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BOSS Audio Systems MGR350B

BOSS Audio Systems MGR350B Marine Stereo Receiver User Manual

Model: MGR350B | Brand: BOSS Audio Systems

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BOSS Audio Systems MGR350B Marine Stereo Receiver. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

WHAT'S IN THE BOX

- MGR350B Marine Stereo Receiver
- Metal Bracket
- Hexagon Mounting Studs
- M4 Secure Nuts
- Wiring Harness



Image: MGR350B receiver shown with its packaging, wiring harness, metal bracket, hexagon mounting studs, and M4 secure nuts.

KEY FEATURES

- **Bluetooth Connectivity:** Allows wireless audio streaming and control from compatible smartphones or MP3 players, supporting apps like Spotify and Pandora.
- **Weatherproof Design (IPX6):** Engineered with front panel UV coating and a conformal-coated PC board for protection against splashing water, making it suitable for marine environments.

MARINE GRADE



Image: The MGR350B marine stereo installed in a boat dashboard, highlighting its marine-grade and IPX6 water resistance for reliable performance in wet conditions.

- **USB Input with Charging:** Provides access to a large library of audio files and offers USB charging capability for connected devices.
- **Auxiliary Input:** Compatible with audio output from smartphones and MP3 players via a standard 3.5mm jack.
- **Pre-Amp Outputs:** Features front, rear, and subwoofer pre-amp outputs for connecting external speakers or subwoofers.
- **Built-in Amplifier:** Delivers 60 watts x 4 channels of power.
- **Compact Gauge Design:** Designed to fit into standard gauge openings for a clean, integrated look.

SETUP AND INSTALLATION

Professional installation of this product is strongly encouraged to ensure proper and safe functionality, especially given its marine application.

Mounting

The MGR350B is designed for a standard 3-inch gauge hole. Ensure sufficient clearance behind the mounting surface for the unit and wiring connections.



Image: Detailed dimensional drawing of the MGR350B receiver, indicating its compact size suitable for gauge-style mounting.

Wiring Connections

Connect the wiring harness according to the provided diagram. Ensure all connections are secure and properly insulated to prevent short circuits and water damage.

Important Note: For some installations, if the unit does not power on, it may be necessary to splice the red power wire (typically accessory/switched power) to the negative ground wire (black) to the battery.

This can resolve power issues by providing a constant ground connection.



Image: Rear view of the MGR350B unit, illustrating the heat sink design and connection points for wiring.

OPERATING INSTRUCTIONS



Image: Front panel layout of the MGR350B, detailing the function of each button and the information displayed on the LCD screen.

Power On/Off and Mute

Press the **MUTE** button to power the unit on or off. A short press will mute/unmute the audio.

Source Selection

Press the **SRC** button to cycle through available audio sources: AM/FM Radio, Bluetooth, USB, and Auxiliary Input.

Volume Control

Use the **VOL +** and **VOL -** buttons to adjust the audio volume.

Bluetooth Pairing

1. Select Bluetooth as the source.
2. On your mobile device, search for "BOSS MGR350B" in the Bluetooth settings.
3. Select the unit to pair. Once paired, you can stream audio wirelessly.



AUDIO STREAMING

Image: Demonstrates wireless audio streaming via Bluetooth from a smartphone to the MGR350B receiver.

USB Playback

Insert a USB drive into the USB port. The unit will automatically switch to USB source and begin playing compatible audio files. Use the track forward/backward buttons to navigate.

Radio Operation

In FM/AM mode, use the track forward/backward buttons to seek stations. Press the **PRESET/FUNC** button to access preset stations or other tuner functions.

Audio Menu

Press the **AUDIO/MENU** button to access audio settings such as Bass, Treble, Balance, Fader, and EQ presets.

MAINTENANCE

To ensure the longevity and optimal performance of your MGR350B Marine Stereo Receiver, follow these maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to clean the unit's surface. Avoid abrasive cleaners or solvents that could damage the finish or seals.

- **Weather Protection:** Although the unit is weatherproof (IPX6 rated), prolonged exposure to direct sunlight or extreme weather conditions should be minimized when possible.
- **Connection Checks:** Periodically inspect all wiring connections for corrosion or looseness, especially in a marine environment. Ensure all caps and covers are securely in place.

TROUBLESHOOTING

If you encounter issues with your MGR350B, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Incorrect wiring; Blown fuse; Insufficient ground connection.	Check all power and ground connections. Verify fuse integrity. Ensure the red power wire is properly connected, potentially splicing it to the negative ground wire if direct connection to battery ground is needed for power.
No Sound	Volume too low; Mute activated; Incorrect source selected; Speaker wires disconnected or shorted.	Increase volume. Deactivate mute. Select correct audio source. Check speaker wiring for secure connections and shorts.
Bluetooth Not Connecting	Unit not in pairing mode; Device too far; Interference; Previously paired device connected.	Ensure unit is in Bluetooth source mode. Move device closer. Disconnect other Bluetooth devices. Try forgetting the device on your phone and re-pairing.
Distorted Sound	Volume too high; Incorrect audio settings (e.g., Bass Boost); Speaker impedance mismatch; Damaged speakers.	Reduce volume. Adjust audio settings (Bass, Treble, EQ). Verify speaker impedance matches unit requirements. Inspect speakers for damage.

SPECIFICATIONS

Feature	Detail
Model Number	MGR350B
Product Dimensions (D x W x H)	3.86" x 3.54" x 3.54" (98mm x 90mm x 90mm)
Item Weight	1.54 pounds (0.7 kg)
Power Output	60 Watts x 4 Channels
Connectivity Technology	Bluetooth, USB, Auxiliary
Weatherproofing	IPX6 Rated
Audio Encoding	Stereo
Color	Black

WARRANTY AND SUPPORT

BOSS Audio Systems provides a powerful 3-year platinum online dealer warranty for this product when purchased through authorized channels. For warranty claims or technical support, please refer to the official BOSS Audio Systems website or contact their customer service.

A detailed User Manual in PDF format is available for download:[Download User Manual \(PDF\)](#)