

Raymarine E70327

Raymarine Instrument I70S 4-inch Color Display System User Manual

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Raymarine Instrument I70S 4-inch Color Display System. The I70S is a versatile marine instrument display designed to present critical navigation and system data in a clear, customizable format. It integrates seamlessly with Raymarine's SeaTalk^{NG} network, allowing it to display data from various sensors and systems onboard your vessel.



Figure 1: Raymarine I70S 4-inch Color Display

The I70S features a bright, high-contrast color display, ensuring excellent visibility in various lighting conditions.

Its intuitive interface allows for easy access to information such as depth, speed, wind data, GPS position, and more, depending on the connected sensors.

2. KEY FEATURES

- **4-inch Color Display:** Provides clear and vibrant data visualization.
- **SeaTalk^{NG} Connectivity:** Seamless integration with existing Raymarine networks for data sharing.
- **Customizable Data Pages:** Configure display layouts to show preferred information.
- **Intuitive User Interface:** Easy navigation through menus and settings using dedicated buttons.
- **Versatile Data Display:** Capable of displaying GPS, navigation, depth, speed, wind, and other marine sensor data.

3. SETUP AND INSTALLATION

3.1 Mounting

The I70S display is designed for dashboard or panel mounting. Ensure the chosen location provides adequate space for the unit and allows for proper cable routing. Refer to the detailed installation template provided with your product for precise cutout dimensions and screw hole placement. Secure the unit using the supplied mounting hardware.

3.2 Power Connection

Connect the I70S to a stable 12V DC power source. It is recommended to connect through a dedicated circuit breaker or fuse to protect the unit from electrical surges. Ensure all connections are secure and waterproof.

3.3 Network Connection (SeaTalk^{NG})

The I70S connects to your vessel's SeaTalk^{NG} network. Use a compatible SeaTalk^{NG} backbone cable to connect the display to an available spur port on the network. Ensure the network is properly terminated and powered for optimal performance. The I70S features a single SeaTalk^{NG} port for connection.



Figure 2: Raymarine I70S display with control buttons

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the Power button (usually marked with a circle and vertical line) located on the front panel to turn the unit on or off.

4.2 Adjusting Brightness

Press the Brightness button (usually marked with a sun icon) to cycle through preset brightness levels or to access a brightness adjustment menu.

4.3 Navigating Menus

Use the Up and Down arrow buttons to scroll through menu options. Press the Menu button to enter a selected option or confirm a setting. The Back button allows you to return to the previous screen or menu.

4.4 Customizing Data Pages

The I70S allows users to create and customize multiple data pages to display various combinations of information. Access the 'Setup' or 'Display' menu to configure page layouts, select data types, and arrange data fields according to your preferences.

5. MAINTENANCE

5.1 Cleaning the Display

To clean the display, use a soft, lint-free cloth dampened with fresh water. For stubborn marks, a mild glass cleaner can be used sparingly. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the screen coating.

5.2 Software Updates

Periodically check the Raymarine website for available software updates. Updates can provide new features, performance enhancements, and bug fixes. Follow the instructions provided by Raymarine for downloading and installing software updates to your I70S display.

5.3 Connection Checks

Regularly inspect all power and network connections for corrosion or damage. Ensure all cables are securely fastened and that waterproof seals are intact to prevent water ingress.

6. TROUBLESHOOTING

6.1 Display Not Powering On

- Check the power cable connection to the unit and the vessel's power supply.
- Verify that the vessel's battery has sufficient charge.
- Inspect the fuse or circuit breaker for the display's power circuit.

6.2 No Data Displayed

- Ensure the SeaTalk^{NG} network is powered and functioning correctly.
- Check all SeaTalk^{NG} cable connections for security and integrity.
- Verify that the relevant sensors (e.g., depth transducer, GPS antenna) are connected to the network and operational.
- Confirm that the I70S is configured to display the desired data types.

6.3 Screen Appears Dim or Unresponsive

- Adjust the display brightness using the Brightness button.
- If unresponsive, perform a soft reset by powering the unit off and then on again.
- Ensure the screen is clean and free from obstructions.

For further troubleshooting or complex issues, consult the comprehensive Raymarine I70S installation and operation manuals available on the official Raymarine website or contact Raymarine customer support.

7. SPECIFICATIONS

Specification	Detail
Model Number	E70327
Product Dimensions (L x W x H)	3.94 x 3.94 x 3.15 inches (10.0 x 10.0 x 8.0 cm)
Item Weight	1.6 pounds
ASIN	B01IBR2AC4
Connectivity Technologies	GPS (for data display via network)
Human Interface Input	Buttons
Color	No Color (refers to product variant, unit is typically black/grey)
Manufacturer	Raymarine
Date First Available	July 12, 2016
Vehicle Service Type	Boat
Screen Size	4 Inches (display diagonal)
Mounting Type	Dashboard Mount
Operating System	Proprietary (not user-accessible Windows)

8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and technical support, please visit the official Raymarine website. Raymarine provides comprehensive support resources, including FAQs, software downloads, and contact information for customer service.

It is recommended to register your product upon purchase to ensure you receive important updates and support notifications.

Related Documents - E70327



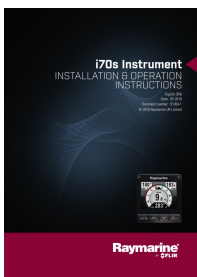
[Raymarine i70s Instrument Installation and Operation Instructions](#)

Comprehensive guide for the installation and operation of the Raymarine i70s multifunction instrument display, covering setup, connections, calibration, and troubleshooting for marine navigation systems.



[Raymarine i70 / i70s Instrument Operation Instructions](#)

Comprehensive operation instructions for the Raymarine i70 and i70s marine instrument displays, covering setup, calibration, features, alarms, and troubleshooting for optimal marine navigation.



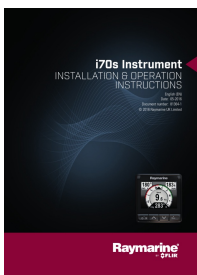
[Raymarine i70s Instrument Installation and Operation Manual](#)

Comprehensive guide for installing and operating the Raymarine i70s multifunctional instrument display, covering AIS, SeaTalkng, NMEA 2000, calibration, and technical specifications.



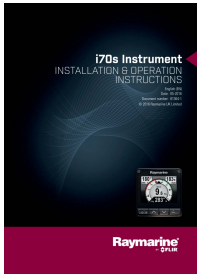
[Raymarine i70 Instrument Installation Guide](#)

Comprehensive installation guide for the Raymarine i70 multifunction marine instrument display. Learn how to install, connect, and configure your i70 for optimal performance on your vessel.



[Raymarine i70s Instrument Installation & Operation Instructions](#)

This comprehensive manual provides detailed instructions for installing and operating the Raymarine i70s multifunctional instrument display. It covers system planning, connections, transducer calibration, AIS features, troubleshooting, and technical specifications for marine navigation.



[Raymarine i70s Instrument Installation and Operation Instructions](#)

Comprehensive guide for installing and operating the Raymarine i70s Multifunction Instrument Display, covering setup, connections, calibration, and troubleshooting.