

JBL JBLSUBST122DAM

JBL Stage 122D 12-inch Dual 4-ohm DVC Car Subwoofer Instruction Manual

Model: JBLSUBST122DAM

INTRODUCTION

Thank you for choosing the JBL Stage 122D 12-inch Dual 4-ohm DVC Car Subwoofer. This manual provides essential information for the proper installation, operation, and maintenance of your new subwoofer. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and longevity of your product.

SAFETY INFORMATION

WARNING:

- Always disconnect the vehicle's negative battery terminal before beginning any installation.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Avoid installing the subwoofer in locations where it may interfere with vehicle operation or safety features.
- Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when adjusting volume levels.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x JBL Stage 122D 12-inch Subwoofer
- 1x Adhesive-backed foam gasket
- 1x Owner's manual (multi-language)

FEATURES

The JBL Stage 122D subwoofer is engineered to deliver robust bass performance. Key features include:

- **Polypropylene Cone:** Designed for enhanced stiffness and durability, contributing to accurate bass reproduction.
- **High-Roll Rubber Surround:** Provides excellent cone excursion and longevity, capable of withstanding demanding conditions.
- **Dual 4-ohm Voice Coils:** Offers flexible wiring options to optimize impedance matching with various amplifiers.
- **Power Handling:** Capable of handling up to 250 watts RMS, ensuring powerful and clear bass.
- **Versatile Enclosure Compatibility:** Performs effectively in both sealed and ported enclosures, allowing for customization based on desired bass characteristics.
- **Voice Coil Cooling:** Airflow generated by cone movement helps cool the 1-1/2 inch voice coil, enhancing reliability during extended use.



Image: Front view of the JBL Stage 122D 12-inch subwoofer, showcasing the polypropylene cone and JBL logo.



Image: Close-up view of the subwoofer cone, highlighting the textured surface and the orange JBL logo at the center.

SETUP AND INSTALLATION

Enclosure Selection

The JBL Stage 122D is designed to perform well in both sealed and ported enclosures. The choice of enclosure will affect the subwoofer's sound characteristics:

- **Sealed Enclosures:** Typically provide tighter, more accurate bass response, suitable for musical detail.
- **Ported Enclosures:** Generally produce louder, deeper bass, often preferred for impact and SPL.

Consult your amplifier's specifications and recommended enclosure volumes for optimal performance. Ensure the enclosure is robust and properly sealed to prevent air leaks.

Wiring Configurations (Dual 4-ohm Voice Coils)

The dual 4-ohm voice coils offer flexibility in wiring to achieve different impedance loads for your amplifier. Always verify your amplifier's stability at the chosen impedance.

- **2-ohm Load (Parallel Wiring):** Connect the positive terminals of both voice coils together, and the negative terminals of both voice coils together. Then connect the combined positive to the amplifier's positive output and the combined negative to the amplifier's negative output. This configuration provides maximum power output from most stable amplifiers.
- **8-ohm Load (Series Wiring):** Connect the positive terminal of one voice coil to the negative terminal of the other voice coil. Then connect the remaining positive terminal to the amplifier's positive output and the remaining negative terminal to the amplifier's negative output. This configuration results in a higher impedance, drawing less power but potentially offering more control.

Note: Always refer to your amplifier's manual for compatible impedance loads and wiring recommendations.



Image: Rear view of the JBL Stage 122D subwoofer, displaying the speaker terminals for wiring connections.

OPERATING INSTRUCTIONS

Once installed, proper operation involves matching the subwoofer's output with the rest of your audio system.

- **Amplifier Gain Setting:** Adjust the amplifier's gain control to match the output voltage of your head unit. Avoid setting the gain too high, as this can lead to distortion and potential damage to the subwoofer.
- **Crossover Settings:** Use a low-pass filter (LPF) on your amplifier or head unit to send only low frequencies to the subwoofer. A common starting point is between 80 Hz and 100 Hz, but this may vary based on your vehicle and other speakers.
- **Subsonic Filter:** If your amplifier has a subsonic filter, enable it and set it slightly below your enclosure's tuning frequency (for ported enclosures) or around 25-30 Hz (for sealed enclosures) to protect the subwoofer from playing frequencies too low for its design.
- **Phase Control:** Experiment with the phase switch (0° or 180°) on your amplifier to find the setting that provides the most cohesive bass response with your front speakers.

MAINTENANCE

The JBL Stage 122D subwoofer requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the cone and surround. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the subwoofer for any signs of damage to the cone, surround, or wiring connections. Ensure all mounting screws are secure.
- **Environmental Protection:** Protect the subwoofer from extreme temperatures, direct sunlight, and moisture.

TROUBLESHOOTING

If you experience issues with your JBL Stage 122D subwoofer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound	Amplifier not powered on.	Check amplifier power, remote turn-on, and ground connections.
	Loose or incorrect wiring.	Verify all speaker and RCA connections.
	Blown fuse in amplifier or power wire.	Inspect and replace any blown fuses.
	Head unit output issues.	Test head unit with another audio source or component.
Distorted Sound	Amplifier gain set too high.	Reduce amplifier gain.
	Crossover frequency set incorrectly.	Adjust LPF to an appropriate frequency (e.g., 80-100 Hz).
	Subwoofer over-driven.	Lower volume levels.
	Poor enclosure design or air leaks.	Inspect enclosure for integrity and proper sealing.
Weak Bass	Incorrect wiring impedance.	Verify wiring matches amplifier's optimal impedance.
	Phase mismatch.	Toggle phase switch (0°/180°).
	Insufficient amplifier power.	Ensure amplifier provides adequate power for the subwoofer.
	Enclosure volume too small or large.	Check enclosure specifications against subwoofer recommendations.

If the problem persists after attempting these solutions, contact JBL customer support or a qualified car audio technician.

SPECIFICATIONS

Feature	Detail
Model Name	JBLSUBST122DAM
Speaker Type	Woofer
Recommended Uses	Car Audio

Feature	Detail
Subwoofer Diameter	12 Inches
Impedance	Dual 4 Ohm
Speaker Maximum Output Power	1000 Watts (Peak)
RMS Power Handling	250 Watts (RMS)
Product Dimensions	12"D x 12"W x 5.94"H
Item Weight	9.02 pounds (4.1 Kilograms)
Color	Black
Connectivity Technology	Wired
Manufacturer	JBL
UPC	050036381543

WARRANTY AND SUPPORT


The JBL Stage 122D subwoofer comes with a **1 Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.




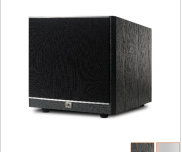

For warranty claims, technical assistance, or further support, please contact JBL customer service. Keep your proof of purchase for warranty validation.

For more information, visit the official JBL website or contact their support channels.

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Related Documents - JBLSUBST122DAM

<div><div>STAGE 122D</div><div><div><div>Subwoofer Owner's Manual</div><div>Wiring Diagram for Car Stereo</div><div>Wiring Diagram for Amplifier</div><div>Wiring Diagram for Subwoofer</div><div>Subwoofer Enclosure Dimensions</div><div>Subwoofer Enclosure Volume</div><div>Subwoofer Enclosure Porting</div><div>Subwoofer Enclosure Sealing</div><div>Subwoofer Enclosure Mounting</div><div>Subwoofer Enclosure Finishing</div><div>Subwoofer Enclosure Shipping</div><div>Subwoofer Enclosure Storage</div><div>Subwoofer Enclosure Maintenance</div><div>Subwoofer Enclosure Troubleshooting</div><div>Subwoofer Enclosure Warranty</div></div></div></div> <td><div>JBL Stage 122D 12-Inch Car Subwoofer Owner's Manual and Specifications</div><div>Comprehensive owner's manual for the JBL Stage 122D 12-inch car subwoofer, covering installation, enclosure types, technical specifications, and warranty information.</div></td>	<div>JBL Stage 122D 12-Inch Car Subwoofer Owner's Manual and Specifications</div> <div>Comprehensive owner's manual for the JBL Stage 122D 12-inch car subwoofer, covering installation, enclosure types, technical specifications, and warranty information.</div>
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 <p>MS SERIES MS-10SD2 MS-10SD4 MS-12SD2 MS-12SD4 MS-15SD2</p>	<p>JBL MS Series Dual Voice-Coil Subwoofer Owner's Manual</p> <p>This owner's manual provides detailed information on the JBL MS Series dual voice-coil subwoofers, including model numbers MS-10SD2, MS-10SD4, MS-12SD2, MS-12SD4, and MS-15SD2. It covers choosing the right enclosure (sealed vs. vented), connecting the subwoofer to an amplifier, technical specifications, Thiele-Small parameters, additional parameters, non-linear parameters, and mounting information. The manual also includes performance graphs such as response curves, distortion curves, and impedance/phase curves.</p>
 <p>STAGE 200P/220P</p> <p>Powered Subwoofer • Caisson de graves actif • Subwoofer alimenté • Largeur maximale du subwoofer • Subwoofer alimenté • 170 x 170 x 170 mm • 170 x 170 x 170 mm • 170 x 170 x 170 mm • Subwoofer alimenté • 170 x 170 x 170 mm • 170 x 170 x 170 mm • 170 x 170 x 170 mm • Subwoofer alimenté • 170 x 170 x 170 mm • 170 x 170 x 170 mm • 170 x 170 x 170 mm • Subwoofer alimenté • 170 x 170 x 170 mm</p>	<p>JBL Stage 200P/220P Powered Subwoofer: User Manual and Specifications</p> <p>Detailed user guide and technical specifications for the JBL Stage 200P and Stage 220P powered subwoofers, covering setup, operation, placement, and features.</p>
 <p>Stage 2 Architectural Loudspeakers</p> <p>Installation Guide 11-1000-0000 ©2019 JBL Corporation</p>	<p>JBL Stage 2 Architectural Loudspeakers Installation Guide</p> <p>Installation guide for JBL Stage 2 Series Architectural Loudspeakers, covering in-wall and in-ceiling models, safety precautions, installation steps, specifications, and accessories.</p>
 <p>JBL Arena SUB 100P 250mm (10-inch) Active Subwoofer</p> <p>Installation Guide 11-1000-0000 ©2019 JBL Corporation</p>	<p>JBL Arena SUB 100P 250mm (10-inch) Active Subwoofer - Product Overview</p> <p>Detailed product information for the JBL Arena SUB 100P active subwoofer, featuring a 250mm (10-inch) woofer, 100W RMS amplifier, dual rear-firing ports, and modern design. Includes specifications, features, and what's in the box.</p>
 <p>Stage 2 Architectural Loudspeakers</p> <p>Installation Guide 11-1000-0000 ©2019 JBL Corporation</p>	<p>JBL Stage 2 Architectural Loudspeakers Installation Guide</p> <p>Comprehensive installation guide for JBL Stage 2 Series architectural loudspeakers, covering in-wall and in-ceiling models, safety precautions, installation steps, and detailed specifications.</p>

Documents - JBL – JBLSUBST122DAM



[JBL 2021 Product Catalog: Portable, Home Audio, Headphones, and Car Audio](#)

Explore the 2021 product lineup from JBL, featuring portable speakers, home audio systems, headphones, and aftermarket car audio solutions, including key features and specifications.

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