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- › [BOSS Audio Systems](#) /
- › [BOSS Audio Systems MRGB55B 5.25-Inch Marine Speakers Instruction Manual](#)

BOSS Audio Systems MRGB55B

BOSS Audio Systems MRGB55B 5.25-Inch Marine Speakers Instruction Manual

Model: MRGB55B | Brand: BOSS Audio Systems

1. PRODUCT OVERVIEW

The BOSS Audio Systems MRGB55B 5.25-inch Marine Speakers are designed for marine and powersports environments, offering durability and multi-color illumination. These 2-way, full-range speakers are weatherproof and provide 150 watts of power per pair (75 watts each).



Image: Pair of BOSS Audio Systems MRGB55B marine speakers with a remote control, highlighting their multi-color illumination and weatherproof design.

2. KEY FEATURES

- **RGB Illumination:** Customize the speaker lighting with multi-color options, enhancing the visual experience, especially in low-light conditions.



Image: Close-up view of the speaker grille with different RGB illumination colors.

- **Polyurethane Cone:** The 5.25-inch speaker cones are constructed from polyurethane, providing a resilient and durable material for consistent sound quality and extended speaker lifespan.



Image: Graphic icon illustrating a Poly Injection Cone.

- **High-Temperature Voice Coil:** Voice coils are engineered to withstand high temperatures while maintaining strength and fatigue resistance, allowing for longer play times.



MULTICOLOR
ILLUMINATION

Image: Graphic icon illustrating a High-Temp Voice Coil.

- **Treated Cloth Surround:** The treated cloth surround material is durable and complements the cone, providing optimal support for sound excursion.
- **Weatherproof Design:** Equipped with advanced weatherproofing techniques to protect against environmental elements, making them suitable for marine and outdoor use.



Image: A BOSS Audio Systems MRGB55B speaker shown in a wet and muddy outdoor setting, next to an off-road vehicle.

- **Stamped Basket:** The robust stamped basket provides a stable platform for clear and undistorted audio output.
- **Dome Tweeter:** The dome-shaped tweeter radiates sound with a wide dispersion pattern, creating a larger "sweet spot" for high-frequency sounds.



**POLY INJECTION
CONE**

Image: Graphic icon illustrating a Tweeter.

3. SPECIFICATIONS



Image: Technical diagram displaying the dimensions of the MRGB55B speaker for installation planning.

Technical Specifications - MRGB55B

Feature	Detail
Model Name	MRGB55B

Feature	Detail
Speaker Type	Coaxial, 2-Way, Full Range
Speaker Size	5.25 Inches
Peak Power (Per Pair)	150 Watts
RMS Power (Each)	75 Watts
Impedance	4 Ohms
Frequency Response	80 Hz to 20 kHz
Sensitivity	88 dB
Mounting Type	Flush Mount
Mounting Depth	2.2 Inches
Mounting Hole Diameter	5 Inches
Product Dimensions (D x W x H)	4.92"D x 4.92"W x 3.74"H
Item Weight (Pair)	2.4 Lbs.
Material	Plastic
Color	Black
Special Feature	RGB Multi-Color Illumination, Weatherproof
Water Resistance Level	Water Resistant
Included Components	RGB Wireless Remote

4. WHAT'S IN THE BOX

- MRGB55B 5.25-inch Marine Speakers (Pair)
- RGB Wireless Remote
- Mounting Hardware (screws, clips)
- Speaker Wire with Spade Connectors (for audio)
- Wiring for RGB LED Illumination
- Gaskets for sealing

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your MRGB55B speakers. It is recommended to seek professional installation if you are unfamiliar with marine audio wiring.

5.1. Choosing a Mounting Location

Select a flat, stable surface that can accommodate the speaker's dimensions. Ensure there is sufficient clearance behind the mounting surface for the speaker's depth and wiring connections. The low-profile design of the MRGB55B speakers allows for installation in areas with limited space.

5.2. Mounting the Speakers

1. Carefully mark the cutout diameter (5 inches) and screw hole positions on your chosen mounting surface.
2. Use an appropriate tool to create the speaker cutout.
3. Drill pilot holes for the mounting screws.
4. Apply the provided gasket around the speaker opening to ensure a watertight seal.
5. Connect the speaker wires and RGB illumination wires as described in the wiring section.
6. Carefully place the speaker into the cutout and secure it with the provided mounting screws. Do not overtighten.

5.3. Wiring Connections

The MRGB55B speakers require two sets of connections: one for audio and one for the RGB LED illumination.

- **Audio Wiring:** Connect the speaker's positive (+) and negative (-) terminals to the corresponding outputs on your audio amplifier or head unit. Use the provided spade connectors for a secure connection.
- **RGB Illumination Wiring:** Connect the dedicated RGB wires from the speaker to a 12V power source. The included RGB wireless remote controls the color and mode of the illumination. Ensure proper polarity for the lights to function correctly.

Your browser does not support the video tag.

Video: An overview of the BOSS Audio Systems MRGB55B Marine Speakers, demonstrating their features and potential installation in a marine environment.

6. OPERATING INSTRUCTIONS

6.1. Audio Playback

Once properly installed and connected to your audio system, operate the speakers through your marine head unit or amplifier. Adjust volume, balance, and tone settings as desired for optimal sound quality.

6.2. RGB Illumination Control

The multi-color LED illumination is controlled via the included RGB wireless remote. Point the remote at the speakers (or the RGB controller, if separate) to change colors, adjust brightness, or select different lighting modes.

- **Power On/Off:** Use the designated button on the remote to turn the lights on or off.
- **Color Selection:** Select from a variety of preset colors.
- **Brightness Adjustment:** Increase or decrease the intensity of the LED lights.
- **Mode Selection:** Choose from various dynamic lighting effects, such as flashing, fading, or strobing.

7. MAINTENANCE

Regular maintenance will help prolong the life and performance of your marine speakers.

- **Cleaning:** Gently wipe the speaker grilles and cones with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the materials.
- **Inspection:** Periodically check all wiring connections for corrosion or looseness. Ensure mounting screws are secure.
- **Weather Protection:** While weatherproof, it is advisable to cover the speakers when not in use for extended periods, especially in harsh marine environments, to prevent accumulation of salt, dirt, or debris.

8. TROUBLESHOOTING

If you encounter issues with your MRGB55B speakers, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check all audio wiring connections at both the speaker and the amplifier/head unit.
 - Ensure the audio source is playing and the volume is turned up.
 - Verify the amplifier/head unit is powered on and functioning correctly.
- **Distorted Sound:**
 - Reduce the volume level on your audio source or amplifier.
 - Check for loose wiring connections.
 - Ensure the speaker cone is not damaged or obstructed.
- **RGB Lights Not Working:**
 - Check the 12V power connection for the RGB illumination.
 - Ensure the RGB wireless remote has working batteries and is pointed correctly.
 - Verify all RGB wiring connections are secure and have correct polarity.

9. WARRANTY AND SUPPORT

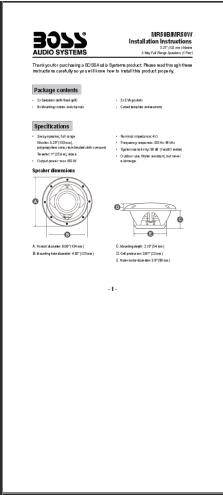
The BOSS Audio Systems MRGB55B speakers come with a Limited Warranty. For specific details regarding your warranty coverage, please refer to the documentation included with your purchase or visit the official BOSS Audio Systems website.

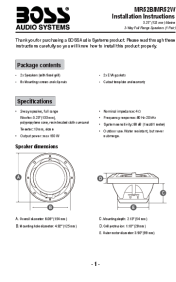
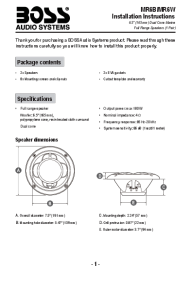



Professional installation is strongly encouraged to ensure proper and safe functionality of this product. For technical support or further assistance, please contact BOSS Audio Systems customer service.

- **2-Year Protection Plan:** Available for purchase.
- **3-Year Protection Plan:** Available for purchase.

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Related Documents - MRGB55B

	<p>BOSS Audio Systems MR50B/MR50W Marine Speaker Installation Instructions</p> <p>Detailed installation instructions for BOSS Audio Systems MR50B and MR50W 5.25-inch (133 mm) marine 2-way full-range speakers. Covers package contents, technical specifications, speaker dimensions, important installation notes, mounting procedures, and wiring guidance.</p>
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 <p>BOSS AUDIO SYSTEMS MR52B/MR52W Installation Instructions</p> <p>Thank you for purchasing a BOSS Audio System product. Please read these instructions carefully for proper use and to ensure the best possible performance.</p> <p>Package contents:</p> <ul style="list-style-type: none">1. 2x Speaker2. Mounting hardware <p>Specifications:</p> <ul style="list-style-type: none">1. Power: 50W RMS2. Impedance: 4Ω3. Frequency Response: 60Hz - 20kHz4. Sensitivity: 90dB5. Dimensions: 5.25" (133mm) x 3.5" (89mm) x 3.5" (89mm) <p>Speaker dimensions:</p> <ul style="list-style-type: none">A. Total diameter: 5.25" (133mm)B. Mounting hole diameter: 3.5" (89mm)C. Mounting hole spacing: 3.5" (89mm)D. Mounting hole diameter: 0.75" (19mm)E. Mounting hole diameter: 0.75" (19mm) <p>-1-</p>	<p>BOSS Audio Systems MR52B/MR52W Marine Speaker Installation Instructions</p> <p>Comprehensive installation guide for BOSS Audio Systems MR52B/MR52W 5.25-inch marine 2-way full-range speakers. Includes package contents, detailed specifications, speaker dimensions, mounting procedures, and wiring instructions for optimal performance and safety.</p>
 <p>BOSS AUDIO SYSTEMS MR6B/MR6W Installation Instructions</p> <p>Thank you for purchasing a BOSS Audio System product. Please read these instructions carefully for proper use and to ensure the best possible performance.</p> <p>Package contents:</p> <ul style="list-style-type: none">1. 2x Speaker2. Mounting hardware <p>Specifications:</p> <ul style="list-style-type: none">1. Power: 50W RMS2. Impedance: 4Ω3. Frequency Response: 60Hz - 20kHz4. Sensitivity: 90dB5. Dimensions: 6.5" (165mm) x 3.5" (89mm) x 3.5" (89mm) <p>Speaker dimensions:</p> <ul style="list-style-type: none">A. Total diameter: 6.5" (165mm)B. Mounting hole diameter: 3.5" (89mm)C. Mounting hole spacing: 3.5" (89mm)D. Mounting hole diameter: 0.75" (19mm)E. Mounting hole diameter: 0.75" (19mm) <p>-1-</p>	<p>BOSS Audio Systems MR6B/MR6W 6.5-Inch Marine Dual Cone Speaker Installation Instructions</p> <p>Comprehensive installation guide for BOSS Audio Systems MR6B/MR6W 6.5-inch (165 mm) Dual Cone Marine Full Range Speakers, covering package contents, specifications, dimensions, mounting, and wiring.</p>
 <p>BOSS AUDIO SYSTEMS B62RGB USER MANUAL QUICK START GUIDE</p> <p>Thank you for purchasing a BOSS Audio System product. Please read these instructions carefully for proper use and to ensure the best possible performance.</p> <p>Package contents:</p> <ul style="list-style-type: none">1. 2x Speaker2. Mounting hardware3. Bluetooth receiver4. Remote control <p>Specifications:</p> <ul style="list-style-type: none">1. Power: 50W RMS2. Impedance: 4Ω3. Frequency Response: 60Hz - 20kHz4. Sensitivity: 90dB5. Dimensions: 6.5" (165mm) x 3.5" (89mm) x 3.5" (89mm) <p>Speaker dimensions:</p> <ul style="list-style-type: none">A. Total diameter: 6.5" (165mm)B. Mounting hole diameter: 3.5" (89mm)C. Mounting hole spacing: 3.5" (89mm)D. Mounting hole diameter: 0.75" (19mm)E. Mounting hole diameter: 0.75" (19mm)	<p>BOSS Audio B62RGB Amplified Marine Waketower Speaker Pods User Manual</p> <p>User manual and quick start guide for the BOSS Audio B62RGB 6.5" 2-way amplified marine grade roll cage/waketower speaker pods, featuring Bluetooth connectivity, multicolor illumination, and built-in amplifier.</p>
 <p>BOSS AUDIO SYSTEMS MPWT60RGBW USER MANUAL QUICK START GUIDE</p> <p>Thank you for purchasing a BOSS Audio System product. Please read these instructions carefully for proper use and to ensure the best possible performance.</p> <p>Package contents:</p> <ul style="list-style-type: none">1. 2x Speaker2. Mounting hardware3. Bluetooth receiver4. Remote control <p>Specifications:</p> <ul style="list-style-type: none">1. Power: 50W RMS2. Impedance: 4Ω3. Frequency Response: 60Hz - 20kHz4. Sensitivity: 90dB5. Dimensions: 6.5" (165mm) x 3.5" (89mm) x 3.5" (89mm) <p>Speaker dimensions:</p> <ul style="list-style-type: none">A. Total diameter: 6.5" (165mm)B. Mounting hole diameter: 3.5" (89mm)C. Mounting hole spacing: 3.5" (89mm)D. Mounting hole diameter: 0.75" (19mm)E. Mounting hole diameter: 0.75" (19mm)	<p>BOSS Audio MPWT60RGBW 6.5" Marine & Powersports Wake Tower Speaker Pods User Manual</p> <p>This user manual provides detailed information for the BOSS Audio MPWT60RGBW 6.5-inch marine and powersports wake tower speaker pods. It covers product specifications, package contents, safety guidelines, step-by-step installation instructions, wiring guidance, LED light control via remote, and battery replacement for the remote.</p>
 <p>BOSS AUDIO SYSTEMS MC625BA USER MANUAL QUICK START GUIDE</p> <p>Thank you for purchasing a BOSS Audio System product. Please read these instructions carefully for proper use and to ensure the best possible performance.</p> <p>Package contents:</p> <ul style="list-style-type: none">1. 2x Speaker2. Mounting hardware3. Bluetooth receiver4. Remote control <p>Specifications:</p> <ul style="list-style-type: none">1. Power: 50W RMS2. Impedance: 4Ω3. Frequency Response: 60Hz - 20kHz4. Sensitivity: 90dB5. Dimensions: 6.5" (165mm) x 3.5" (89mm) x 3.5" (89mm) <p>Speaker dimensions:</p> <ul style="list-style-type: none">A. Total diameter: 6.5" (165mm)B. Mounting hole diameter: 3.5" (89mm)C. Mounting hole spacing: 3.5" (89mm)D. Mounting hole diameter: 0.75" (19mm)E. Mounting hole diameter: 0.75" (19mm)	<p>BOSS MC625BA Weatherproof Bluetooth Speaker System User Manual</p> <p>User manual for the BOSS MC625BA Weatherproof 2 Speaker System with Bluetooth audio streaming. Provides details on installation, wiring, specifications, features, and operation.</p>