

Infinite Baffle Retro 5 & Retro 9 Speakers

Thank you for selecting Posh high-performance loudspeakers. Posh has gained an enviable track record providing professionals with audiophile-quality speakers for commercial and residential installations. Now you're about to experience the same, rich sound.

NOTE: SP-5 and SP-9 drivers are available with transformer attached for 70V applications.

Tools Needed

These instructions are for installing Posh Infinite Baffle Retro 5 or Retro 9 speakers into conventional gypsum drywall "wallboard" such as that found in most residential ceilings and walls. The process is extremely easy and requires a minimum of tools.

- **PENCIL** for marking around the template
- **UTILITY KNIFE** or hole saw for cutting speaker holes
- **CRIMPING TOOL** or **PLIERS** for attaching connectors to speaker wires
- **WIRE STRIPPER** for preparing speaker wires
- **PHILLIPS-TYPE SCREWDRIVER**
- **"STUD FINDER"** (optional)

Quick-Start Fast-Track "Express" Instructions

We urge you to read through this Installation Guide carefully. However, if you're an experienced home handy-person—or just impatient—here's the short version:

1. **Select speaker location, checking for wall stud or ceiling rafter position and location of electrical and plumbing conduits.**
2. **Mark cut-out hole outlines with included round or square cardboard template**
3. **Cut holes in wall or ceiling.**
4. **Install baffle assembly.**
5. **Run speaker wire and connect to speakers.**
6. **Secure speakers with included screws.**
7. **Press on the speaker grille covers.**

Step-by-Step Instructions

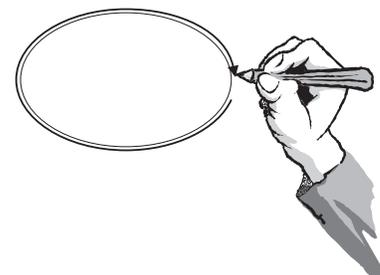
1. Determine where you want to install your Posh speakers. We have included some suggestions further on in this installation guide (see **SPEAKER POSITION SUGGESTIONS** on page 3) It's a good idea to locate the position of wall studs or ceiling rafters. Your cut-out holes should not be closer than 1/2" from a wall stud or rafter.

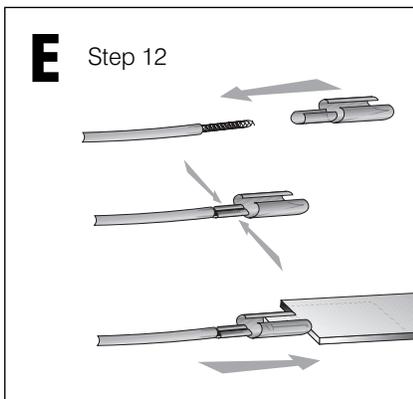
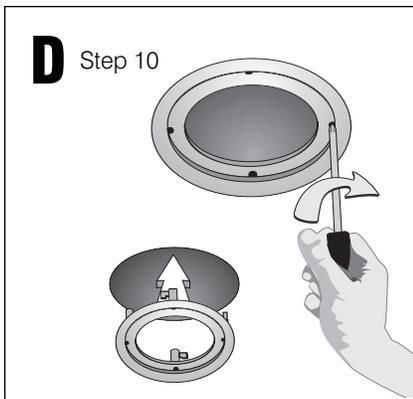
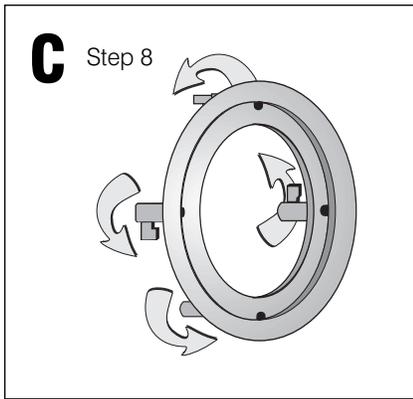
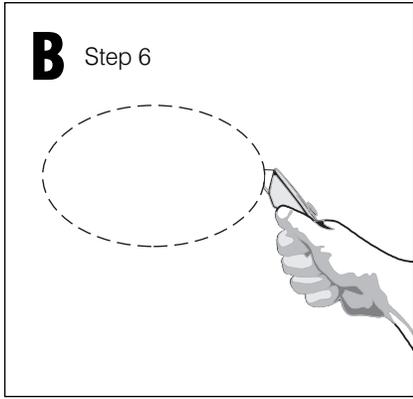
IMPORTANT WARNING: CUTTING INTO WALLS OR CEILINGS WITHOUT LOCATING ELECTRICAL WIRING OR PLUMBING PIPES CAN RESULT IN DANGER TO YOURSELF AND DAMAGE TO YOUR HOUSE. If you have any doubt that the space behind your proposed cut-out areas is not free of pipes and/or wiring, consult a professional contractor before proceeding.

NOTE: For purposes of these instructions, a round baffle is shown. Follow exactly the same procedure if using a square baffle.

2. Place mounting template (round or square) where you want your first hole.
3. With one hand, hold the template in place. With the other hand, use a pencil to trace the outline of the cutout onto the wall behind (see **DRAWING A**).
4. Remove the printed template.
5. Repeat steps 2, 3 and 4 to mark the cut-out hole for your second speaker. If you're installing your Posh Retro Series speakers in walls, we recommend that both speakers be at the same height (see **SPEAKER POSITION SUGGESTIONS ON PAGE 3** of this guide).
6. Cut through the drywall following your pencil outline (see **DRAWING B**, next page). In most cases, several successive cuts with a sharp utility knife should cut fully through the wall or ceiling surface. You may also make the holes with a small cut-out saw such as a **Rockeater™** or **Stanley Short Cut®**.

A Step 3





7. Remove the cut-out material from the holes.
8. Locate the plastic baffle assemblies packed with your Posh Retro Series speakers. Make sure that the small mounting tabs on the back of the collars are in the position shown in DRAWING C.
9. Press the Posh Retro Series plastic baffle assembly into each hole to test the fit. If it won't go in, enlarge the hole slightly.
10. When the baffle assembly fits into the hole, press it firmly against the wall surface and tighten the four integral mounting screws.
 - Use a Phillips-style screwdriver and turn the screws clockwise until they feel tight (see DRAWING D).
 - The mounting tabs on the back of the collar have rotated out to grip the inner side of the wallboard. Additional tightening snugs the tabs down tightly to the rear drywall surface. Don't overtighten the screws.
11. Prepare your speaker wire by removing 3/8" of insulation from the end of each conductor (see CONNECTION SUGGESTIONS on page 4). Twist the conductor's strands so that they are in a tight bundle, as shown here:

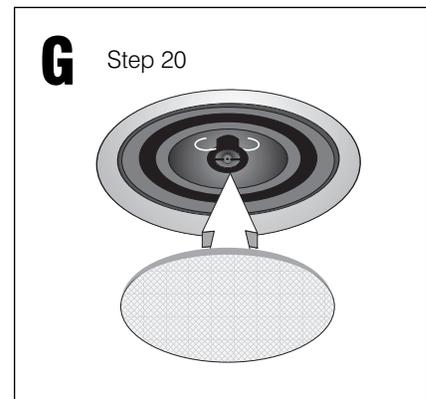
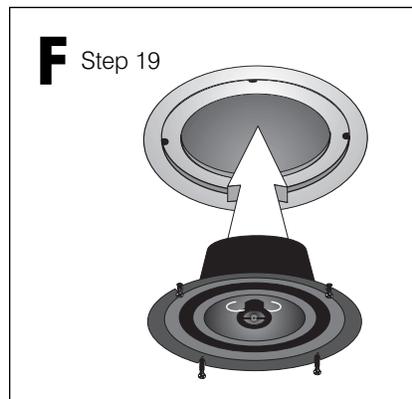
12. Locate the four crimp-on connectors included with your speakers (see DRAWING E).
 - Insert a conductor 3/16" into the round, hollow part of the connector.
 - Compress the round part of the connector with a crimping tool or pliers. If you don't have access to either of these tools, you can lightly tap the round part of each connector with a hammer to compress the connector so that it grips the wire.
 - Lightly pull on each connector to make sure that the wire is securely attached.

13. Route the speaker wire through your wall or ceiling and out through the center of each mounting collar.

14. Examine your speaker wire closely. Look for a difference in markings on the wire's two conductors.

Depending on the type of wire, one conductor may have a white strip or a series of grooves on it. If the wire has clear insulation, one side will be copper-colored and the other silver. One conductor of high-quality "audiophile" wire may actually be marked with a series of "+" marks. **Your objective is to be able to tell one conductor from the other.**

15. Locate the flat connector terminals on the back of each Posh Retro Series speaker. Note that one terminal is marked with a black dot and the other with a red dot.



16. Connect the speaker wires to the Posh Retro Series speaker terminals by sliding each crimp-on connector onto one of the flat terminals on the speaker (see DRAWING E).

IMPORTANT: On each speaker, connect the same conductor to the same speaker terminal. For example, if you're using speaker wire with one copper-colored conductor and one silver conductor, connect the copper conductors to the terminals marked by a RED dot on each Posh Retro Series speaker.

This was the reason for being able to tell the wire's two separate conductors apart. The key is to connect like conductors to like terminals. This maintains proper speaker phasing and optimizes bass output.

17. Tug lightly on the speaker wires to make sure that the crimp-on connector-to-speaker-terminal connection is secure.
18. Insert a connected speaker into the baffle assembly. Line up the four holes in the speaker's outer rim with the holes in the baffle.
19. Secure the speaker with the four Phillips-head screws provided. Do not overtighten (see DRAWING F).
20. Press on the protective speaker grille until it fits securely (see DRAWING G).
21. Make sure your stereo receiver or amplifier is turned OFF.
22. Connect the other ends of the speaker wires to the speaker terminals on the back of your stereo receiver or amplifier.

IMPORTANT: As with the speakers, connect the same individual conductor to the same speaker terminal on your amplifier. For example, if you're using speaker wire with one copper-colored conductor and one silver conductor, connect the copper conductors to the RED receiver/amplifier speaker terminals. Once again, the objective is to hook like conductors to like terminals to maintain proper speaker phasing and optimal bass.
23. Turn on your stereo receiver or amplifier.
 - Select a music source and make sure that the correct Speaker Outputs have been selected.
 - Slowly turn up the volume control on your stereo receiver or amplifier.

You should hear sound from both Posh Retro Series speakers.

TROUBLESHOOTING

- If you don't hear sound, first confirm that your stereo is actually putting out sound by connecting another set of speakers or switching the Speaker Output Selector.
- Next, check the speaker connections on the back of the stereo.
- Finally, remove the grille on the Posh Retro Series speakers, unscrew the speaker mounting screws and check that the speaker wires are securely connected.
- If all else fails, consult the dealer where you purchased your Posh speakers, or call us direct at 800-841-8501 Monday through Friday, 8:00 AM to 4:30 PM Pacific Time.

NOTE: Posh Retro 5 Series speakers are designed to handle a maximum of 100 watts. Retro 9 Series speakers are designed to handle a maximum of 150 watts. Exceeding these ratings for sustained periods can result in damage to your loudspeakers that is not covered in the Limited Warranty (not to mention damage to your ears). If you're not sure of your stereo receiver's maximum rated output, consult its Owner's Manual.

SPEAKER POSITION SUGGESTIONS

Posh Retro Series High Fidelity Loudspeakers have many applications. You may use them as your primary stereo speakers, as rear surround-sound sources, or for background music throughout your home.

If you're mounting Retro Series speakers in a wall for use as your primary stereo speakers:

- Mount them on the same wall.
- For best stereo separation, mount the speakers approximately 8 to 10 feet apart.
- Mount them slightly above the ear level of seated listeners for best treble fidelity.

When using Retro Series speakers as rear surround-sound sources, you can place them:

- In the rear walls behind your main seating area.
- In the side walls to the left and right of your main seating area.
- In the ceiling above and slightly behind the seating area.
- In any of these cases, make sure to maintain as much separation as possible between the two speakers. If you're mounting Retro Series speakers in a ceiling to play background music, you'll get the best results by positioning them over seating or work areas. Separate the speakers as much as possible for best stereo separation — for example, on opposite sides of a room.

For more detailed information on placement of rear speakers, consult the Owner's Manual of your surround-sound receiver; different types of surround-sound decoding may benefit from different placements.

Connection Suggestions

Wire type. Use multi-stranded speaker wire no thinner than 14 or 16 gauge. For best results—and especially for extremely long wire runs—we recommend high-quality speaker cable available from the dealer where you bought your Posh Retro Series speakers.

Wire length. Though your in-wall speaker mounting positions may be different from your stereo receiver, try to make the wire lengths the same for both speakers. Coil up excess wire inside a wall or ceiling if necessary.

Wire routing. When running speaker wire through walls, avoid direct contact with electrical wires that are already in place. Keeping your speaker cables at least

a foot from any wiring will reduce the possibility of audible humming caused by induction.

If you're not remodeling, you're faced with how to get the speaker wires inside the walls. A common method for "hiding" speaker wires in walls is to run them along the room's perimeter baseboards. (If your room is carpeted, it may be possible to actually shove the wire into the crack between the carpet and the bottom of the baseboard molding.) Punch a small hole in the drywall, close to the floor and directly below the speaker hole. Insert the speaker wire. Use an unbent coat hanger or other method to "fish" the wire up through the space inside the wall and out the mounting hole.

Posh Retro Series Speaker Limited Warranty

WARRANTY PERIOD: 5 (five) years

WHAT IS COVERED

This Warranty covers defects in materials and workmanship only. This Limited Warranty does not extend to: (1) cosmetic damage; (2) damage caused by shipment; (3) damage caused by accident, abuse, misuse or failure to install the Retro Series speakers in a manner as set forth in this Installation Guide; (4) failure resulting from use contrary to that set forth in this Installation Guide.

WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE

In the event that your Retro Series loudspeakers require service, first contact the Posh Speaker Systems dealer where you purchased the speakers. If they are unable to resolve your problem, call Posh Speaker Systems toll-free at 800-841-8501, Monday through Friday 8:00 AM to 4:30 PM Pacific Time, or fax us at 206-842-0494. You will receive instructions on how to return your speakers for warranty service.

Initial shipping costs may not be paid by Posh Speaker Systems at our discretion. However, return shipping will be prepaid if repairs are covered by the scope of this Warranty. **Do not send speakers to Posh for repair unless you have first contacted us via telephone or fax.**

Posh Speaker Systems Shipping Address

7685 NE Day Road West, Building C
Bainbridge Island, WA 98110

LIMITATIONS OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES FOR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE WARRANTY PERIOD UNLESS OTHERWISE PROVIDED BY STATE LAW.

EXCLUSION OF CERTAIN DAMAGES

IN NO EVENT SHALL POSH SPEAKER SYSTEMS., BE LIABLE FOR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES WHICH MAY RESULT FROM THE FAILURE OF THIS PRODUCT. IF YOUR POSH RETRO SERIES SPEAKERS PROVE DEFECTIVE IN MATERIAL OR WORKMANSHIP, THE LIABILITY OF POSH SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT, AT THE OPTION OF POSH, OF ANY DEFECTIVE PART.

STATE LAWS MAY DIFFER

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY MAY LAST, AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR DO NOT ALLOW CERTAIN LIMITATIONS SET FORTH IN THIS WARRANTY, SO THE ABOVE LIMITATIONS MAY NOT APPLY. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

OTHER IMPORTANT PROVISIONS

Posh speaker Systems, reserves the right to make changes in design and improvements in its products without the responsibility of installing such changes on products previously sold by Posh. We suggest that you attach your purchase receipt to this Warranty/Installation Guide and keep both documents in a safe place.

The preceding warranty is exclusive to the United States, its territories and possessions. Please see your authorized Posh dealer or distributor for the correct warranty information in your area or locale.

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Speaker Systems.

7865 NE Day Road West, Building C, Bainbridge Island, WA 98110
Phone: 800-841-8501 Fax 206-842-0494