

Monoprice 106816

Monoprice Caliber Series 8-Inch 3-Way Fiber In-Wall Speakers Instruction Manual

Model: 106816

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Monoprice Caliber Series 8-Inch 3-Way Fiber In-Wall Speakers. These speakers are designed to deliver high-quality audio performance with a discreet, in-wall installation. Featuring Kevlar woven cone drivers for robust bass and mid-range, and a titanium silk dome tweeter for clear highs, these speakers are suitable for various audio setups, from two-channel listening to immersive home theater systems.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- Monoprice Caliber Series 8-Inch 3-Way Fiber In-Wall Speakers (2 units)
- Removable and Paintable Grilles (2 units)
- Installation Template (1 unit)

3. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating these speakers. Failure to do so may result in injury or damage to the equipment.

- **Power:** Ensure all audio equipment is turned off and unplugged from the power outlet before making any connections.
- **Wiring:** Use appropriate gauge speaker wire for your installation. Incorrect wiring can lead to poor performance or damage.
- **Installation:** Exercise caution when cutting into walls. Be aware of electrical wiring, plumbing, and other obstructions. Consult a professional if you are unsure about any aspect of the installation.
- **Weight:** These speakers have a significant weight. Ensure the mounting surface can adequately support them.
- **Ventilation:** Do not obstruct the airflow around the speakers.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance and speaker longevity. Follow these steps carefully.

4.1 Choosing a Location

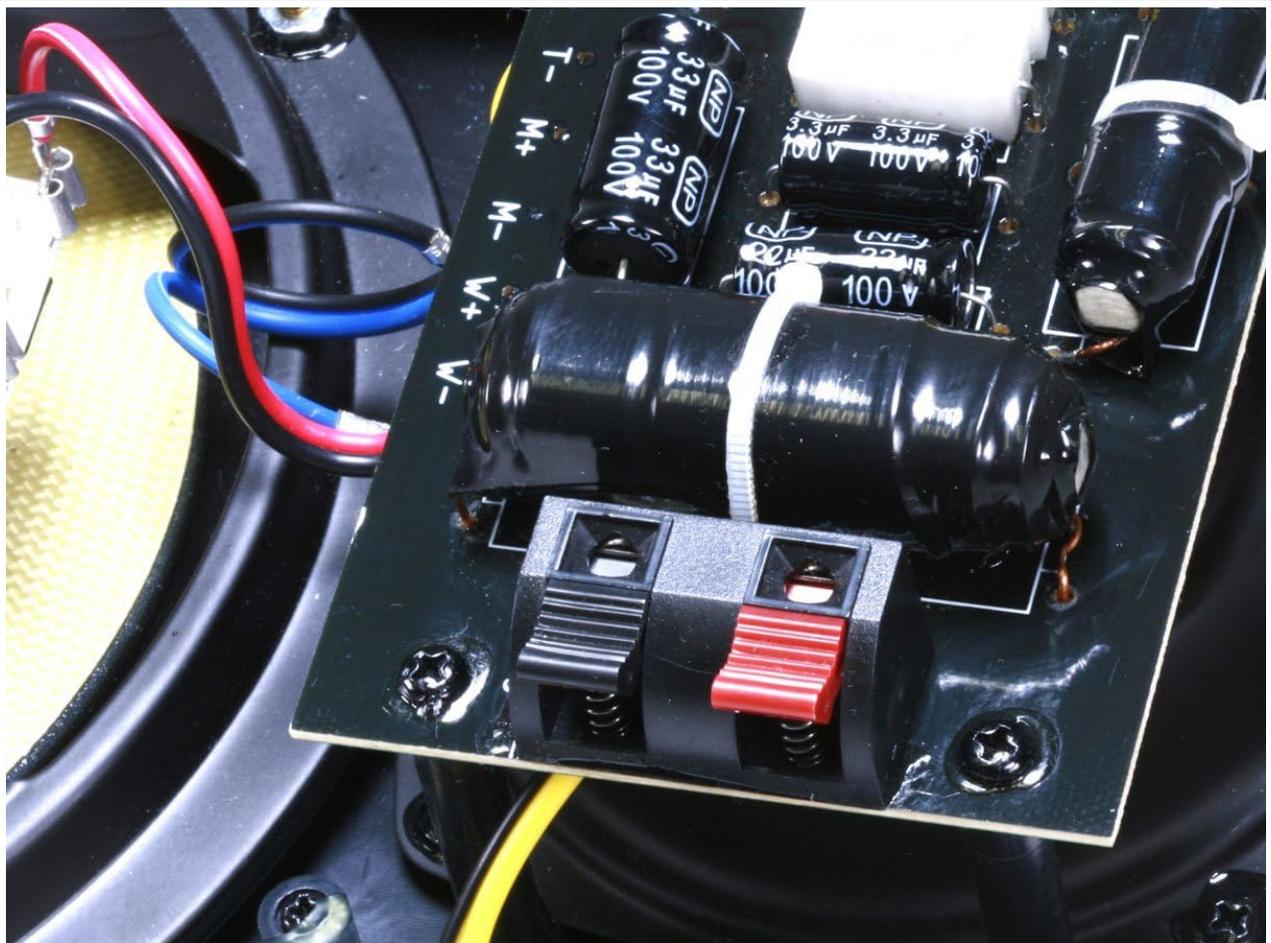
Select a location in your wall that is free from obstructions (studs, electrical wires, plumbing). For stereo sound, position speakers equidistant from the primary listening area. For home theater, refer to your receiver's manual for recommended speaker placement.

4.2 Preparing the Wall

1. Use the provided installation template to mark the cut-out area on your wall.
2. Carefully cut along the marked line using a drywall saw or appropriate tool. Ensure the opening is clean and precise.
3. Run speaker wires from your amplifier/receiver to the cut-out opening. Leave enough slack for easy connection.

4.3 Speaker Wiring

Before connecting, ensure your amplifier is off. Strip approximately 1/2 inch (12mm) of insulation from the ends of your speaker wires.



A close-up of the spring-loaded speaker wire terminals (red for positive, black for negative) for connecting to an amplifier.

1. Press down on the red terminal tab on the speaker and insert the positive (+) wire (typically red or marked). Release the tab to secure the wire.
2. Press down on the black terminal tab and insert the negative (-) wire (typically black or unmarked).

Release the tab to secure the wire.

3. Connect the other end of the wires to the corresponding positive and negative terminals on your amplifier/receiver.

4.4 Mounting the Speaker



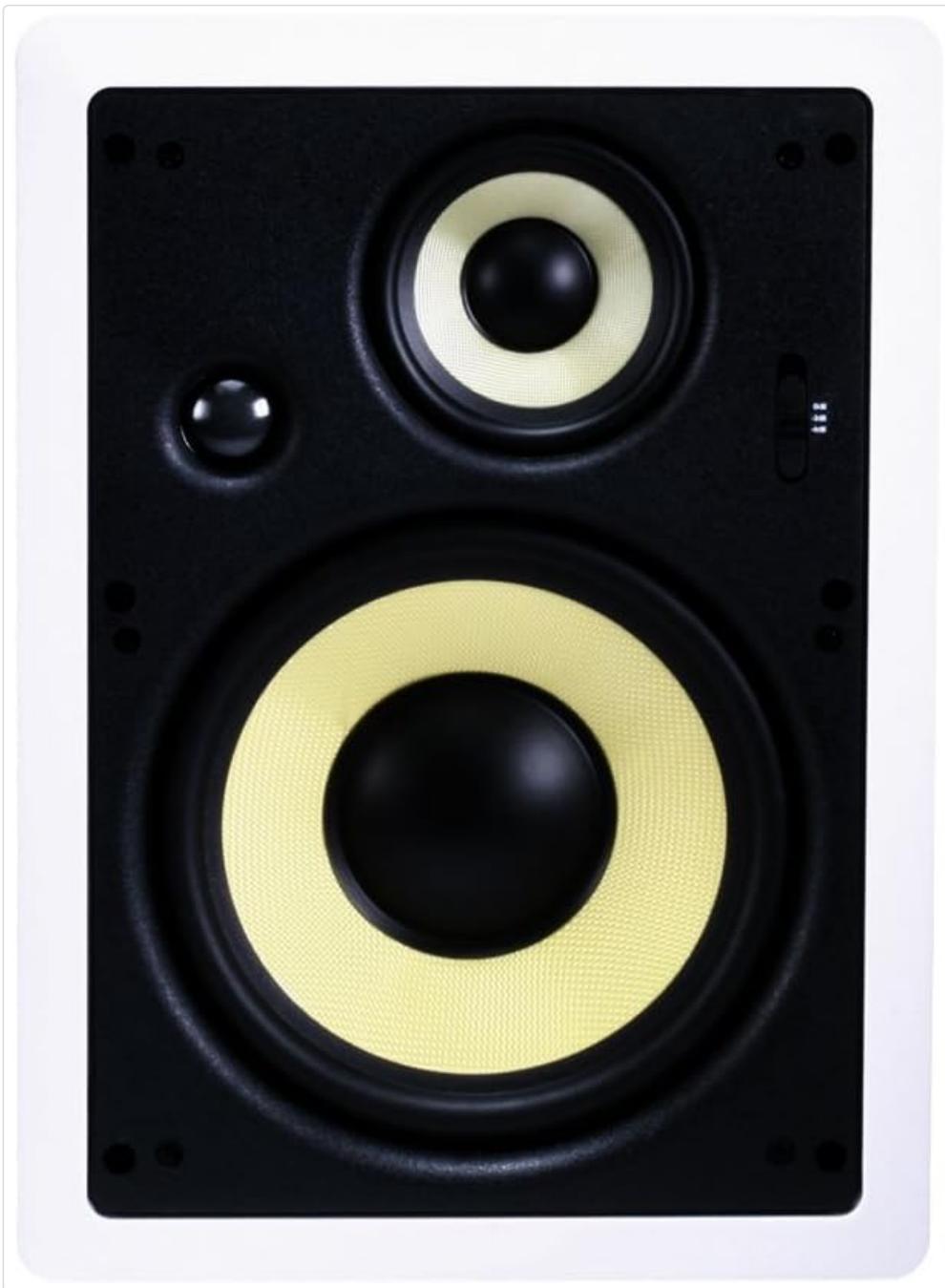
The rear of the Monoprice in-wall speaker, displaying the crossover network, wiring, and the four rotating clamps used for securing the speaker to the wall.

1. Ensure all four mounting clamps on the speaker are rotated inward (vertical) to allow the speaker to fit into the wall opening.
2. Carefully insert the speaker into the cut-out opening.
3. Using a screwdriver, tighten the screws located on the front baffle of the speaker. As you tighten, the mounting clamps will rotate outward and secure the speaker firmly against the drywall. Do not overtighten.

4.5 Attaching the Grille



Front view of the Monoprice Caliber Series 8-inch in-wall speaker with its protective white grille in place.



The Monoprice Caliber Series 8-inch in-wall speaker with the grille removed, revealing the 8-inch Kevlar woofer, 3-inch Kevlar midbass, and 1-inch silk dome tweeter. The speaker frame is white.

The metal grille is paintable to match your wall color. Once the speaker is mounted, align the grille with the speaker frame and gently press it into place until it sits flush.

5. OPERATING INSTRUCTIONS

Once installed and connected, your speakers are ready for use. Turn on your amplifier/receiver and select your audio source.

5.1 High-Frequency Attenuator



A detailed view of the 1-inch silk dome tweeter and the high-frequency attenuator switch, which allows for adjustment of treble output (-3dB, -6dB, or 0dB).

These speakers feature a built-in high-frequency attenuator switch, typically located near the tweeter. This switch allows you to adjust the treble output to suit your room acoustics and personal preference. The available settings are usually 0dB (flat), -3dB, and -6dB. Experiment with these settings to find the optimal sound balance for your listening environment.

6. MAINTENANCE

To ensure the longevity and performance of your speakers, follow these simple maintenance guidelines:

- **Cleaning:** Dust the grilles and speaker frames regularly with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but avoid excessive moisture.
- **Grille Painting:** If you choose to paint the grilles, use a thin coat of spray paint to avoid clogging the perforations, which could affect sound quality. Allow the paint to dry completely before reattaching.
- **Inspection:** Periodically check the mounting screws to ensure they remain tight.

7. TROUBLESHOOTING

If you encounter issues with your speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring; Amplifier off or input not selected; Speaker damaged	Check all speaker wire connections at both the speaker and amplifier. Ensure amplifier is on and correct input is selected. Test with another speaker if available.
Distorted sound	Overdriven amplifier; Loose connections; Damaged speaker component	Reduce amplifier volume. Check all wiring connections. Inspect speaker for visible damage.
Uneven sound balance	High-frequency attenuator setting; Room acoustics; Speaker placement	Adjust the high-frequency attenuator switch. Consider speaker placement relative to listening area.

If the problem persists after trying these solutions, please contact Monoprice Customer Support.

8. SPECIFICATIONS

Brand	Monoprice
Model Number	106816
Speaker Type	In-Wall, 3-Way
Woofer	8-inch Kevlar Woven Cone with Rubber Surround
Midbass	3-inch Kevlar Woven Cone with Rubber Surround
Tweeter	1-inch Silk Membrane Dome
Frequency Response	50 Hz ~ 20 kHz
Impedance	8 Ohms
Power Handling Capacity	100 watts Nominal, 200 watts Maximum
Sensitivity	90dB ±2dB (1.0m/2.83V)
Crossover	12dB per Octave (with -3dB, -6dB Switch)
Cut-Out Dimensions (H x W)	12.8" x 8.7" (324 x 222 mm)
Overall Dimensions (H x W x D)	14.1" x 10.0" x 3.9" (357 x 255 x 100 mm)
Mounting Type	Wall Mount
Connectivity Technology	Wired
Number of Items	2 (Pair)
Item Weight	17.6 Pounds (for the pair)

9. WARRANTY AND SUPPORT

9.1 Warranty Information

These Monoprice Caliber Series In-Wall Speakers come with a 1-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation provided with your product or visit the Monoprice website.

9.2 Return Policy

The product is eligible for a 30-day return/replacement policy from the seller (Amazon). Please refer to Amazon's return policy for detailed instructions and eligibility.

9.3 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Monoprice Customer Support through their official website or the contact information provided with your purchase. Have your model number (106816) and purchase details ready when contacting support.