

## Alpine DM-65-G

# Alpine DM-65-G DM Series 6.5-inch 2-Way Coaxial Speaker Instruction Manual

Model: DM-65-G

## INTRODUCTION

Thank you for choosing the Alpine DM-65-G DM Series 6.5-inch 2-Way Coaxial Speakers. These speakers are designed to deliver high-quality audio performance in your vehicle. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your product. Please read this manual thoroughly before installation and keep it for future reference.

## SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the product and vehicle:

- **Professional Installation Recommended:** Installation of car audio components may require experience with electrical wiring and vehicle disassembly. If you are unsure, consult a qualified professional.
- **Disconnect Battery:** Before starting any electrical work, disconnect the negative terminal of your vehicle's battery to prevent short circuits.
- **Use Correct Tools:** Ensure you have the appropriate tools for installation.
- **Secure Wiring:** Route all wiring carefully to avoid pinching, chafing, or interference with vehicle moving parts. Use grommets when passing wires through metal panels.
- **Proper Impedance Matching:** Ensure your amplifier or head unit is compatible with the speaker's 4 Ohm impedance. Incorrect impedance can damage your equipment.
- **Avoid Overpowering:** Do not exceed the speaker's maximum power handling (200W Peak / 50W RMS) to prevent damage.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Alpine DM-65-G 6.5-inch Coaxial Speakers (Pair)
- Mounting Hardware (screws, clips)
- Speaker Grilles
- Warranty Card
- Instruction Manual (this document)



Image: A pair of Alpine DM-65-G 6.5-inch coaxial speakers. One speaker is shown from the front, highlighting the cone and tweeter, while the other is angled to show its depth and magnet structure.

## SETUP AND INSTALLATION

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This section provides general guidelines for installing your Alpine DM-65-G speakers. Specific vehicle requirements may vary.

### 1. Planning and Preparation

1. **Choose Mounting Location:** Identify suitable locations in your vehicle (e.g., door panels, rear deck) that accommodate 6.5-inch speakers. Ensure there is sufficient depth for the speaker magnet.
2. **Check Clearance:** Verify that the speaker will not interfere with window mechanisms, door panels, or other vehicle components.
3. **Gather Tools:** You will typically need screwdrivers, wire strippers, crimpers, a drill, and possibly a panel removal tool.



Image: A side profile view of the Alpine DM-65-G speaker, illustrating the depth of the magnet structure and the speaker frame, which is crucial for checking mounting clearance.

## 2. Speaker Removal (if replacing existing speakers)

1. Carefully remove the existing speaker grilles and speakers.
2. Disconnect the wiring from the old speakers.

## 3. Mounting the Speakers

1. Position the new Alpine DM-65-G speaker in the desired location.
2. Mark the screw holes. If new holes are required, drill pilot holes carefully.
3. Secure the speaker using the provided mounting screws. Do not overtighten.



Image: A direct front view of a single Alpine DM-65-G coaxial speaker, showing the speaker cone, the integrated tweeter, and the mounting holes around the perimeter.

#### 4. Wiring Connections

1. Connect the positive (+) speaker wire from your amplifier/head unit to the positive terminal on the speaker.
2. Connect the negative (-) speaker wire from your amplifier/head unit to the negative terminal on the speaker.
3. Ensure all connections are secure and properly insulated to prevent short circuits.



Image: A close-up view of the center of the Alpine DM-65-G speaker, detailing the integrated tweeter and the Alpine logo on the speaker cone. This area houses the coaxial tweeter element.

## 5. Testing and Reassembly

1. Reconnect the vehicle battery.
2. Test the speakers with your audio system to ensure they are functioning correctly.
3. Once confirmed, reassemble any removed vehicle panels and speaker grilles.

## OPERATING INSTRUCTIONS

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The Alpine DM-65-G speakers operate as part of your vehicle's audio system. Once properly installed and connected to a compatible amplifier or head unit, they will reproduce audio signals.

- **Volume Control:** Adjust the volume through your head unit or amplifier. Avoid excessively high volumes that cause distortion, as this can damage the speakers.
- **Audio Settings:** Utilize your head unit's equalizer and sound processing features to fine-tune the audio output to

your preference.

- **Break-in Period:** Allow a short break-in period (typically 10-20 hours of normal listening) for the speaker components to loosen up and achieve optimal sound quality.

## MAINTENANCE

Minimal maintenance is required for your Alpine DM-65-G speakers:

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth to remove dust. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check wiring connections for looseness or corrosion.
- **Environmental Protection:** Ensure speakers are protected from direct water exposure and extreme temperatures.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none"><li>◦ Loose or incorrect wiring connection</li><li>◦ Amplifier/head unit not powered on or faulty</li><li>◦ Speaker damaged</li></ul>	<ul style="list-style-type: none"><li>◦ Check all speaker wire connections at both the speaker and the amplifier/head unit.</li><li>◦ Verify power to your audio system components.</li><li>◦ Test with another known-good speaker if possible.</li></ul>
Distorted sound	<ul style="list-style-type: none"><li>◦ Volume too high</li><li>◦ Incorrect audio settings (e.g., bass boost too high)</li><li>◦ Underpowered or overdriven amplifier</li><li>◦ Loose speaker mounting</li></ul>	<ul style="list-style-type: none"><li>◦ Reduce volume.</li><li>◦ Adjust equalizer and tone controls on your head unit/amplifier.</li><li>◦ Ensure amplifier gain is set correctly and matches speaker power handling.</li><li>◦ Check if speakers are securely mounted.</li></ul>
Intermittent sound	<ul style="list-style-type: none"><li>◦ Loose wiring connection</li><li>◦ Damaged speaker wire</li></ul>	<ul style="list-style-type: none"><li>◦ Inspect and secure all wiring connections.</li><li>◦ Check speaker wires for cuts or damage and replace if necessary.</li></ul>

If these steps do not resolve the issue, please contact Alpine customer support or your authorized dealer.

## SPECIFICATIONS

Feature	Detail
Model Number	DM-65-G
Speaker Type	6.5-inch 2-Way Coaxial Speaker
Peak Power Rating	200W
RMS Power Rating	50W
Frequency Response	65Hz - 20kHz



Feature	Detail
Sensitivity	92dB
Impedance	4 Ohm
Product Dimensions (D x W x H)	4"D x 6.5"W x 4"H
Item Weight	5.7 Pounds
UPC	793276001849

## Warranty Information

The Alpine DM-65-G speakers come with a **1 Year Manufacturer's Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. Please refer to the included Warranty Card for complete terms and conditions, including details on how to obtain service.

Keep your purchase receipt as proof of purchase for warranty claims.

## Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Alpine customer support or your authorized Alpine dealer.

Visit the official Alpine website for the most up-to-date support information and contact details: [www.alpine-usa.com/support](http://www.alpine-usa.com/support)



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## Related Documents

	<p><a href="#">Alpine DM-65C Component Speaker System Installation and Specifications</a></p> <p>Installation guide and technical specifications for the Alpine DM-65C 2-way component speaker system, including wiring diagrams, mounting instructions, and product features.</p>
	<p><a href="#">Alpine S-S65C Component Speaker System Installation Guide</a></p> <p>Comprehensive installation guide for the Alpine S-S65C S-Series 2-way component speaker system, detailing woofer, tweeter, and network components, wiring connections, and external dimensions for vehicle audio integration.</p>
	<p><a href="#">Alpine S2-S40C 4" Component 2-Way Speaker System - Specifications &amp; Installation Guide</a></p> <p>Comprehensive guide for the Alpine S2-S40C 4-inch component 2-way speaker system. Includes installation instructions, detailed specifications, power ratings, wiring diagrams, external dimensions, warranty information, and product registration details. Learn how to properly install and use your Alpine speakers for optimal performance.</p>







[\[pdf\]](#) Accessories Catalog

alpine usa DOW Technologies Premium Audio System Interface for Alpine Jeep® Head Units Retains the OEM Amplifier when installing an Restyle Unit in 2018 2025 ProductLine dowtechnologies img product description |||

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