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Raymarine E15024

Raymarine S100 Wireless Autopilot Remote User Manual

Model: E15024

1. PRODUCT OVERVIEW

The Raymarine S100 Wireless Autopilot Remote is designed to provide convenient, untethered control of your Raymarine SeaTalk autopilot system. Its compact and lightweight form factor allows for easy handling, offering freedom of movement around your vessel while maintaining full command of the autopilot functions.



Figure 1.1: The Raymarine S100 Wireless Autopilot Remote. The remote features a clear display and intuitive buttons for autopilot control.

Key features include:

- Two-line display with a graphical autopilot status indicator for clear feedback.
- Crisp, high-contrast 24 x 127 dot matrix display for excellent readability in various conditions.
- Backlit display for visibility in low-light environments.
- Waterproof design for marine use.
- Long-range connectivity to the base station.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the S100 remote. Failure to do so may result in damage to the product, property, or personal injury.

- **Water Exposure:** While the S100 remote is waterproof, ensure the battery compartment is securely sealed after battery installation or replacement to maintain its waterproof integrity.
- **Battery Safety:** Use only the specified type of batteries (Alkaline). Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly.
- **Navigation Responsibility:** The S100 remote is an aid to navigation. It does not replace the need for proper watchkeeping and adherence to safe navigation practices. Always maintain situational awareness.
- **Interference:** Keep the remote away from strong magnetic fields or other electronic devices that may cause interference.

3. SETUP

The S100 Wireless Autopilot Remote system consists of the remote unit and a wireless base station. Follow these steps for proper installation and setup.

3.1 Included Components

Verify that all components are present in the package:

- S100 Wireless Autopilot Remote
- Wireless Base Station
- SeaTalk cable
- Belt clip
- Owner's manual (this document)

3.2 Base Station Installation

1. Mount the wireless base station in a suitable, dry location away from direct sunlight and excessive heat. Ensure it has clear line-of-sight to the areas where the remote will be used for optimal range.
2. Connect the supplied SeaTalk cable from the base station to your Raymarine SeaTalk autopilot system. Refer to your autopilot's manual for specific SeaTalk connection points.
3. Ensure the base station receives power from the SeaTalk network.

3.3 Battery Installation (Remote)

The S100 remote is powered by alkaline batteries (not included).

1. Locate the battery compartment on the back of the S100 remote.
2. Using a small Phillips head screwdriver, carefully remove the screws securing the battery compartment cover.
3. Insert the required alkaline batteries, observing the correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover and tighten the screws firmly to ensure a waterproof seal. Do not overtighten.

3.4 Pairing the Remote with the Base Station

To establish communication between the remote and the base station:

1. Ensure the base station is powered on and connected to the SeaTalk network.
2. Turn on the S100 remote by pressing the **STANDBY** button.
3. Follow the on-screen prompts on the S100 remote to initiate the pairing process. This typically involves navigating to a 'Pairing' or 'Connect' menu option.
4. The remote will search for available base stations. Once found, confirm the connection.
5. A confirmation message will appear on the remote's display once pairing is successful.

4. OPERATING THE S100 REMOTE

The S100 remote provides intuitive control over your Raymarine autopilot. Familiarize yourself with the buttons and display for effective operation.

4.1 Display and Indicators

The remote features a backlit, high-contrast display that shows essential autopilot information:

- **Autopilot Status:** Displays the current mode (e.g., STANDBY, AUTO, TRACK).
- **Course Information:** Shows current heading or target course.
- **Graphical Indicator:** Provides a visual representation of autopilot activity or status.
- **Battery Level:** An icon indicates the remaining battery charge.

4.2 Button Functions

The S100 remote has several dedicated buttons:

- **STANDBY (Red Button):** Press to disengage the autopilot and put it into standby mode. Press again to turn the remote on or off.
- **PILOT (Red Button):** Press to engage the autopilot and activate the last selected mode (e.g., Auto).
- **MODE (Black Button):** Cycles through available autopilot modes (e.g., Auto, Track, Wind Vane). A long press may access advanced settings or calibration menus.
- **Left Arrow (<) (Black Button):** Decreases the course by a small increment (e.g., 1 degree). Also used for menu navigation.
- **Right Arrow (>) (Black Button):** Increases the course by a small increment (e.g., 1 degree). Also used for menu navigation.
- **Up Arrow (^) (Black Button):** Increases the course by a larger increment (e.g., 10 degrees). Also used for menu navigation.
- **Down Arrow (v) (Black Button):** Decreases the course by a larger increment (e.g., 10 degrees). Also used for menu navigation.

4.3 Basic Autopilot Control

1. **Engaging Autopilot:** Press the **PILOT** button. The autopilot will engage in its last active mode.
2. **Disengaging Autopilot:** Press the **STANDBY** button. The autopilot will disengage and enter standby mode.
3. **Course Adjustment:** Use the arrow keys (<, >, ^, v) to adjust the vessel's course while the autopilot is engaged.
4. **Changing Modes:** Press the **MODE** button to cycle through available autopilot modes.

5. MAINTENANCE

Proper maintenance ensures the longevity and reliable operation of your S100 remote.

5.1 Cleaning

Clean the remote periodically with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the casing or display.

5.2 Battery Replacement

When the battery indicator shows low charge, replace the batteries promptly. Refer to Section 3.3 for detailed battery installation instructions. Always ensure the battery compartment is sealed tightly after replacement to maintain the unit's waterproof rating.

5.3 Storage

If storing the remote for an extended period, remove the batteries to prevent leakage and potential damage to the unit.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your S100 remote.

6.1 Remote Not Turning On

- **Check Batteries:** Ensure batteries are correctly installed and have sufficient charge. Replace if necessary.
- **Battery Polarity:** Verify that batteries are inserted with the correct polarity (+/-).

6.2 No Communication with Autopilot

- **Base Station Power:** Confirm the wireless base station is powered on and its indicator light (if present) is active.
- **SeaTalk Connection:** Check the SeaTalk cable connection between the base station and the autopilot system. Ensure it is secure.
- **Re-pairing:** Attempt to re-pair the remote with the base station. Refer to Section 3.4.
- **Interference:** Move the remote closer to the base station. Ensure there are no large metal objects or other strong radio frequency sources obstructing the signal path.

6.3 Short Battery Life

- **Battery Quality:** Use high-quality alkaline batteries. Some batteries may have a shorter lifespan.
- **Usage Patterns:** Frequent use of the backlight or constant course adjustments will consume more power.
- **Power Off:** Ensure the remote is powered off when not in use to conserve battery life.

7. SPECIFICATIONS

Model Number	E15024
Product Dimensions	12.2 x 6.1 x 2.1 cm
Item Weight	260 g
Material	Plastic
Colour	Gray
Power Source	Battery Powered
Battery Type	Alkaline (not included)
Display Size	1 Inch (diagonal)
Special Features	Waterproof, Long-range connectivity
Compatible Devices	Raymarine Autopilot Systems

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please refer to the official Raymarine website or contact Raymarine customer service directly. Keep your proof of purchase for warranty claims.

