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## Fusion MS-RA70NSX

# Fusion MS-RA70NSX Marine Entertainment System User Manual

Model: MS-RA70NSX

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Fusion MS-RA70NSX Marine Entertainment System and the accompanying MS-ARX70W White ANT Wireless Stereo Remote. The MS-RA70NSX is a value-packed marine stereo designed to deliver a quality on-water entertainment experience with advanced marine technologies. It features a multi-language user interface and robust water resistance for reliable performance in marine environments.



Figure 1: Fusion MS-RA70NSX Marine Entertainment System and MS-ARX70W Wireless Remote.

## 2. KEY FEATURES

- **Tuner:** AM/FM with RDS (where available).
- **User Interface:** Multi-Language support including English, French, German, Spanish, Dutch, and Italian.
- **Audio Zones:** 2 on-board amplified zones, with nameable zones (up to 10 characters).
- **Outputs:** 2 Line Out (1 x L + R per zone, requires amplification), 1 Subwoofer Out (Zone 1, requires amplification).
- **Inputs:** 1 x stereo RCA input (AUX).
- **SiriusXM-Ready:** Compatible with SiriusXM satellite radio (subscription and tuner sold separately).
- **Fusion-Link Wireless:** Available via Bluetooth with the Fusion-Link remote control app (Apple App Store or Google Play) and Fusion-Link Lite app for compatible Garmin watches.
- **Fusion-Link Wired:** Compatible with Fusion marine NMEA 2000 wired remote controls and Fusion-Link supported MFDs.
- **NMEA 2000 Certified:** LEN:1 for seamless integration into marine networks.

- **Bluetooth Wireless Technology:** A2DP Bluetooth Audio Streaming with AVRCP.
- **USB:** 1 x USB connector at the rear of the unit, supporting 1 amp charging and MP3 audio format.
- **Water Resistance:** IPX7 water resistant front panel when installed correctly.
- **Amplifier:** Class-AB 4 x 50W (@ 4 Ohms).
- **MS-ARX70 Wireless Remote:** UV stable, IPX6 and IPX7 water resistant, offering endless mounting options without holes, screws, or wires.

### 3. SETUP AND INSTALLATION

#### 3.1 Mounting Options

The MS-RA70NSX offers flexible installation options, including flush or dash mounting. Its sleek design allows for a clean finish in any marine dashboard. The unit can be surface mounted or back mounted for a very clean look, thanks to its design with an edge that goes all the way around the glass.



Figure 2: Front view of the MS-RA70NSX stereo unit.

#### 3.2 Wiring and Connections

The system includes all necessary harnesses for power, speaker zones, and pre-outs for subwoofers and additional zones. All connections are designed with rubber gaskets to ensure water resistance. The unit is 4-ohm stable, allowing connection of up to six speakers easily.

#### 3.3 NMEA 2000 Connectivity

The MS-RA70NSX is NMEA 2000 certified and comes with a NMEA cable. This allows for seamless integration with compatible Multi-Function Displays (MFDs), providing audio control directly from your MFD screen.

#### 3.4 MS-ARX70 Wireless Remote Setup

The MS-ARX70W wireless remote offers flexible mounting options without the need for drilling or wiring. Simply stick the remote onto any flat surface. Pair the remote with your MS-RA70NSX system via ANT wireless technology for convenient

multi-zone audio control from anywhere on your boat.



Figure 3: Fusion MS-ARX70W Wireless Stereo Remote.

### 3.5 Product Overview Video



*Video 1: A brief overview of the Fusion MS-RA70NSX Marine Entertainment System, showcasing its features and connectivity options.*

## 4. OPERATION

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### 4.1 Basic Controls

The MS-RA70NSX features a user-friendly interface with a rotary encoder for volume and menu navigation, along with dedicated buttons for power, source selection, play/pause, and track skipping. The 2.6-inch LCD screen provides clear visibility of current settings and track information.



Figure 4: Close-up of the MS-RA70NSX front panel controls.

## 4.2 Bluetooth Audio Streaming

To stream audio via Bluetooth, ensure your mobile device's Bluetooth is enabled and search for the MS-RA70NSX. Select the device to pair. Once paired, you can control playback directly from the stereo or your connected device.

## 4.3 USB Playback

Connect a USB device containing MP3 audio files to the rear USB port. The system supports Apple iAP2 and Android AOA music protocols. Use the stereo's controls to navigate and play your music.

## 4.4 Multi-Zone Audio Control

The MS-RA70NSX allows for independent volume control in two amplified audio zones. You can name these zones for easy identification. For advanced control, utilize the Fusion-Link app on your smartphone or compatible Garmin watch.

# 5. MAINTENANCE

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## 5.1 Cleaning

To clean the unit, use a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the display or finish. Ensure all port covers are securely closed to maintain water resistance.

## 5.2 Water Resistance

The front panel of the MS-RA70NSX is IPX7 water resistant when correctly installed, protecting against immersion in up to 1 meter of water for 30 minutes. The MS-ARX70W remote is IPX6 and IPX7 water resistant. Always ensure proper installation and sealing to maintain these ratings.

# 6. TROUBLESHOOTING

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- **No Power:** Check power connections and ensure the fuse is intact. Verify the boat's battery is charged.
- **No Audio:** Confirm speaker connections are secure. Check volume levels on both the stereo and connected devices. Ensure the correct audio source is selected.
- **Bluetooth Connection Issues:** Ensure the stereo is in pairing mode and your device's Bluetooth is enabled. Try unpairing and re-pairing the device. Move closer to the stereo to rule out range issues.
- **Remote Not Responding:** Check the remote's battery. Ensure it is within range of the stereo and properly paired.
- **Display Not Working:** Check power connections. If the issue persists, contact customer support.

# 7. SPECIFICATIONS

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Feature	Detail
Product Dimensions	14.5 x 17 x 13.38 inches (36.83 x 43.18 x 33.99 cm)
Item Weight	11 pounds (4.99 kg)
Item Model Number	FUSBDL190710-16 (MS-RA70NSX)
Manufacturer	Fusion Entertainment
Connectivity Technology	Auxiliary, Bluetooth, RCA, USB
Controller Type	Android (via Fusion-Link app)
Special Feature	RDS
Compatible Devices	Smartphone, Speaker
Connector Type	3.5mm Jack, RCA, USB
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0
Color	White (for remote, main unit is black)
Water Resistance	IPX7 (front panel), IPX6/IPX7 (remote)
Amplifier	Class-AB 4 x 50W (@ 4 Ohms)

## 8. WARRANTY AND SUPPORT

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For warranty information, please refer to the documentation included with your product or visit the official Fusion Entertainment website. For technical support, troubleshooting assistance, or service inquiries, please contact Fusion Entertainment customer service through their official channels.