

## DOVOX Waterproof Marine Bluetooth Stereo

# DOVOX Bluetooth Marine Radio Boat Stereo Instruction Manual

Model: Waterproof Marine Bluetooth Stereo (MS-10RV)

### 1. INTRODUCTION

Thank you for choosing the DOVOX Bluetooth Marine Radio. This digital marine-grade player is designed to provide high-quality audio entertainment in harsh marine environments, featuring IPX5 waterproof construction, Bluetooth connectivity, FM/AM radio, and multiple input options. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your device.



Figure 1: DOVOX Bluetooth Marine Radio (MS-10RV)

## 2. WHAT'S INCLUDED

Please verify that all items are present in the package before proceeding with installation:

- Bluetooth Marine Radio
- Mounting Kits
- Owner's Manual

## What's Included



Figure 2: Package Contents and Dimensions. Shows the media source unit, wire harness, mounting kits, and owner's manual, along with key dimensions for installation.

### 3. INSTALLATION

#### 3.1. Mounting Considerations

The DOVOX Marine Radio features a standard tachometer gauge design for easy integration into your vessel's dashboard. Ensure the mounting location is secure and provides adequate space for the unit and wiring connections.

- **Required Cutout Diameter:** 2.89 inches (73.4 mm)
- **Required Mounting Depth:** 2.84 inches (72.1 mm)
- **Overall Product Dimensions:** 4.45"L x 4.45"W x 3.92"H

## What's Included



Figure 3: Installation Dimensions. This image illustrates the precise measurements required for mounting the unit, including its diameter and depth.

### 3.2. Wiring Diagram

Proper wiring is crucial for the functionality and safety of your marine stereo. Refer to the diagram below for correct connections. It is highly recommended to seek professional installation if you are unsure about any wiring procedures.

# Marine Stereo Operation

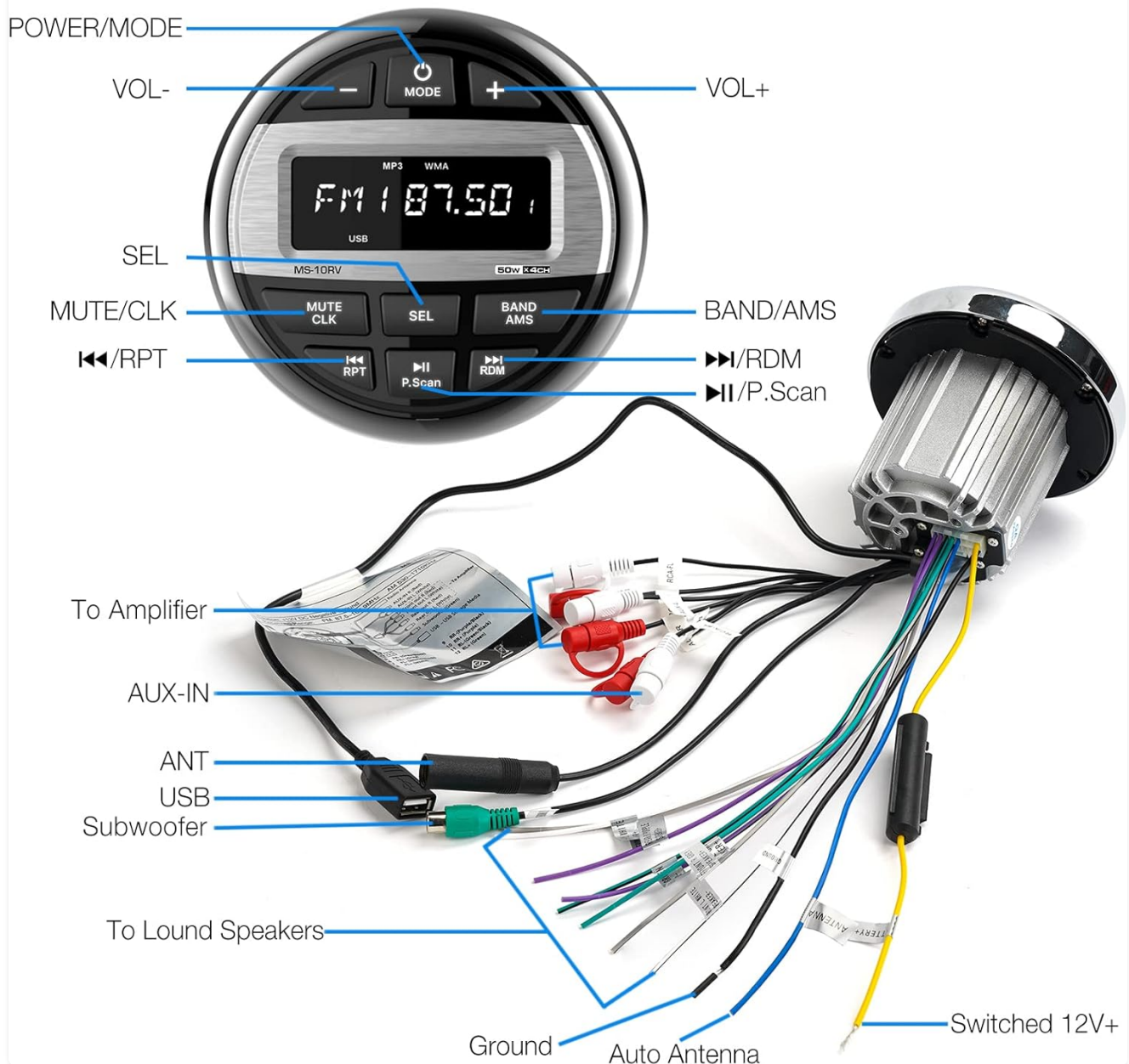


Figure 4: Marine Stereo Wiring Diagram. This diagram details all necessary electrical connections for the unit, including power, audio outputs, and inputs.

## 3.3. Installation Steps

Follow these steps for mounting the unit:

1. Cut a hole in the dashboard at least 3.75 inches (95.25 mm) deep, ensuring it matches the required cutout diameter.
2. Slide the included spring washers (B) over the screw posts (A) on the back of the radio.
3. Complete all wiring connections as per the wiring diagram (Figure 4) and ensure they are properly secured.
4. Carefully insert the unit into the mounting hole.
5. Place the "U" bracket (C) over the screw posts and secure the radio to the dash using the included hex nuts (D).
6. Score the score marks (E) on the bracket to fit the bracket length for your specific application.



This exploded view diagram illustrates the assembly of the LED light module. The components are labeled as follows:

- A**: LED module
- B**: Lens
- C**: Reflector
- D**: Mounting bracket
- E**: Mounting screws

The diagram shows the LED module (A) being inserted into the lens (B), which is then mounted onto the reflector (C) using the mounting screws (E). The entire assembly is then secured to the mounting bracket (D) using the mounting screws (E).

- Figure 5: How to Install. This diagram visually guides the user through the physical installation process of the marine radio.

| Button/Control | Function  |
|----------------|---|
| POWER/MODE     | Press to turn the unit ON/OFF. Press and hold to cycle through audio modes (FM, AM, Bluetooth, USB, AUX). |
| VOL+ / VOL-    | Adjust volume up or down.   |
| MUTE/CLK       | Press to mute/unmute audio. Press and hold to set the clock.  |
| SEL            | Selects audio settings (Bass, Treble, Balance, Fader, EQ).  |

| Button/Control     | Function   |
|--------------------|--|
| <b>BAND/AMS</b>    | In radio mode, cycles through FM/AM bands. Press and hold for Auto Memory Store (AMS). |
| <b>◀◀ / RPT</b>    | Previous track/station. Press and hold for Repeat function (USB).                      |
| <b>▶▶ / P.Scan</b> | Next track/station. Press and hold for Program Scan (P.Scan) in radio mode.            |
| <b>RDM</b>         | Random playback (USB).   |

## 4.2. Bluetooth Music Streaming

The unit supports Bluetooth 5.0 for wireless audio streaming (A2DP). You can connect your smartphone, iPad, tablet, or other Bluetooth-enabled devices to play music from services like Spotify or Pandora.

- Ensure Bluetooth is enabled on your mobile device.
- Select 'BT AUDIO' mode on the marine radio.
- Search for available devices on your mobile device and select 'DOVOX Marine Radio' to pair.
- Once paired, you can stream audio wirelessly. The unit supports power-off memory, automatically resuming the last played track after power cycling.

# Wireless Bluetooth Music Streaming

This boat stereo can connect bluetooth and play audio streaming from external devices. ID3 tag song readout and power off memory is supported.



Figure 6: Wireless Bluetooth Music Streaming. This image demonstrates the Bluetooth connectivity feature, allowing users to stream music from their mobile devices.

Your browser does not support the video tag.

Video 1: DOVOX Bluetooth Marine Radio Overview. This video provides a visual overview of the marine radio's features, including its water-resistant design, Bluetooth music streaming capabilities, FM/AM radio, USB/AUX input, and subwoofer output.

## 4.3. FM/AM Radio Operation

The unit features an integrated FM/AM radio tuner with 18 FM station memory and 12 AM station memory presets.

- Press the **MODE** button to select FM or AM radio mode.
- Use the ◀◀ and ▶▶ buttons to manually tune to stations or seek for the next available station.
- Press and hold **BAND/AMS** to automatically scan and store strong stations into memory presets.
- Briefly press **BAND/AMS** to cycle through stored bands (FM1, FM2, FM3, AM1, AM2).



## Multiple Entertainment Modes

Equipped with FM AM radio with 30 station memory, USB 2.0 port and 3.5mm AUX input. Let you enjoy different modes audio entertainment.



Figure 7: Multiple Entertainment Modes. This image highlights the various audio input options available on the marine radio, including FM/AM radio, USB, and AUX-in.

### 4.4. USB and AUX-in Playback

The marine radio is equipped with a USB 2.0 port and a 3.5mm auxiliary input jack for versatile audio entertainment.

- **USB:** Insert a USB flash drive (up to 32 GB) containing MP3 files into the USB port. The unit will automatically switch to USB mode and begin playback. Use the ◀◀ and ▶▶ buttons for track navigation, and **RPT** for repeat or **RDM** for random playback.
- **AUX-in:** Connect an external audio device (e.g., MP3 player, phone) to the 3.5mm AUX-in jack using an audio cable. Press the **MODE** button to select 'AUX IN' mode. Audio will be played through the connected device.

### 4.5. Audio Settings and Equalizer

Customize your listening experience with adjustable audio settings and preset EQ options.

- Press the **SEL** button repeatedly to cycle through audio settings: Bass, Treble, Balance, Fader, and Preset EQ.

- Use the **VOL+** and **VOL-** buttons to adjust the selected setting.
- The unit supports RCA subwoofer audio output and features a 4x50W amplifier audio output for a powerful sound experience.

## Lossless Music Experience

Easily find your music style in 200W high power amplifier style, subwoofer audio output and custom EQ settings.





**RCA Subwoofer Output**



**Pre-Amp (200W Max)**



**Preset EQ**

Figure 8: Lossless Music Experience. This image highlights the audio customization options, including subwoofer output and equalizer settings, for enhanced sound quality.

## 5. MAINTENANCE

The DOVOX Marine Radio is designed with IPX5 marine-grade construction and UV coatings to resist humidity and saltwater exposure. To ensure its longevity and optimal performance:

- Regularly wipe down the unit with a soft, damp cloth to remove salt residue, dust, and grime.
- Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish and seals.
- Ensure all connections are secure and free from corrosion. Periodically inspect wiring for any signs of wear or damage.
- When not in use for extended periods, especially during off-season, consider covering the unit or storing the



vessel in a protected environment to minimize exposure to extreme elements.



## IPX5 Water Resistant & Widely Application

The radio is equipped with IPX5 waterproof design & newest weatherproofing techniques, perfect for Boats, Yacht, Gauge, ATV, UTV, SUV, RV, Golf, SPA Rooms, Swimming Pools, Campers, RZR, Harvesters, Truck and more.



Figure 9: IPX5 Water Resistance and Wide Application. This image emphasizes the unit's durability against water and its suitability for various vehicles and environments.

## 6. TROUBLESHOOTING

If you encounter issues with your DOVOX Marine Radio, please refer to the following common troubleshooting steps:

| Problem  | Possible Cause   | Solution   |
|----------|--|--|
| No power | Loose power connection, blown fuse, low battery voltage. | Check power wiring, inspect fuse, ensure adequate 12V DC power supply. |

| Problem                  | Possible Cause  | Solution  |
|--------------------------|---|---|
| No sound                 | Mute activated, incorrect source selected, loose speaker connections, damaged speakers.                 | Deactivate mute, select correct input mode, check speaker wiring, test speakers.                                |
| Bluetooth not connecting | Bluetooth not enabled on device, unit not in BT mode, interference, previously paired device connected. | Ensure Bluetooth is on and discoverable, select 'BT AUDIO' mode, move closer to unit, disconnect other devices. |
| Poor radio reception     | Antenna not connected, weak signal, interference.   | Check antenna connection, extend antenna fully, try different location or stronger signal area.                 |
| USB playback issues      | Unsupported file format, corrupted USB drive, drive capacity too large.                                 | Ensure files are MP3, reformat USB drive, use a drive up to 32 GB.  |

If the problem persists after attempting these solutions, please contact DOVOX customer support for further assistance.

## 7. SPECIFICATIONS

| Feature                 | Detail   |
|-------------------------|--|
| Product Dimensions      | 4.45 x 4.45 x 3.92 inches (11.3 x 11.3 x 9.9 cm) |
| Item Weight             | 1.61 pounds (0.73 kg)                            |
| Model Number            | Waterproof Marine Bluetooth Stereo (MS-10RV)     |
| Brand                   | DOVOX  |
| Waterproof Rating       | IPX5 Marine Grade                                |
| Connectivity Technology | Bluetooth 5.0, Auxiliary (3.5mm), USB 2.0        |
| Tuner Technology        | FM AM Marine Radio System (18 FM, 12 AM presets) |
| Power Output            | 4 x 50W Max Power                                |
| Subwoofer Output        | RCA Subwoofer Audio Output                       |
| Display                 | High-contrast Segmented LCD Display              |
| Keypad                  | Illuminated Keypad                               |
| Working Voltage         | DC 12V   |
| Country of Origin       | China  |






## 8. WARRANTY AND SUPPORT



For any questions regarding your DOVOX Bluetooth Marine Radio, please feel free to contact DOVOX customer support. Refer to your purchase documentation for specific warranty terms and conditions. Professional installation is highly recommended to ensure proper functionality and to avoid potential issues that may void your warranty.

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Related Documents - Waterproof Marine Bluetooth Stereo

|   |  |
|---|--|
|    | <p><a href="#">JENSEN MS30BT Marine Stereo Owner's Manual and Installation Guide</a></p> <p>This manual provides comprehensive instructions for the JENSEN MS30BT marine stereo, covering installation, operation of radio, USB, and Bluetooth features, troubleshooting, and technical specifications. Learn how to set up and use your JENSEN MS30BT for optimal audio experience.</p>   |
|   | <p><a href="#">GUZARE GR306 Marine Stereo: Waterproof Bluetooth Media Receiver for Boats, ATVs, and More</a></p> <p>Discover the GUZARE GR306, a compact and powerful marine stereo receiver with Bluetooth, USB, and AM/FM capabilities. This waterproof unit is ideal for boats, golf carts, ATVs, and other recreational vehicles, offering 180 watts of peak power and IPX6 water resistance.</p>  |
|  | <p><a href="#">MB Quart WRC-S2 Watertight Marine Radio Controller: Operation and Installation Manual</a></p> <p>Comprehensive guide for the MB Quart WRC-S2 Watertight Marine Radio Controller, covering installation, operation of DVD, CD, MP3, Sirius Satellite Radio, iPod, and USB playback, along with sound controls and warranty information.</p>  |
|  | <p><a href="#">BOSS MR3.6V User Manual: Marine In-Dash Multimedia Receiver</a></p> <p>Comprehensive user manual for the BOSS MR3.6V marine in-dash DVD/MP3/CD receiver with a 3.6-inch widescreen TFT monitor. Covers installation, operation, features, and troubleshooting for marine audio systems.</p>   |
|  | <p><a href="#">Jensen AWM970 Owner's Manual: Installation, Operation, and Specifications</a></p> <p>This comprehensive owner's manual provides detailed instructions for the Jensen AWM970 mobile audio system. It covers installation, basic operation, tuner, CD, DVD, VCD, MP3, USB, and iPod functions, remote control operation, setup menus, and technical specifications. Includes wiring diagrams and troubleshooting information.</p> |



### [Jensen JMS32 Marine Stereo Owner's Manual](#)

Comprehensive owner's manual for the Jensen JMS32 marine stereo, detailing installation, operation, features, safety, troubleshooting, and specifications. Includes Bluetooth and USB connectivity.