

## 5 CORE CS 04 2W

# Instruction Manual

5 CORE 2 Way 4-inch Car Stereo Speakers

Model: CS 04 2W

## INTRODUCTION

Thank you for choosing the 5 CORE 2 Way 4-inch Car Stereo Speakers. These high-performance coaxial speakers are designed to deliver powerful, clear, and immersive audio for your vehicle. With 250W max power and a durable build, they are an excellent upgrade for any car audio system. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your speakers.



*Image: Front and side view of the 5 CORE 4-inch car stereo speakers.*

## KEY FEATURES

- **Powerful 250W Max Power:** Delivers loud, distortion-free sound for an immersive listening experience.
- **2-Way Coaxial Design:** Features an 88dB sensitivity rating for balanced highs, mids, and lows, providing enhanced stereo clarity.
- **Wide Frequency Response:** Offers a range of 80Hz–20kHz for rich bass and crisp highs, ensuring superior audio balance.
- **Durable Build:** Equipped with a rubber edge injection cone for smooth sound reproduction, an ASV 1" voice coil, and a Y30-grade magnet for reliable and consistent audio output.
- **Easy Installation:** Compact  $56 \pm 1.0$ mm mounting depth makes them a perfect fit for car doors, trucks, and various vehicles.

# UNCOMPROMISING POWER. UNMATCHED CLARITY



**250W**  
Max Power



**1"**  
Voice Coil Size



**4 Ohm**  
Impedance



*Image: Highlights of the speaker's power and clarity features.*

## SMALL PARAMETERS

<i>Sd</i>	5.675
<i>Mms</i>	4.142
<i>Qms</i>	0.844
<i>Cms</i>	276.756
<i>Qes</i>	0.788
<i>Qts</i>	0.407
<i>Re</i>	3.6
<i>Vas</i>	1.267
<i>Bl</i>	3.963
<i>Levc</i>	147.775uH
<i>MMd</i>	12.2g
<i>Fs</i>	148.644
<i>Sensitivity</i>	89.1



Image: Detailed anatomy of the speaker components.

### SETUP AND INSTALLATION

- The 5 CORE 4-inch car speakers are designed for straightforward installation. It is recommended to have professional assistance if you are unfamiliar with car audio wiring. Ensure your vehicle's power is off before beginning installation.
- Preparation:** Gather necessary tools including screwdrivers, wire strippers, and electrical tape. Disconnect the car battery's negative terminal.
  - Remove Old Speakers:** Carefully remove the existing speakers from their mounting locations (typically car doors or side panels).
  - Mounting:** Place the new 5 CORE speakers into the designated openings. Use the pre-drilled holes on the speaker frame to align with your vehicle's mounting points. Secure them firmly with screws.
  - Wiring:** Connect the speaker wires to your car's audio system. Ensure correct polarity (positive to positive, negative to negative) for optimal sound. The speakers feature steel terminals for secure connections.
  - Test:** Reconnect the car battery and test the speakers with your car stereo. Adjust settings as needed.

Video: An overview of the 5 CORE 4-inch car stereo speakers, highlighting features and showing a glimpse of installation in a vehicle.



# SPEAKER PARAMETERS

Bl	3.963
Levc	147.775uH
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Cms	276.756
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Image: Detail of the speaker's quick connect terminals for easy wiring.

## OPERATING INSTRUCTIONS

Once installed, operate your 5 CORE speakers through your car's head unit or amplifier. These speakers are designed to handle up to 250W max power, but it's crucial to match them with an amplifier that provides appropriate RMS power to prevent damage. Start with a low volume and gradually increase it to your desired listening level. Avoid prolonged listening at maximum volume to preserve speaker life and prevent distortion.

## MAINTENANCE

To ensure the longevity and optimal performance of your 5 CORE speakers, follow these simple maintenance tips:

- **Cleaning:** Gently wipe the speaker grilles and cones with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive materials.
- **Protection:** Protect the speakers from direct sunlight and extreme temperatures, which can degrade materials over time.
- **Inspection:** Periodically check the wiring connections to ensure they are secure and free from corrosion.

## Troubleshooting

If you encounter issues with your 5 CORE speakers, consider the following common troubleshooting steps:

- **No Sound:** Check all wiring connections from the head unit/amplifier to the speakers. Ensure the amplifier is powered on and functioning correctly. Verify the head unit's output settings.
- **Distorted Sound:** Reduce the volume level. Check if the amplifier's gain settings are too high. Inspect speaker cones for any physical damage. Ensure proper impedance matching between speakers and amplifier.
- **Weak Bass:** Verify that the speaker polarity is correct. Check the head unit's bass settings and ensure any subwoofers or external bass processors are properly configured.
- **Intermittent Sound:** Check for loose wiring connections or damaged cables. Ensure the speaker terminals are clean and secure.

If problems persist after attempting these steps, consult a professional car audio technician.

## Technical Specifications

Feature	Specification
Speaker Size	4 Inches
Speaker Type	2 Way Coaxial
Maximum Output Power	250 Watts
RMS Power	30 Watts
Impedance	4 Ohm
Frequency Response	80Hz–20kHz
Sensitivity	88dB ±3dB
Voice Coil	1" ASV Voice Coil
Magnet Grade	Y30-grade (5.2 oz)
Cone Material	Rubber Edge Injection Cone
Mounting Depth	56 ±1.0mm
Included Components	2x Car Speaker
Product Dimensions	5.3"D x 2.2"W x 4"H
Item Weight	2.4 Pounds





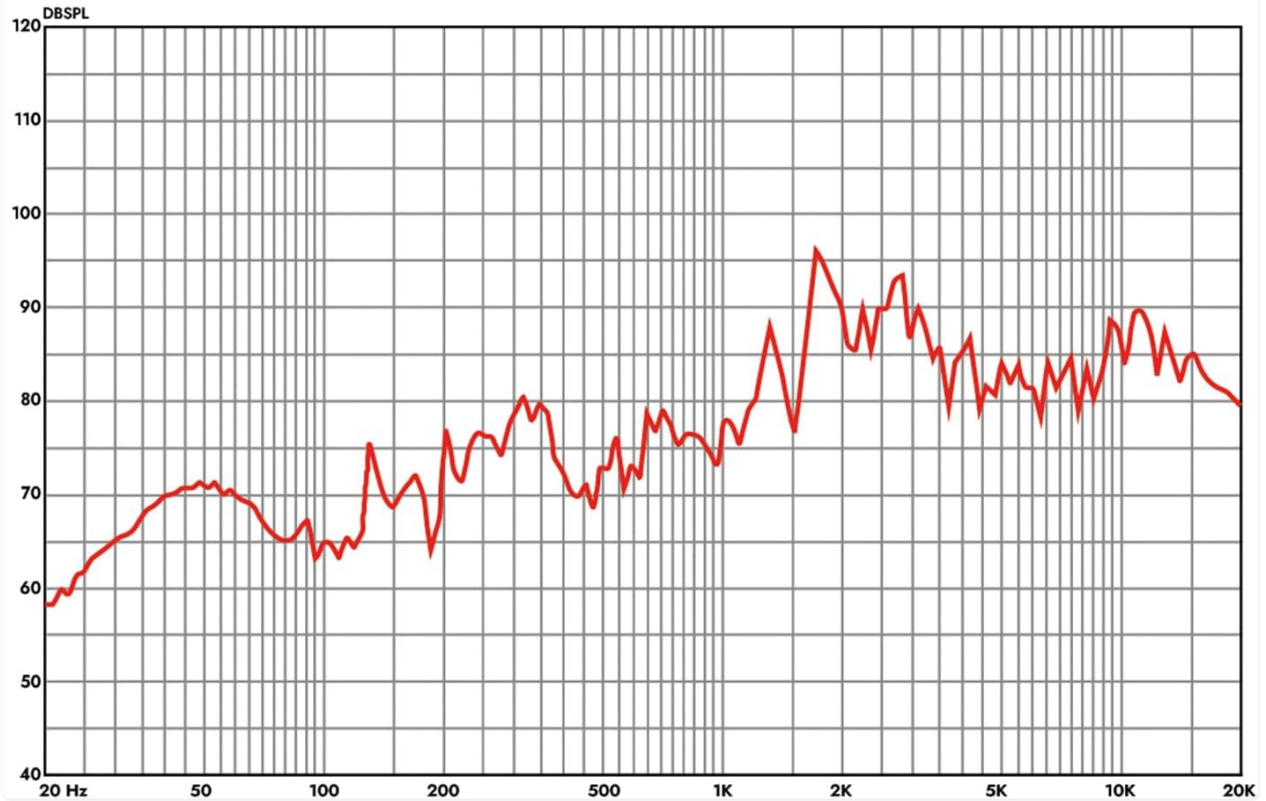
## SPECIFICATIONS

- ➡ **Speaker Size : 4 Inch**
- ➡ **Speaker Type : 2 Way Speaker**
- ➡ **Impedance: 4 Ohm**
- ➡ **Material Type : Rubber Edge Injection Cone**
- ➡ **Voice Coil : 1" Asv Voice Coil**
- ➡ **Sensitivity: 88  $\pm$ 3dB**
- ➡ **Magnet Grade: Y25**
- ➡ **Frequency: 80-20 KHz**

**250 Watts**  
Max Power

*Image: Detailed speaker parameters table.*

## CS 04 2W **SPL vs FREQ**









*Image: SPL vs. Frequency response graph for the speaker.*

### IMPORTANT NOTES

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 <p>MANUAL INSTRUCTION</p> <p>5 CORE</p> <p>DS CH BLU VEL HD PRODUCT MODEL</p> <p>Your Complete Guide to Make your Keyboard Stand Ready to Use</p>	<p><a href="#">5 Core Drum Throne Manual and Specifications</a></p> <p>Instruction manual and technical specifications for the 5 Core DS CH BLU VEL HD drum throne, including assembly, adjustment, and product details.</p>
 <p>5 CORE</p> <p>DOUBLE X FRAME DESIGN FOR <b>INCREASED STABILITY</b> AND HIGHER WEIGHT CAPACITY</p> <p>www.5core.com</p>	<p><a href="#">5 CORE KS 1X Keyboard Stand User Manual: Double X-Frame Design for Stability</a></p> <p>User manual for the 5 CORE KS 1X Keyboard Stand. Features a double X-frame design for increased stability and higher weight capacity, anti-slip feet, foldable structure, and 7-step height adjustment. Includes package contents and assembly instructions.</p>
 <p>5 CORE</p> <p>ACTIVE HOME 8 2-MIC</p>	<p><a href="#">5 CORE Active Home 8 2-MIC Portable Battery Speaker System User Manual</a></p> <p>User manual for the 5 CORE Active Home 8 2-MIC portable battery speaker system, covering recording, TWS connection, controls, remote functions, and troubleshooting.</p>
 <p>5 CORE</p> <p>ACTIVE HOME 15 2-MIC</p>	<p><a href="#">5 CORE ACTIVE HOME 15 2.MIC Portable Battery Speaker System User Manual</a></p> <p>User manual and guide for the 5 CORE ACTIVE HOME 15 2.MIC portable battery speaker system, detailing recording functions, TWS wireless connection, control panel and remote operations, troubleshooting common issues, and Bluetooth pairing and audio streaming.</p>
 <p>5 CORE</p> <p>ACTIVE HOME 12 2-MIC</p>	<p><a href="#">5 CORE ACTIVE HOME 12 2.MIC Portable Battery Speaker System User Manual</a></p> <p>User manual and guide for the 5 CORE ACTIVE HOME 12 2.MIC portable battery speaker system. Features include recording, TWS connection, Bluetooth pairing, troubleshooting, and control panel details.</p>
 <p>5 CORE</p> <p>Multi Guitar Rack Stand Floor <b>G Rack 9N1 OVAL</b> Assembly Manual For Guitar Rack Stand</p> <p>Package Includes 1x Guitar Rack   1x User Manual</p>	<p><a href="#">5 CORE G Rack 9N1 OVAL Multi Guitar Rack Stand Assembly Manual</a></p> <p>Assembly manual for the 5 CORE G Rack 9N1 OVAL multi guitar rack stand. Includes step-by-step instructions and contact information.</p>