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B2 Audio B2-RAGE63MRXO

B2 Audio Rage 3" Midrange Speaker with 3-Way Crossover Instruction Manual

Model: B2-RAGE63MRXO

Thank you for choosing B2 Audio. This manual provides essential information for the proper installation, operation, and maintenance of your new midrange speakers.

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1. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your B2 Audio Rage midrange speakers. It is recommended that installation be performed by a qualified car audio professional.

1.1 Unboxing and Component Overview

Upon unboxing, verify that all components are present and undamaged. The package includes two 3-inch midrange speakers and two 3-way passive crossovers.



Image: Front view of the B2 Audio Rage 3-inch midrange speaker.



Image: Detailed front view of the B2 Audio Rage 3-inch midrange speaker, showing the coated paper cone and bullet phase plug.



Image: Rear view of the B2 Audio Rage 3-inch midrange speaker, highlighting the robust magnet structure and terminals.



Image: Side view of the B2 Audio Rage 3-inch midrange speaker, showing the depth and build quality.



Image: The included 3-way passive crossover for the B2 Audio Rage speakers.



Image: Close-up of the connection terminals on the B2 Audio Rage 3-way crossover.



Image: All components of the B2 Audio Rage 3-inch midrange speaker system, including the speaker and crossover.

1.2 Wiring the Crossover

The 3-way passive crossover is designed to correctly distribute audio frequencies to the midrange speaker. Connect your amplifier's output to the 'IN' terminals on the crossover. Connect the midrange speaker to the 'M' (Midrange) terminals. Ensure correct polarity (+ to + and - to -) for all connections.

1.3 Mounting the Speakers

The speakers feature multiple mounting points for versatile installation. Ensure the mounting location is secure and free from obstructions. The shallow mounting depth of 1.17 inches (29.8 mm) allows for flexible placement in various vehicle applications.

1.4 Video Guide: Unboxing and Review

Video: An unboxing and review of the B2 Audio RAGE63MRXO midrange speakers, demonstrating components and initial impressions. This video is provided by Big Jeff Online Inc.

2. OPERATING YOUR MIDRANGE SPEAKERS

Once properly installed, your B2 Audio Rage midrange speakers are ready for use. These speakers are designed to reproduce mid-range frequencies with clarity and precision.

2.1 Initial Power-Up and Sound Check

1. Ensure all wiring connections are secure and correct.
2. Turn on your car audio system at a low volume level.
3. Gradually increase the volume, listening for clear audio reproduction without distortion.
4. Adjust your head unit's equalizer settings to fine-tune the sound to your preference.

2.2 Break-in Period

Allow for a break-in period of approximately 10-20 hours of normal listening. This allows the speaker's suspension components to loosen up, leading to improved sound quality and performance.

3. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your B2 Audio Rage midrange speakers, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cones and grilles. Avoid using harsh chemicals or abrasive materials.
 - **Environmental Protection:** While the speakers feature a coated paper cone for durability, avoid prolonged exposure to extreme moisture or direct sunlight to prevent degradation over time.
 - **Connection Checks:** Periodically inspect wiring connections to ensure they remain tight and free from corrosion. Loose connections can lead to signal loss or damage.
 - **Avoid Overpowering:** Do not exceed the recommended RMS power handling of 80 Watts to prevent speaker damage.
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4. TROUBLESHOOTING

If you experience issues with your B2 Audio Rage midrange speakers, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring; Amplifier off; Blown fuse in amplifier	Check all connections; Verify amplifier power; Inspect and replace fuses if necessary
Distorted sound	Overpowering speaker; Amplifier gain too high; Incorrect crossover settings	Reduce volume/gain; Check amplifier settings; Verify crossover connections

Problem	Possible Cause	Solution
Weak or muffled sound	Incorrect polarity; Loose connections; Speaker cone damage	Check speaker wire polarity; Secure all connections; Inspect speaker cone for damage
Intermittent sound	Loose wiring; Faulty cable; Overheating amplifier	Check and secure all wiring; Replace faulty cables; Ensure proper amplifier ventilation

If problems persist after attempting these steps, please contact B2 Audio customer support.

5. SPECIFICATIONS

Detailed technical specifications for the B2 Audio Rage 3" Midrange Speaker with 3-Way Crossover:

- **Model Name:** B2-RAGE63MRXO
- **Speaker Type:** Loudspeaker
- **RMS Power Handling:** 80 Watts
- **Nominal Impedance:** 6 Ohm
- **Voice Coil Diameter:** 1"
- **Frequency Response:** 60 Hz ~ 20 KHz
- **Sensitivity:** 83.7 dB
- **Speaker Size:** 3 Inches
- **Product Dimensions:** 1.58"D x 3.38"W x 3.38"H
- **Mounting Depth:** 1.17 inches (29.8 mm)
- **Item Weight:** 2.86 pounds (1.3 Kilograms)
- **Cone Material:** Coated Paper Cone (Bamboo Infused)
- **Surround Sound Channel Configuration:** 2.0
- **Connectivity Technology:** Wired
- **Is Waterproof:** FALSE
- **UPC:** 850063478342

6. WARRANTY INFORMATION

B2 Audio products come with a Limited Warranty. Please refer to the warranty card included with your product for specific terms and conditions. Typically, this covers defects in materials and workmanship under normal use.

Optional protection plans may be available for purchase to extend coverage beyond the standard manufacturer's warranty. Please check with your retailer for details on 2-Year, 3-Year, or other extended protection plans.

7. CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact B2 Audio customer service.

- **Website:** Visit the official B2 Audio website for FAQs, product information, and contact options.
- **Retailer Support:** Contact the retailer where you purchased the product for immediate assistance or to initiate a warranty claim.

