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Alpine BRV-S65

Alpine BRV-S65 6.5" BassRev™ Speaker Set Instruction Manual

Model: BRV-S65

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Alpine BRV-S65 6.5" BassRev™ Speaker Set. Designed for optimal audio performance, these speakers integrate advanced technologies to deliver clear, powerful sound in your vehicle. For best results, please read this manual thoroughly before installation and use.

PRODUCT OVERVIEW

The Alpine BRV-S65 speakers are part of the BassRev series, engineered to work seamlessly with Alpine's Optimate DSP amplifiers for enhanced audio tuning and performance. This series focuses on delivering extended low frequencies and balanced tonal playback.



Figure 1: Front view of the Alpine BRV-S65 6.5 inch BassRev speaker, showcasing the cone and surround design.



Figure 2: Rear view of the Alpine BRV-S65 6.5 inch BassRev speaker, showing the magnet and terminals.

Key Features:

- **Powerful & Efficient Performance:** Delivers 150W peak and 50W RMS with a 4-ohm impedance (DCR 3.7 ohms) for clean, distortion-free sound.
- **OPTIM Sync Technology:** Features Alpine's dynamic bass boost algorithm and built-in pre-EQ for extended low frequencies and balanced tonal playback at all volumes. This technology is designed to work optimally with Alpine's PXE-C80-88 DSP amplifier.
- **H.E.D.G.E Surround Design:** High Excursion Design Gathered Edge provides symmetrical cone movement for greater output and deeper, more accurate bass. This unique rubber surround increases output and low-frequency extension.
- **Premium Build & Materials:** Rigid polypropylene-mica cone construction with a sleek gunmetal topcoat enhances both performance and in-car aesthetics.
- **Wide, Unified Soundstage:** Phase Sync'd coaxial design aligns acoustic output between the woofer and tweeter for seamless sound dispersion and an immersive listening experience.

Product Overview Video:

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Video 1: An overview of the Alpine BassRev Series, highlighting key features and compatibility with the Optimate DSP amplifier. This video provides visual demonstrations of the speakers and their design elements.

SETUP AND INSTALLATION

The Alpine BRV-S65 speakers are designed for straightforward installation in most vehicles. For optimal performance, it is highly recommended to pair these speakers with an Alpine Optimate DSP amplifier, such as the PXE-C80-88. This amplifier provides built-in tuning profiles specifically calibrated for BassRev speakers, simplifying the setup process and ensuring the best possible sound quality.

- **Component Speakers:** The BRV-S65 is a coaxial speaker system. For component systems in the BassRev series, no passive crossover is included. This design allows for full active tuning via a DSP, providing precise control over each speaker element.
- **DSP Integration:** When using an Optimate DSP amplifier, select the appropriate speaker size and type from the amplifier's menu. This will apply the pre-tuned settings for optimized audio output.
- **Mounting:** Ensure proper mounting in your vehicle's speaker locations. The speakers are designed for flush mount installation. Refer to your vehicle's specific audio system requirements for exact fitment.
- **Wiring:** Connect the speakers to your amplifier using appropriate gauge speaker wire. Ensure correct polarity for all connections.

OPERATION

Once installed and connected, operate your Alpine BRV-S65 speakers through your vehicle's head unit and connected amplifier. Adjust volume and audio settings (bass, treble, balance, fader) as desired. If using an Alpine Optimate DSP amplifier, utilize its advanced tuning capabilities to customize your sound experience further.

- Avoid excessive volume levels for prolonged periods to prevent speaker damage and hearing loss.
- Periodically check speaker connections to ensure they remain secure.

MAINTENANCE

The Alpine BRV-S65 speakers require minimal maintenance. Keep the speaker grilles free from dust and debris. Use a soft, dry cloth for cleaning. Avoid using harsh chemicals or abrasive cleaners, as these can damage the speaker cone or surround materials.

- Ensure no foreign objects obstruct the speaker cone's movement.
- Inspect wiring periodically for any signs of wear or damage.

TROUBLESHOOTING

If you experience issues with your Alpine BRV-S65 speakers, consider the following common troubleshooting steps:

- **No Sound:** Check all wiring connections from the head unit to the amplifier and from the amplifier to the speakers. Ensure the amplifier is powered on and functioning correctly. Verify audio source selection.
- **Distorted Sound:** Reduce the volume level. Check amplifier gain settings; excessive gain can cause distortion. Ensure speaker wires are not frayed or shorting. Verify that the speakers are not over-powered or under-powered by the amplifier.
- **Weak Bass:** Confirm correct polarity of speaker connections. If using a DSP, ensure the bass boost and low-pass filter settings are configured appropriately.
- **Intermittent Sound:** Inspect all connections for looseness. Check for any kinks or damage in the speaker wiring.

If problems persist after performing these checks, consult a professional car audio technician or contact Alpine customer support.

SPECIFICATIONS

Specification	Detail
Model Name	BRV-S65
Speaker Size	6.5 Inches
Mounting Type	Flush Mount
Material	Polypropylene-Mica, Gunmetal
RMS Power	50 Watts
Peak Power	150 Watts
Impedance	4-ohm (DCR 3.7 ohms)
Frequency Response	20 Hz (Lower limit, actual range depends on system)
Product Dimensions	18"D x 8"W x 14"H (Packaging dimensions, actual speaker dimensions vary)
Item Weight	10 Pounds
UPC	793276002358

WHAT'S IN THE BOX

- 1x Alpine BRV-S65 6.5" BassRev™ Speaker Set

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Alpine website. Keep your proof of purchase for warranty claims.

