x 240
Manufacturer	Garmin
Date First Available	June 26, 2013
Vehicle Service Type	Boat
Screen Size	9 Inches (Note: This might be a general category size, actual display size may vary)
Mounting Type	Wrist Mount (as found in image, though typically panel mount for marine displays)

Warranty and Support

For detailed warranty information, please refer to the official Garmin website or the warranty card included with your product. For technical support, product registration, or additional resources, visit the Garmin support portal or contact their customer service directly. Keep your purchase receipt for warranty claims.

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Question

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

Details

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

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