Raymarine T070-916

Raymarine T070-916 Wireless Micronet Race Master User Manual

Model: T070-916 | Part Number: RAY.T070-916

1. Introduction

The Raymarine T070-916 Wireless Micronet Race Master is an advanced marine instrument designed to provide critical sailing data for competitive racing and recreational boating. This self-contained, solar-powered unit offers precise wind and speed information wirelessly, enhancing situational awareness and tactical decision-making on the water. Its robust construction ensures durability in harsh marine environments, being both waterproof and shockproof.

This manual provides essential information for the proper setup, operation, and maintenance of your Race Master to ensure optimal performance and longevity.



The Raymarine T070-916 Wireless Micronet Race Master unit, featuring two large digital displays showing numerical data, likely wind angle and speed, along with a battery indicator and wind direction symbol. The unit has a dark grey, textured casing with silver accents around the screens and control buttons on top.

2. Setup

2.1 Initial Inspection

Upon unpacking, carefully inspect the Race Master unit for any signs of damage. Ensure all components listed in the packaging are present. If any damage or missing parts are found, contact your dealer immediately.

2.2 Mounting

The Race Master is designed for flexible mounting. Choose a location that provides clear visibility from the helm and is protected from direct impact. Ensure the mounting surface is flat and secure. Use the provided mounting bracket and hardware, following the instructions specific to your vessel type. Avoid mounting near strong magnetic fields or sources of electrical interference.

2.3 Powering On/Off

The Race Master is solar-powered and designed for continuous operation. To power on, ensure the unit is exposed to sufficient light. To power off or conserve battery during long periods of inactivity, refer to the specific button sequence in the operating section or place the unit in a dark environment.

2.4 Wireless Connection

The Race Master automatically connects to compatible Raymarine Micronet wireless sensors (e.g., wind, speed, depth transducers). Ensure your sensors are powered on and within range. The unit will typically display a connection indicator

once a stable link is established. Refer to the sensor's manual for specific pairing procedures if automatic connection does not occur.

3. Operating

3.1 Display Interpretation

The Race Master features two large, easy-to-read digital displays. The top display typically shows primary data such as apparent wind angle or boat speed, while the lower display shows secondary data like true wind speed or VMG (Velocity Made Good). Indicators for battery level, wind direction, and other modes are also present.

3.2 Button Functions

The unit features several control buttons, usually located on the top or side. Common button functions include:

- **MODE:** Cycles through different display modes (e.g., Wind, Speed, Course, Timer).
- **CAL:** Enters calibration mode for fine-tuning sensor readings.
- **+/-:** Adjusts values during calibration or timer settings.
- **POWER/LIGHT:** Short press for backlight, long press for power on/off.

Refer to the on-screen prompts and the specific button layout of your unit for precise operation.

3.3 Modes of Operation

The Race Master offers various operational modes to suit different sailing needs:

- **Wind Mode:** Displays apparent and true wind angle/speed.
- **Speed Mode:** Shows boat speed through water and over ground.
- **Race Timer:** Provides a countdown timer for race starts.
- **VMG Mode:** Calculates and displays Velocity Made Good to windward or a waypoint.

3.4 Calibration

For accurate readings, periodic calibration of wind and speed sensors is recommended. This typically involves sailing in calm conditions and adjusting the displayed values to match known references or performing specific maneuvers as prompted by the unit. Consult the detailed calibration procedures in the full product manual for precise steps.

4. Maintenance

4.1 Cleaning

To maintain optimal performance and readability, regularly clean the Race Master unit. Use a soft, damp cloth with fresh water to wipe down the display and casing. Avoid abrasive cleaners, solvents, or high-pressure washers, as these can damage the unit or its seals.

4.2 Battery Care

The Race Master features an internal rechargeable battery charged by its integrated solar panel. Ensure the solar panel is kept clean and exposed to light when not in use to maintain battery charge. For long-term storage, ensure the unit is fully charged and stored in a cool, dry place. Avoid prolonged storage in extreme temperatures.

4.3 Storage

When storing the unit for extended periods, especially during off-season, ensure it is clean, dry, and fully charged. Store it in a protective case or bag to prevent scratches and impacts. Avoid storing in direct sunlight or extreme cold.

5. Troubleshooting

This section addresses common issues you might encounter with your Race Master.

Problem	Possible Cause	Solution
No display/Unit won't turn on	Low battery; Unit not exposed to light; Power button issue.	Expose unit to strong light for several hours. Ensure solar panel is clean. Press and hold power button for 5 seconds.
No data displayed (e.g., wind, speed)	Sensor not connected; Sensor out of range; Sensor malfunction.	Ensure sensors are powered on and within wireless range. Check sensor batteries. Refer to sensor manual for troubleshooting.
Inaccurate readings	Needs calibration; Sensor obstruction; Interference.	Perform calibration as per section 3.4. Check for physical obstructions to sensors. Move away from strong electrical interference.
Buttons unresponsive	Unit frozen; Physical damage.	Attempt a soft reset (power off/on). If issue persists, contact support.

If you encounter issues not covered here, or if the suggested solutions do not resolve the problem, please contact Raymarine customer support.

6. Specifications

Feature	Detail
Brand Name	Raymarine
Model Name	T070-916
Part Number	RAY.T070-916
Item Dimensions (LxWxH)	2.28 x 6.46 x 4.8 inches
Item Package Dimensions (LxWxH)	9 x 6.2 x 3.6 inches
Package Weight	1.5 Pounds
Color	Dry Skin
Material	Plastic
Special Feature	Waterproof, Shockproof
Suggested Users	unisex-adult
Number of Items	1
Manufacturer	Raymarine
ASIN	B00865LM26
UPC	611104305078, 044111130430, 723193703458, 014445580652
Date First Available	May 6, 2012

7. Warranty

The Raymarine T070-916 Wireless Micronet Race Master is covered by a standard manufacturer's warranty. For specific details regarding warranty terms, duration, and claim procedures, please refer to the warranty documentation included with your product or visit the official Raymarine website.

8. Support

For further assistance, technical support, or service inquiries regarding your Raymarine T070-916 Wireless Micronet Race Master, please contact Raymarine customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your model number (T070-916) and part number (RAY.T070-916) readily available.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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.

Submit question