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> CERWIN-VEGA! V69 6x9 2-Way Full Range Coaxial Car Audio Speakers User Manual

## CERWIN-VEGA! V69

# CERWIN-VEGA! V69 6"x9" 2-Way Full Range Coaxial Car Audio Speakers User Manual

Model: V69

## INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your CERWIN-VEGA! V69 6"x9" 2-Way Full Range Coaxial Car Audio Speakers. Designed for exceptional clarity, powerful bass, and crisp highs, these speakers deliver an immersive audio experience. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your speakers.

## SETUP AND INSTALLATION

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Proper installation is crucial for the performance and durability of your V69 speakers. It is recommended that installation be performed by a qualified car audio professional.

### Unpacking and Inspection

Carefully remove the speakers from their packaging. Inspect for any signs of damage during transit. Retain all packaging materials for future use or in case of return.



Figure 1: CERWIN-VEGA! V69 6"x9" Coaxial Speakers. These speakers feature a hybrid carbon fiber-polypropylene cone and a red Santoprene rubber surround.

## Mounting Considerations

The V69 speakers are designed as a direct replacement for most factory 6x9" speakers. Ensure adequate mounting depth and clearance in your vehicle's speaker locations. The speakers come with mesh steel grilles for protection.

- **Overall Diameter:** 6.40" (162.5mm) x 9.29" (236mm)
- **Cut-Out Diameter:** 5.93" (150.5mm) x 8.68" (220.5mm)
- **Mounting Depth:** 3.20" (81mm)



Figure 2: V69 Speaker Dimensions. Refer to these measurements for proper fitment in your vehicle.

## Wiring

Connect the speaker wires to your car audio system's amplifier or head unit. Ensure correct polarity (positive to positive, negative to negative) to avoid phase issues that can degrade sound quality. The V69 has a nominal impedance of 4. These speakers are designed to handle 140W RMS / 420W MAX power. For optimal performance, especially to achieve loud and clear audio with deep bass, it is highly recommended to power these speakers with an external amplifier rather than relying solely on a factory head unit.

# OPTIMIZED FOR MAXIMUM POWER & CLARITY

**THE V69 IS ENGINEERED WITH A HYBRID CARBON FIBER-POLYPROPYLENE CONE, DELIVERING HIGHLY RESPONSIVE, ACCURATE SOUND REPRODUCTION. WITH A SANTOPRENE™ RUBBER SURROUND, THIS SPEAKER OFFERS ENHANCED EXCURSION, ENSURING CLEAN, DISTORTION-FREE BASS AND SMOOTH MIDRANGE FREQUENCIES. THE 4Ω IMPEDANCE ALLOWS FOR INCREASED POWER OUTPUT, MAKING IT IDEAL FOR HIGH-PERFORMANCE AUDIO SYSTEMS.**



- RESPONSIVE HYBRID CARBON FIBRE / POLYPROPYLENE CONE
- SANTOPRENE RUBBER SURROUND
- DYNAMICALLY BALANCED 1" SILK DOME TWEETER
- INTEGRATED CROSSOVER WITH TWEETER PROTECTION
- NEODYMIUM TWEETER MAGNET
- STRONTIUM FERRITE WOOFER MAGNET
- POWDERCOATED, RIGID STAMPED STEEL BASKET
- MESH STEEL GRILLES INCLUDED
- SOLD IN PAIRS
- SPEAKER FITMENT ADAPTERS INCLUDED

Figure 3: V69 Speaker Components. The integrated crossover ensures smooth frequency transitions and tweeter protection.

## OPERATING INSTRUCTIONS

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Once installed, your V69 speakers are ready for use. Ensure your audio source (head unit, amplifier) is properly configured.

- **Power On:** Turn on your car's audio system.
- **Volume Control:** Start with the volume at a low level and gradually increase it to your desired listening level. Avoid excessive volume that causes audible distortion, as this can damage the speakers.
- **Audio Settings:** Adjust bass, treble, and balance settings on your head unit or amplifier to achieve your preferred sound profile.
- **Break-in Period:** New speakers may require a break-in period of several hours of normal use to achieve their optimal sound performance. During this period, avoid playing music at extremely high volumes.

## MAINTENANCE

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Your CERWIN-VEGA! V69 speakers are built for durability and require minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker grilles and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Environmental Conditions:** While designed for automotive environments, avoid exposing speakers to excessive moisture, direct sunlight for prolonged periods, or extreme temperatures.
- **Protection:** Ensure the speaker grilles are properly installed to protect the cones from physical damage.

## TROUBLESHOOTING

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If you experience issues with your V69 speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Speakers	Incorrect wiring; loose connections; amplifier/head unit off or faulty; speaker damage.	Check all wiring connections for proper polarity and secure fit. Ensure amplifier/head unit is powered on and functioning. Test with another audio source if possible.
Distorted Sound	Volume too high; improper gain settings on amplifier; poor audio source quality; damaged speaker.	Reduce volume. Adjust amplifier gain settings to match head unit output. Use high-quality audio files. Inspect speaker cone for physical damage.
Weak or No Bass	Incorrect wiring polarity; insufficient power; bass settings too low; speaker not sealed properly.	Verify speaker wire polarity. Ensure speakers are receiving adequate power from an amplifier. Adjust bass settings on head unit/amplifier. Check speaker mounting for air leaks.
One Speaker Not Working	Loose connection to that speaker; faulty speaker wire; damaged speaker.	Check connections for the specific speaker. Swap speaker wires with a working speaker to isolate the issue. If problem persists, the speaker may be damaged.

If troubleshooting steps do not resolve the issue, contact a qualified car audio technician or CERWIN-VEGA! customer support.

## SPECIFICATIONS

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Feature	Detail
Model Name	V69
Speaker Type	2-Way Coaxial Full Range
Speaker Size	6"x9"
Power Handling (RMS/MAX)	140W RMS / 420W MAX
Frequency Response	90Hz-20KHz

Feature	Detail
Sensitivity (1W/1M)	89dB
Nominal Impedance	4
Free Air Resonance	56Hz
Overall Diameter	6.40" (162.5mm) x 9.29" (236mm)
Cut-Out Diameter	5.93" (150.5mm) x 8.68" (220.5mm)
Mounting Depth	3.20" (81mm)
Cone Material	Hybrid Carbon Fiber / Polypropylene
Surround Material	Santoprene Rubber
Tweeter Type	Dynamically Balanced Silk Dome
Crossover	Integrated with Tweeter Protection
Woofer Magnet	Strontium Ferrite
Basket Material	Powder-Coated, Rigid Stamped Steel
Grilles Included	Yes (Mesh Steel)
Sold As	Pairs
Item Weight	9.02 pounds
Product Dimensions	2"D x 6"W x 9"H
UPC	847169065316

## WARRANTY INFORMATION

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Specific warranty details for the CERWIN-VEGA! V69 speakers are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official CERWIN-VEGA! website.

## CUSTOMER SUPPORT

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If you have any questions, require technical assistance, or need to report an issue with your CERWIN-VEGA! V69 speakers, please contact CERWIN-VEGA! customer support through their official website or the retailer from whom you purchased the product. Please have your product model number (V69) and purchase details ready when contacting support.



