

OSD Audio SVC205

OSD Audio SVC205 In-Wall Volume Control User Manual

Model: SVC205 | Brand: OSD Audio

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your OSD Audio SVC205 In-Wall Volume Control. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The OSD Audio SVC205 is a high-quality in-wall volume control designed to manage audio levels for a pair of speakers in a multi-room audio system. It features a 12-step linear rotary knob for precise volume adjustment and an integrated on/off switch for complete audio control.

SAFETY INFORMATION

- Always disconnect power before installation or servicing.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not exceed the maximum power rating of 100 Watts per channel.
- This device is designed for indoor use only.
- Consult a qualified electrician if you are unsure about any installation steps.

PRODUCT FEATURES

- **Power Handling:** Rated at 100 Watts per channel with minimal bass roll-off.
- **Volume Control:** 12-step linear rotary-style knob for precise volume adjustment.
- **On/Off Switch:** Integrated switch for completely turning off audio.

- **Impedance Protection:** Assists in stabilizing the ohm load to prevent amplifier damage when multiple speakers are connected.
- **Adjustable Jumpers:** Front-mounted adjustable jumpers for easy impedance adjustment.
- **Design:** Décor plates designed for easy installation into a standard single gang box (2.9" depth).
- **Wiring:** Accepts up to 14 gauge wiring.

PACKAGE CONTENTS

- OSD Audio SVC205 In-Wall Volume Control Unit
- Matching Wall Plate
- Mounting Screws

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are not comfortable with electrical wiring, please consult a professional installer.

Tools Required:

- Screwdriver (Phillips and Flathead)
- Wire Strippers
- Electrical Tape (optional)
- Voltage Tester (recommended)

Wiring Diagram and Connections:

The SVC205 features screw terminals for secure wire connections. Ensure proper polarity (positive to positive, negative to negative) for all connections.

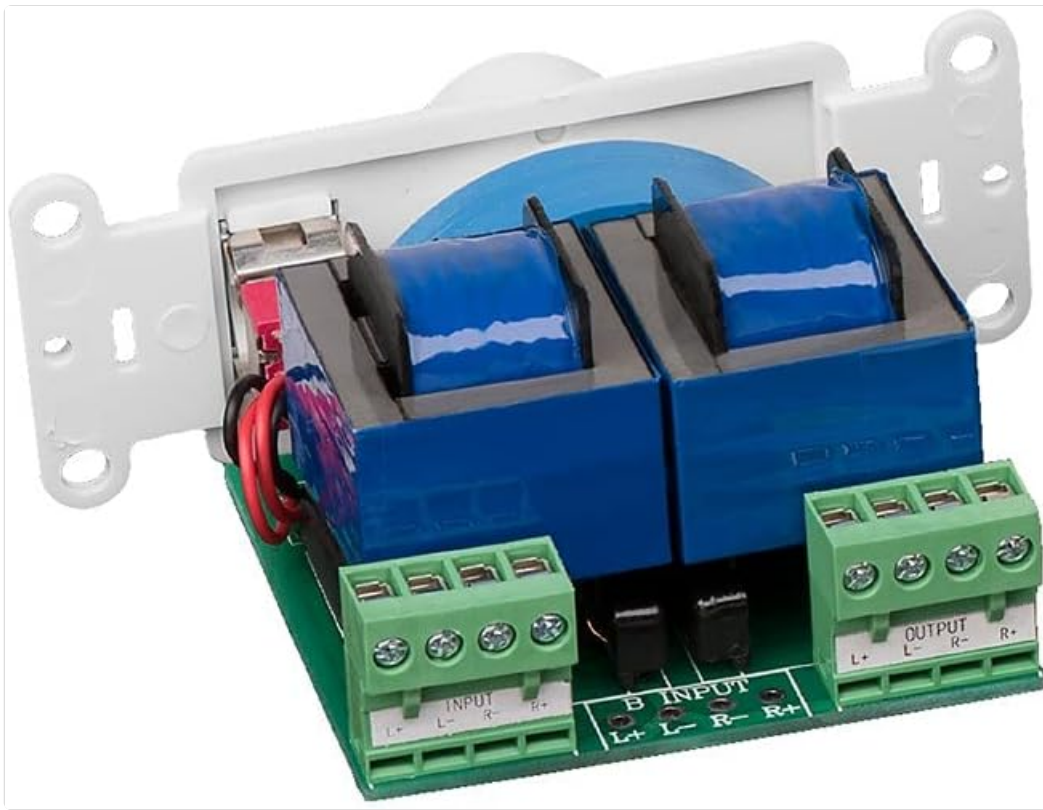


Image: Rear view of the SVC205 showing the input and output screw terminals for speaker wire connections. The green terminal blocks are clearly labeled for Left and Right channels, and positive (+) and negative (-) connections.

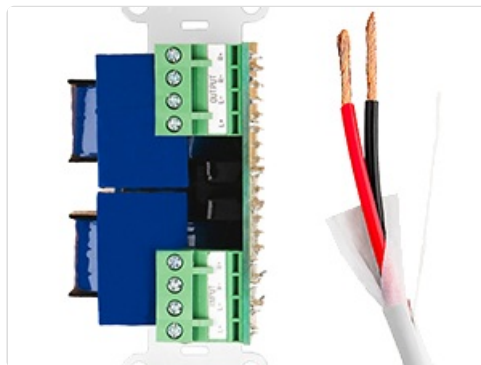


Image: A visual representation of speaker wire (red and black) being connected to the input terminals of the SVC205 volume control. This illustrates the type of wiring accepted by the unit.

1. **Turn Off Power:** Before beginning any wiring, ensure that the power to the audio system and the circuit where you are installing the volume control is completely turned off at the main breaker.
2. **Prepare Wires:** Strip approximately 1/2 inch of insulation from the ends of your speaker wires. The SVC205 accepts up to 14 gauge wiring.
3. **Connect Input Wires:** Connect the speaker wires from your amplifier or receiver to the "INPUT" terminals on the SVC205. Match the positive (+) and negative (-) terminals for both Left (L) and Right (R) channels.
4. **Connect Output Wires:** Connect the speaker wires leading to your speakers to the "OUTPUT" terminals on the SVC205. Again, ensure correct polarity for Left (L) and Right (R) channels.
5. **Adjust Impedance Jumpers (if applicable):** The SVC205 includes front-mounted adjustable jumpers for impedance matching. Refer to the diagram below for typical settings. Adjust these jumpers based on the total impedance of your connected speakers to prevent overheating and damage to your amplifier.

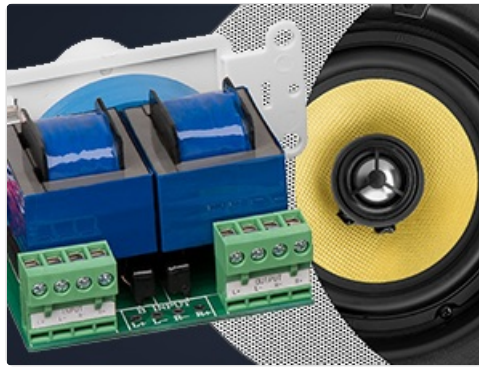


Image: A close-up diagram illustrating the location and configuration of the impedance protection jumpers on the SVC205 circuit board. These jumpers allow for adjustment to match the impedance of connected speakers.

6. **Mounting:** Carefully push the wired SVC205 unit into a standard single gang electrical box. The unit requires a minimum depth of 2.9 inches. Secure the unit to the electrical box using the provided mounting screws.
7. **Install Wall Plate:** Attach the matching wall plate over the installed volume control unit.
8. **Restore Power:** Once all connections are secure and the unit is mounted, restore power to the circuit.

OPERATING INSTRUCTIONS

The OSD Audio SVC205 is simple to operate:



Image: Front view of the OSD Audio SVC205 In-Wall Volume Control, showing the prominent rotary volume knob and the smaller on/off toggle switch located below it.

- **Power On/Off:** Use the small toggle switch located below the rotary knob to turn the audio on or off. Flipping the switch will completely mute or unmute the sound.
- **Volume Adjustment:** Rotate the large knob clockwise to increase the volume and counter-clockwise to decrease it. The 12-step linear design provides precise control over the audio level.



Image: A graphic illustrating the 12-step linear rotary action of the volume knob, indicating the range of precise volume control available.

MAINTENANCE

The OSD Audio SVC205 requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the surface of the wall plate and knob. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the wall plate for any signs of damage or loose connections. If any issues are found, disconnect power and address them promptly.
- **No User Serviceable Parts:** The internal components of the SVC205 are not user-serviceable. Do not attempt to open or repair the unit.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers.	<ul style="list-style-type: none">◦ Volume knob turned all the way down.◦ On/Off switch is in the "Off" position.◦ Loose or incorrect wiring connections.◦ Amplifier or source device is off or muted.	<ul style="list-style-type: none">◦ Rotate volume knob clockwise.◦ Flip the On/Off switch to the "On" position.◦ Check all input and output wiring connections for security and correct polarity.◦ Verify amplifier and source device are powered on and playing audio.
Distorted or low-quality sound.	<ul style="list-style-type: none">◦ Incorrect impedance jumper settings.◦ Speaker wires are too thin (high gauge number).◦ Overdriving the amplifier or speakers.	<ul style="list-style-type: none">◦ Review and adjust impedance jumpers according to your speaker setup.◦ Ensure speaker wire is at least 14 gauge for optimal performance.◦ Reduce the volume level from the source or amplifier.
Unit does not fit in electrical box.	<ul style="list-style-type: none">◦ Electrical box is not deep enough.◦ Excessive wiring inside the box.	<ul style="list-style-type: none">◦ Ensure the electrical box has a minimum depth of 2.9 inches.◦ Carefully fold and arrange wires to maximize space within the box.

SPECIFICATIONS

Model Name	SVC205
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Power Handling	100 Watts per channel (300 Watts total)
Volume Control Type	12-step linear rotary
Impedance Protection	Yes, with adjustable jumpers
Wiring Compatibility	Up to 14 gauge
Mounting Type	In-Wall (fits standard single gang box)
Minimum Box Depth	2.9 inches
Color	White
Dimensions (Product)	6 x 3 x 3 inches (approximate)
Item Weight	0.01 ounces
Indoor/Outdoor Usage	Indoor

WARRANTY AND SUPPORT

OSD Audio products are designed for reliability and performance. For warranty information and technical support, please visit the official OSD Audio website or contact their customer service department.

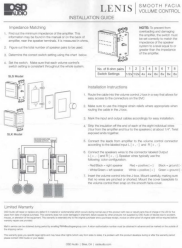
Manufacturer: OSD Audio

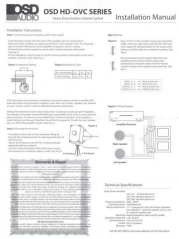


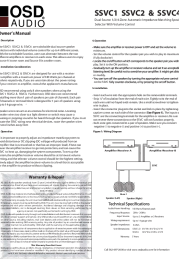

Website: www.osdaudio.com

For further assistance, refer to the contact information provided on the manufacturer's website.

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Related Documents - SVC205

	<p>OSD Audio LENIS Smooth Facia Volume Control Installation and Technical Guide</p> <p>Comprehensive guide to OSD Audio LENIS Smooth Facia Volume Controls, covering impedance matching, installation, wiring, amplifier compatibility, and product specifications. Learn how to optimize your audio system with detailed instructions and technical data for OSD Audio products.</p>
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	<p>OSD HD-OVC Series Outdoor Volume Control Installation Manual</p> <p>Comprehensive installation guide for OSD HD-OVC Series Heavy Duty Outdoor Volume Controls. Covers impedance matching, mounting, wiring, warranty information, and technical specifications for OSD audio products.</p>
	<p>OSD SSV6C6D 6-Zone Stereo Speaker Selector User Manual</p> <p>User manual for the OSD SSV6C6D, a 6-zone stereo speaker selector with dual source operation, internal volume controls, and adjustable impedance matching. Learn about installation, operation, safety precautions, and hookup.</p>
	<p>OSD Audio C1070V/C1090VK Series 70/25 Volt 8" Commercial Ceiling Speakers with Transformer</p> <p>Detailed information on OSD Audio's C1070V and C1090VK series 8-inch commercial ceiling speakers, featuring dual 70/25V transformers, 10W RMS power, and various tap settings. Includes specifications, wiring color codes, and typical assembly instructions.</p>
	<p>OSD Audio SSV1, SSV2, SSV4 Dual Source Speaker Selector Owner's Manual</p> <p>Owner's manual for OSD Audio SSV1, SSV2, and SSV4 dual source speaker selectors. Includes descriptions, installation, operation, warranty, and technical specifications for these audio devices.</p>
	<p>OSD Nero ARC Pendant Speakers Install Guide</p> <p>Installation guide for OSD Nero ARC 4/6/8/SUB 70V/100V/8 Ohm pendant speakers, covering preparation, hanging, setup, operation, specifications, troubleshooting, and warranty information.</p>