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Garmin 010-02405-00

Fusion MS-RA60 Marine Stereo User Manual

Model: 010-02405-00

Introduction

The Fusion MS-RA60 is an economical marine stereo designed to deliver a quality audio entertainment experience on the water. It features modern aesthetics, Multi-Zone technology for two audio zones, and advanced connectivity options in a compact form factor.
Key features include:

- Fog resistant, perimeter bonded 2.3" monochrome LCD for clear visibility.
- Multi-Zone technology allowing audio level adjustments in up to two distinct audio zones.
- Over-the-air software updates via Bluetooth from compatible smartphones or devices.
- Fusion-Link integration for controlling music from compatible smart devices or Garmin watches.
- IPX6 and IPX7 water-resistant rating, ensuring durability in harsh marine environments.

What's in the Box

Upon opening the package, verify that all components are present:

- MS-RA60 marine stereo unit
- Mounting gasket
- Four 6-gauge, self-tapping screws
- Two screw covers
- Power and speaker wiring harness
- Auxiliary-in, line-out, and subwoofer-out wiring harnesses
- Documentation (User Manual, Warranty Information)

Setup

Proper installation is crucial for optimal performance and longevity of your marine stereo. It is recommended to have the unit installed by a qualified marine electronics technician.

Mounting Considerations

- Choose a mounting location that is protected from direct sunlight and excessive heat.
- Ensure adequate ventilation around the unit.
- The front face is IPX6 and IPX7 water-resistant, but the rear connections should be protected from water ingress.
- Use the provided mounting gasket and screws for a secure and watertight installation.

Wiring Connections

Connect the power and speaker wiring harness to your boat's electrical system and speakers. Ensure correct polarity for all connections. The auxiliary-in, line-out, and subwoofer-out harnesses allow for connection to external audio sources, amplifiers, and subwoofers.

- **Power:** Connect the red wire to a switched 12V DC power source and the black wire to ground.
- **Speakers:** Connect speaker wires to the appropriate terminals, observing positive and negative connections.
- **Auxiliary Input:** For connecting external audio devices via a 3.5mm jack.
- **Line Out/Subwoofer Out:** For connecting to external amplifiers or powered subwoofers.

Operating Instructions

The Fusion MS-RA60 features an intuitive interface for easy operation.



Figure 1: Front panel of the Fusion MS-RA60 Marine Stereo. The image displays the unit's black casing, a large circular rotary knob on the left, and a monochrome LCD screen on the right. Below the screen are several control buttons, including power, menu, back, previous track, play/pause, and next track. The screen shows "LINE RIVER", "MYSTIC SHADES", and "HORIZON" with a Bluetooth icon, indicating music playback via Bluetooth.

Basic Controls

- **Power Button ( ):** Press to turn the unit on or off.
- **Rotary Knob:** Turn to adjust volume. Press to select menu options.
- **Menu Button (☰):** Access the main menu for source selection, settings, and more.
- **Back Button (↶):** Return to the previous screen or menu.
- **Track Skip Buttons (/):** Skip to the previous or next track/station.
- **Play/Pause Button ( ):** Play or pause audio playback.

Bluetooth Connectivity

To pair a Bluetooth device:

1. Ensure Bluetooth is enabled on your mobile device.

2. On the MS-RA60, navigate to the Bluetooth pairing menu.
3. Select "Pair New Device" (or similar option).
4. Select "Fusion MS-RA60" from your device's Bluetooth list.
5. Confirm pairing if prompted.

Multi-Zone Technology

The MS-RA60 allows for independent volume control in two audio zones. Access zone settings through the menu to adjust levels for different areas of your vessel.

Software Updates

Keep your stereo up-to-date with the latest features and improvements via over-the-air software updates using the Fusion-Link app on your compatible smartphone.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your Fusion MS-RA60 marine stereo.

- **Cleaning:** Wipe the unit with a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners.
- **Water Exposure:** While the front panel is water-resistant (IPX6 and IPX7), avoid prolonged submersion or high-pressure water jets directly on the unit. Ensure rear connections remain dry.
- **Connection Checks:** Periodically inspect all wiring connections for corrosion or looseness.

Troubleshooting

If you encounter issues with your MS-RA60, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power	Blown fuse, loose power connection, battery issue.	Check the inline fuse on the power cable. Ensure power and ground connections are secure. Verify battery voltage.
No Audio Output	Incorrect source selected, speaker wires disconnected, volume too low, mute engaged.	Select the correct audio source. Check speaker wire connections. Increase volume. Ensure unit is not muted.
Bluetooth Pairing Issues	Device too far, Bluetooth not enabled, interference, previously paired device.	Ensure device is within range. Enable Bluetooth on both devices. Clear previous pairings on both devices and try again.
Poor Radio Reception	Antenna not connected, damaged antenna, interference.	Check antenna connection. Inspect antenna for damage. Relocate antenna if possible to reduce interference.

If the problem persists, contact Garmin customer support for further assistance.

Specifications

Feature	Detail
Product Dimensions	6.18 x 4.06 x 2.68 inches

Feature	Detail
Item Weight	11.2 ounces (0.7 Pounds)
Model Number	010-02405-00
Brand	Garmin (Fusion)
Special Feature	DAB
Connectivity Technology	Bluetooth, Auxiliary
Tuner Technology	DAB
Style	Stereo
Material	Plastic
Compatible Devices	Smartphone, Speaker
Display Type	LCD (Monochrome, 2.3")
Water Resistance	IPX6 and IPX7 (front face)

Warranty and Support

The Fusion MS-RA60 comes with a 1-year limited consumer warranty from the manufacturer, Garmin.

Return Policy

Refer to your point of purchase for specific return policies. Generally, a 30-day refund/replacement policy may apply.

Customer Support

For technical support, warranty claims, or additional information, please visit the official Garmin store or support website: Visit the Garmin Store on Amazon

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