

Monoprice 109995

Monoprice 4-Channel Speaker Selector (Model 109995) User Manual

Distribute Audio to Multiple Speaker Zones

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1. PRODUCT OVERVIEW

The Monoprice 4-Channel Speaker Selector allows you to connect a single stereo amplifier or receiver to up to four pairs of stereo speakers. This device enables you to distribute audio signals to different "zones" within your home, providing flexibility in your home audio setup. It includes an optional impedance protection circuit to maintain a stable load for your amplifier, regardless of the number of speakers in use.

2. IMPORTANT SAFETY INFORMATION

- Read these instructions carefully before use.
- Keep this manual for future reference.
- Do not expose this device to water or moisture.
- Ensure all connections are secure before powering on your audio system.
- Do not exceed the maximum power rating of 140 watts per channel (without protection) or 70 watts per channel (with protection).
- Always disconnect power from your amplifier/receiver before making or changing any speaker connections.
- Do not attempt to open or service the unit. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Please ensure all items are present upon unpacking:

- 1x Monoprice 4-Channel Speaker Selector Unit
- 1x User Manual (this document)



Figure 1: Packaging box for the Monoprice 4-Channel Speaker Selector. The box displays the product name and an image of the selector unit.

4. PRODUCT FEATURES

- Connects one stereo amplifier/receiver to up to four pairs of stereo speakers.
- Supports up to 70 watts per channel with impedance protection enabled.
- Supports up to 140 watts per channel without impedance protection.
- Optional impedance protection circuit ensures a stable load for your amplifier.
- Individual on/off buttons for each speaker zone.
- Spring-loaded push terminals for easy speaker wire connection.

5. SETUP AND INSTALLATION

Follow these steps to connect your Monoprice 4-Channel Speaker Selector to your audio system.

5.1 Identify Connections



Figure 2: Rear panel of the speaker selector. Note the "L INPUTS R" terminals on the left for amplifier connection and "OUTPUTS" terminals (1-4) for speaker connections.

The rear panel of the speaker selector features one set of stereo inputs labeled "L INPUTS R" for connecting your amplifier or receiver, and four sets of stereo outputs labeled "OUTPUTS 1" through "OUTPUTS 4" for connecting your speaker pairs.

5.2 Wiring Instructions

1. **Power Off:** Ensure your amplifier/receiver is turned off and unplugged from the power outlet before making any connections.
2. **Prepare Speaker Wires:** Strip approximately 1/2 inch (1.25 cm) of insulation from the ends of all speaker wires. Twist the bare wire strands tightly.
3. **Connect Amplifier to Inputs:**
 - Connect the **Left (+)** output terminal of your amplifier to the **Left (+)** input terminal of the speaker selector (under "L INPUTS R").
 - Connect the **Left (-)** output terminal of your amplifier to the **Left (-)** input terminal of the speaker selector.
 - Connect the **Right (+)** output terminal of your amplifier to the **Right (+)** input terminal of the speaker selector.

- Connect the **Right (-)** output terminal of your amplifier to the **Right (-)** input terminal of the speaker selector.

Ensure correct polarity (+ to + and - to -) for optimal sound quality.

4. Connect Speakers to Outputs: For each pair of speakers (Zone 1, 2, 3, or 4):

- Connect the **Left (+)** terminal of your speaker to the **Left (+)** output terminal for the desired zone on the speaker selector.
- Connect the **Left (-)** terminal of your speaker to the **Left (-)** output terminal for the desired zone on the speaker selector.
- Connect the **Right (+)** terminal of your speaker to the **Right (+)** output terminal for the desired zone on the speaker selector.
- Connect the **Right (-)** terminal of your speaker to the **Right (-)** output terminal for the desired zone on the speaker selector.

Maintain consistent polarity for all speaker connections.

5. Impedance Protection Switch: Locate the impedance protection switch (often on the rear or bottom of the unit).

- **ON:** Activates the protection circuit. Recommended for amplifiers with minimum impedance ratings below 8 ohms, or when connecting multiple pairs of speakers simultaneously to prevent amplifier overload. This limits power handling to 70W per channel.
- **OFF:** Disables the protection circuit. Allows for higher power handling (up to 140W per channel) but requires careful consideration of your amplifier's minimum impedance rating and the total impedance of connected speakers. Consult your amplifier's manual.

6. Placement: Place the speaker selector in a well-ventilated area, away from heat sources and direct sunlight.



Figure 3: Angled view of the speaker selector, highlighting the front panel with individual speaker zone selection buttons and the rear input/output terminals.

6. OPERATING INSTRUCTIONS

Once all connections are made and verified, you can begin using your speaker selector.

- 1. Power On:** Plug in and turn on your amplifier/receiver.
- 2. Select Speaker Zones:** Use the individual push-buttons on the front panel of the speaker selector to turn on or off each pair of connected speakers (Zone 1, 2, 3, or 4).
 - Pressing a button will engage that speaker zone.
 - Pressing it again will disengage the zone.
 - You can select one, multiple, or all speaker zones simultaneously, depending on your listening preference and amplifier capabilities.
- 3. Adjust Volume:** Control the overall volume using your amplifier/receiver's volume control.

Note on Impedance Protection: If the impedance protection circuit is enabled, you can safely operate multiple pairs of speakers without concern for amplifier overload. If it is disabled, be mindful of your amplifier's minimum impedance rating when engaging multiple speaker pairs. Operating an amplifier below its minimum impedance rating can cause damage.

7. MAINTENANCE

The Monoprice 4-Channel Speaker Selector requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Ensure the ventilation slots on the unit are not blocked to prevent overheating.
- **Connections:** Periodically check all speaker wire connections to ensure they remain secure.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers.	Amplifier/receiver not powered on. Incorrect speaker zone selected on selector. Loose or incorrect speaker wire connections. Amplifier input not selected correctly.	Ensure amplifier/receiver is on. Press the corresponding button on the speaker selector for the desired zone. Check all speaker wire connections at both the selector and speakers for proper polarity and tightness. Verify the correct audio input is selected on your amplifier/receiver.
Sound is distorted or weak.	Incorrect polarity in speaker wiring. Amplifier overloaded (if impedance protection is off). Damaged speaker wire.	Double-check all speaker wire polarities (+ to + and - to -). If multiple speakers are on and sound is distorted, try enabling impedance protection or reducing the number of active speaker zones. Inspect speaker wires for cuts or fraying. Replace if necessary.
Only one channel (left or right) has sound.	Loose connection for the silent channel. Faulty speaker or speaker wire.	Check the connections for the silent channel at both the amplifier, selector, and speaker. Test with a different speaker or speaker wire to isolate the issue.

9. SPECIFICATIONS

Model	109995
Channels	4 Stereo Channels
Power Handling (Protection ON)	Up to 70 Watts per Channel
Power Handling (Protection OFF)	Up to 140 Watts per Channel
Impedance Protection	Selectable ON/OFF
Connections	Spring-loaded push terminals
Color	Black

10. WARRANTY AND CUSTOMER SUPPORT

Monoprice stands behind its products. For warranty information, technical support, or customer service inquiries, please visit the official Monoprice website or contact their customer support team directly. Please have your product model number (109995) and purchase information ready when contacting support.

Monoprice Official Website: www.monoprice.com

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