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JBL STAGE1601C

JBL Stage1 601C 2-Way Car Audio Component Speaker System User Manual

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1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your JBL Stage1 601C 2-Way Car Audio Component Speaker System. The Stage1 601C system is designed to enhance your in-car audio experience by providing clear and dynamic sound reproduction. Please read these instructions carefully before proceeding with installation and use.



Image: Overview of the JBL Stage1 601C component speaker system, showing two woofers and two tweeters.

2. WHAT'S IN THE BOX

Verify that all components are present in the package before beginning installation:

- 2x Woofers (160mm / 6.5 inch)
- 2x Dome Tweeters
- 2x In-line Crossovers

- Mounting Screws
- 12x Mounting Clips
- 2x JBL Stickers



Image: The retail packaging for the JBL Stage1 601C system, illustrating the contents.

3. SETUP AND INSTALLATION

Professional installation is recommended for optimal performance and to avoid damage to your vehicle or the product. Always disconnect the vehicle's battery before starting any electrical work.

3.1. Component Identification

Familiarize yourself with the woofer and tweeter units.



Image: Front view of a single woofer.



Image: Front view of a single tweeter.

3.2. Mounting Dimensions

Refer to the technical drawing for precise dimensions for mounting the woofers and tweeters.

Stage1 601C

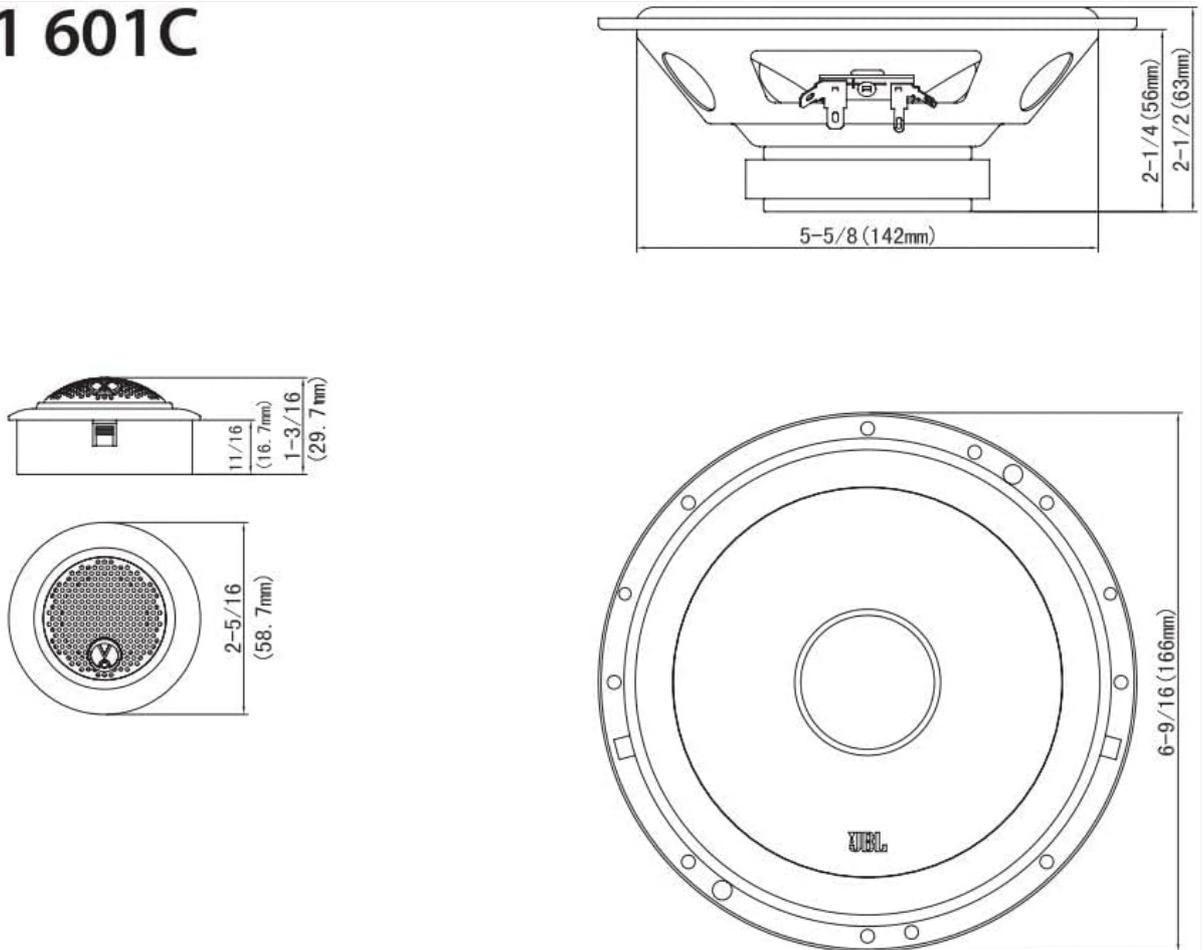


Image: Detailed technical drawing with measurements for both the woofer and tweeter components.

3.3. Wiring Connections

Connect the woofers and tweeters to the supplied in-line crossovers. Ensure correct polarity (positive to positive, negative to negative) to prevent phase issues. The crossovers manage the frequency distribution between the woofer and tweeter for optimal sound.

3.4. Mounting Procedure

1. **Preparation:** Choose appropriate mounting locations in your vehicle, typically factory speaker locations in doors or kick panels for woofers, and dashboard or A-pillars for tweeters. Ensure sufficient depth and clearance.
2. **Secure Mounting:** Use the provided screws and clips to securely fasten the woofers and tweeters. Avoid overtightening.

3. **Cable Routing:** Route all speaker wires safely, away from moving parts, sharp edges, and heat sources.

4. OPERATION

Once installed, the JBL Stage1 601C system operates in conjunction with your car's head unit or amplifier. No specific controls are present on the speakers themselves.

- **Audio Source:** Select your desired audio source (radio, CD, Bluetooth, etc.) on your car's head unit.
- **Volume Control:** Adjust the volume level via your head unit. Avoid excessively high volumes that cause distortion.
- **Sound Settings:** Utilize the equalizer, balance, and fader controls on your head unit to fine-tune the sound to your preference.

5. MAINTENANCE

The JBL Stage1 601C speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Gently wipe speaker grilles and surrounds with a soft, dry cloth to remove dust. Do not use harsh chemicals or abrasive cleaners.
- **Environmental Protection:** Avoid exposing the speakers to direct sunlight for extended periods, extreme temperatures, or excessive moisture.
- **Inspection:** Periodically check speaker connections for tightness and ensure no wires are frayed or damaged.

6. TROUBLESHOOTING

If you encounter issues with your JBL Stage1 601C system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	Loose wiring connection; Head unit off or incorrect source selected; Blown fuse in head unit/amplifier.	Check all speaker and power connections; Ensure head unit is on and correct source is active; Inspect and replace fuses if necessary.
Distorted or unclear sound	Volume too high; Improper equalizer settings; Loose speaker cone; Damaged speaker wire.	Reduce volume; Adjust equalizer settings; Inspect speaker cones for damage; Check speaker wiring for shorts or damage.
Sound only from one side	Balance setting incorrect; Wiring issue to one speaker.	Check head unit balance settings; Inspect wiring for the affected speaker.
Weak bass response	Incorrect polarity; Bass settings too low; Improper mounting.	Verify correct wiring polarity; Increase bass settings on head unit; Ensure speakers are securely mounted in an airtight enclosure if applicable.

If these steps do not resolve the issue, please contact JBL customer support or a qualified car audio technician.

7. SPECIFICATIONS

Key technical specifications for the JBL Stage1 601C component speaker system:

Feature	Detail
Speaker Type	2-Way Component System
Power Handling (RMS)	40 Watts
Power Handling (Peak)	200 Watts
Sensitivity (@ 2.83V)	90dB
Frequency Response	55Hz - 20kHz
Nominal Impedance	4 Ohms
Woofer Diameter	166 mm (6.5 inches)
Woofer Mounting Depth	56 mm
Tweeter Diameter	58.7 mm
Tweeter Mounting Depth	16.7 mm
Woofer Cone Material	Polypropylene
Tweeter Type	PEI Balanced Dome
Product Dimensions (L x W x H)	7 x 7 x 7 cm (individual speaker approx.)
Item Weight	1.3 Kilograms (total package approx.)



JBL Stage1 601C



6.5 Inch, Component Speaker System

40W	200W	55Hz - 20000Hz	90db	4 Ohm
RMS	MAX	FREQUENCY	SENSITIVITY	IMPEDANCE

Image: Visual representation of key specifications for the JBL Stage1 601C system.

8. WARRANTY AND SUPPORT

Your JBL Stage1 601C 2-Way Car Audio Component Speaker System is covered by a manufacturer's warranty.

- **Manufacturer Warranty:** This product typically comes with a 2-year manufacturer's warranty. Please refer to your purchase documentation for specific terms and conditions.
- **Customer Support:** For technical assistance, warranty claims, or further inquiries, please visit the official JBL website or contact their authorized customer service channels.

9. PRODUCT OVERVIEW VIDEO

Watch this video for a visual overview of the JBL Stage1 601C component speaker system.

Your browser does not support the video tag.

Video: A brief visual presentation of the JBL Stage1 601C speakers, showcasing the woofers and tweeters.



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