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Polk Audio 65RT

Polk Audio 65-RT Vanishing In-Wall Speakers User Manual

Model: 65RT

INTRODUCTION

Thank you for choosing Polk Audio 65-RT Vanishing In-Wall Speakers. These speakers are designed to deliver high-quality audio performance while seamlessly integrating into your home environment. This manual provides essential information for proper installation, operation, and maintenance to ensure optimal performance and longevity of your speakers.

PRODUCT OVERVIEW

The Polk Audio 65-RT In-Wall Speakers are engineered for superior sound with a discreet profile. Featuring Polk's patented Power Port bass venting system, they deliver deep, efficient bass. The virtually-flush mounting and minimal-flange design ensure they blend into your wall, making them almost invisible. Equipped with a Dynamic Balance woofer and a silk dome tweeter, these speakers provide solid bass, detailed high-frequency response, and crisp, clear imaging. They are timbre-matched to Polk RTi speakers for seamless integration in mixed systems.

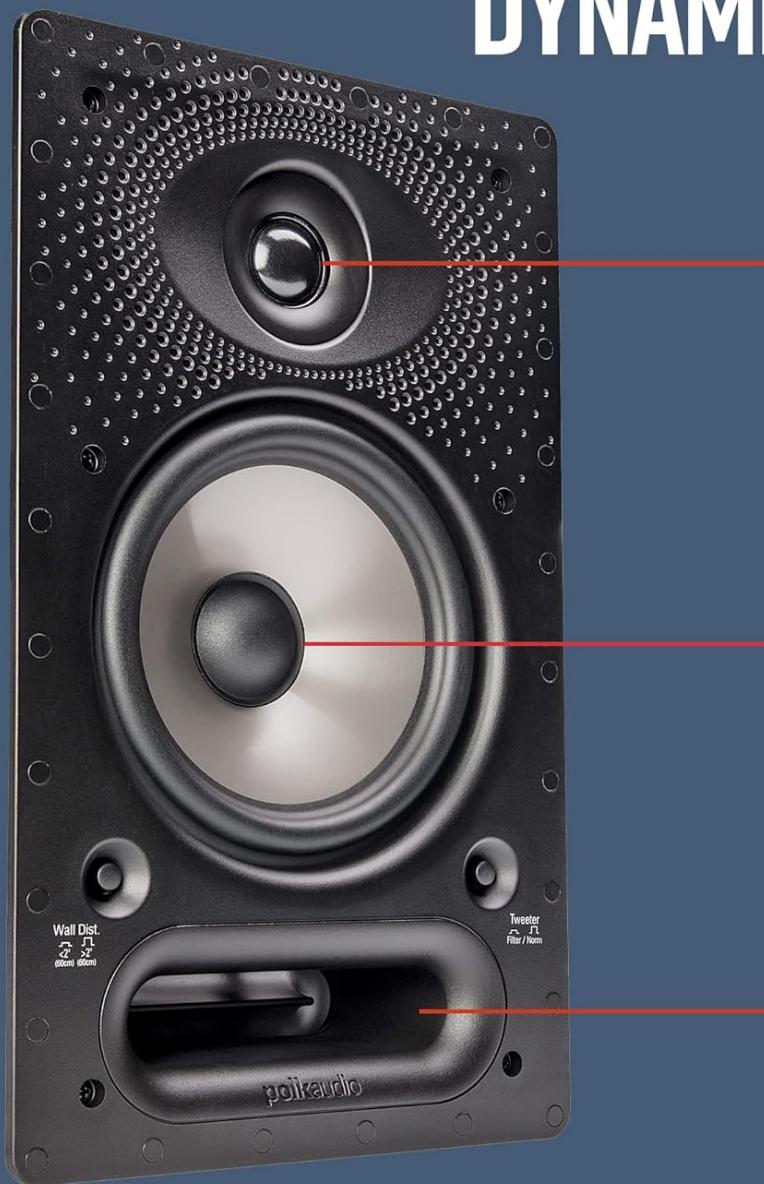


Image: Two Polk Audio 65-RT in-wall speakers, one with the grille on and one with the grille off, showcasing their design and the separate grilles.

FEATURES

- **Power Port Bass Venting System:** Eliminates turbulence for bigger, more efficient deep bass impact.
- **Dynamic Balance Woofer:** Provides powerful, impactful bass.
- **1" Silk Dome Tweeter:** Set in a 15-degree swivel housing for flexible placement and detailed high-frequency response.
- **Virtually-Flush Mounting:** Minimal-flange design for a nearly invisible look that blends seamlessly into your home.
- **Sheer-Grille™:** Wafer-thin grille with ultra-small perforations for dynamic, unimpeded sound.
- **Reflective Room Compensation:** Ensures seamless blending in systems combining traditional and built-in speakers.
- **Timbre-Matched:** Designed to blend seamlessly with other Polk RTi series speakers.
- **Easy One-Cut, Drop-In Installation:** Simplifies the installation process with Perfect Fit templates.

DYNAMIC BALANCE



1" Silk dome tweeter set in 15 degree swivel housing offers great placement flexibility

6-1/2" Dynamic Balance® woofer for powerful, impactful bass

Patented PowerPort for louder, deeper bass without distortion

Image: A detailed view of the Polk Audio 65-RT speaker highlighting its key components: the 1" silk dome tweeter, 6-1/2" Dynamic Balance woofer, and the patented PowerPort for enhanced bass.

FINE-TUNED INSTALLATION



Simple Setup
Secure, vibration-free efficiency
with Rotating Cam system



Sheer-Grille™
Wafer-thin grille with ultra-small perfs
for dynamic, unimpeded sound



Reflective Room Compensation
Insures seamless blending in systems
combining traditional & built-in speakers



Timbre-Matching
Patented design eliminates turbulence
and distortion, for bigger deeper bass

Image: An illustration detailing the fine-tuned installation features of the speaker, including the rotating cam system for simple setup, the Sheer-Grille™ for unimpeded sound, reflective room compensation, and timbre-matching technology.

SETUP AND INSTALLATION

Safety Precautions

- Always turn off power to the circuit before beginning installation.
- Ensure wiring complies with local electrical codes.
- Use appropriate safety gear (eye protection, gloves).
- Consult a professional installer if you are unsure about any steps.

Tools Required

- Pencil
- Drywall saw or utility knife

- Measuring tape
- Wire strippers
- Screwdriver (Phillips head)
- Drill (optional, for pilot holes)

Choosing a Location

Select a location in the wall that is free of studs, electrical wires, and plumbing. Use a stud finder to locate studs. For optimal sound, consider placement relative to listening area and other speakers in a home theater setup.

Installation Steps

1. Prepare the Opening:

Use the provided Perfect Fit template to trace the cutout dimensions on the wall. The cutout dimensions are approximately 12.75" Height x 7.25" Width. Ensure the template is level before tracing.



Image: A diagram illustrating the precise cutout dimensions (12 3/4" Tall x 7 1/4" Wide) and overall dimensions (14 3/8" Tall x 8 7/8" Wide x 3 1/2" Deep) for the Polk Audio 65-RT in-wall speaker, along with the grille dimensions.

Carefully cut along the traced line using a drywall saw or utility knife. Remove the cut-out section of the wall.

2. Run Speaker Wire:

Run high-quality speaker wire from your amplifier/receiver to the wall opening. Leave enough slack to comfortably connect to the speaker terminals.

3. Connect Speaker Wires:

Strip approximately 1/2 inch of insulation from the ends of the speaker wires. Connect the positive (+) wire (usually red or marked) from your amplifier to the red (+) terminal on the speaker, and the negative (-) wire (usually black or unmarked) to the black (-) terminal. Ensure a secure connection and no stray wire strands.



Image: The rear view of the Polk Audio 65-RT speaker, revealing the internal wiring, crossover components, and the speaker terminals for connection.

4. Mount the Speaker:

Carefully insert the speaker into the wall opening. The speaker features a rotating cam system for secure installation. Tighten the mounting screws (usually located on the front baffle) which will rotate the cams outwards to clamp the speaker firmly to the drywall. Do not overtighten.

5. Attach the Grille:

Once the speaker is securely mounted, attach the magnetic Sheer-Grille™ to the speaker baffle. The grille will snap into place.

OPERATING INSTRUCTIONS

After installation, connect your amplifier or receiver to the speaker wires. Ensure the amplifier is turned off before making connections. Once all connections are secure, you can power on your audio system and begin enjoying your Polk Audio 65-RT speakers. Adjust volume and audio settings on your amplifier as desired.

Tweeter Adjustment

The 1" silk dome tweeter can swivel up to 15 degrees, allowing you to direct high frequencies towards your primary listening area for optimized sound imaging. Gently pivot the tweeter to adjust its direction.

Room Compensation Switch

The speaker may include a room compensation switch (often labeled "Wall Dist." or "Tweeter Filter/Norm"). This switch allows you to adjust the speaker's response to compensate for room acoustics or placement near boundaries. Experiment with the settings to achieve the most balanced sound in your environment.



Image: A close-up view of the Polk Audio 65-RT speaker's front baffle, highlighting the adjustable tweeter and the "Wall Dist." and "Tweeter Filter/Norm" switches for acoustic adjustments.

MAINTENANCE

Polk Audio 65-RT speakers require minimal maintenance. Follow these guidelines to keep them in optimal condition:

- **Cleaning:** Gently wipe the grilles and speaker frame with a soft, dry cloth. Do not use harsh chemicals, cleaning sprays, or abrasive materials.
- **Grille Care:** If the grilles become dusty, you can carefully remove them and use a soft brush or vacuum cleaner with a brush attachment to clean them.

- **Avoid Moisture:** Do not expose the speakers to excessive moisture or liquids.
- **Temperature:** Avoid extreme temperatures or direct sunlight, which can degrade speaker components over time.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound	Loose speaker wire connections. Amplifier/receiver not powered on or set to incorrect input. Speaker wire short circuit.	Check and secure all speaker wire connections at both the speaker and amplifier. Ensure amplifier is on and correct input is selected. Inspect speaker wires for damage or exposed strands touching each other.
Distorted Sound	Amplifier clipping (too high volume). Incorrect impedance match. Damaged speaker wire.	Reduce amplifier volume. Ensure amplifier impedance matches speaker impedance (8 ohms). Inspect and replace damaged speaker wire.
Weak Bass	Incorrect wiring (out of phase). Room acoustics.	Verify positive (+) and negative (-) connections are consistent for all speakers. Adjust amplifier bass settings or consider adding a subwoofer.

SPECIFICATIONS

Feature	Detail
Model Name	65RT
Speaker Type	In-wall
Driver Complement	(1) 1" Silk Dome Tweeter, (1) 6.5" Dynamic Balance Mid/Woofer
Frequency Response	50Hz - 27000Hz
Impedance	8 ohms
Sensitivity	90 dB
Speaker Maximum Output Power	125 Watts
Product Dimensions (H x W x D)	14.38" x 8.88" x 3.5"
Cutout Dimensions (H x W)	12.75" x 7.25"
Item Weight	10 Pounds (per pair)
Material	Metal, Plastic
Color	White

Feature	Detail
Included Components	2 x Speaker
Connectivity Technology	Speaker Wire
UPC	783214557620

WARRANTY AND SUPPORT

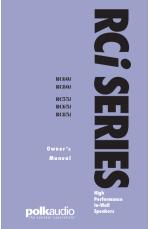
The Polk Audio 65-RT Vanishing In-Wall Speakers come with a **Full Warranty**. For specific terms and conditions of your warranty, please refer to the warranty card included with your product or visit the official Polk Audio website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Polk Audio customer service. You can find contact information on the official Polk Audio website or through your authorized dealer.

Online Resources: For additional information, FAQs, and product registration, please visit the [Polk Audio Store on Amazon](#) or the official Polk Audio website.

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Related Documents - 65RT

	<p>Polk Audio RCi Series In-Wall Speakers Owner's Manual and Installation Guide This document provides comprehensive instructions for Polk Audio RCi Series high-performance in-wall speakers, including models RC60i, RC80i, RC55i, RC65i, and RC85i. It covers placement options, tweeter adjustment, painting guidelines, detailed installation steps, safety precautions, technical specifications, and warranty information.</p>
	<p>Polk Audio MOMO MMC Series Component Speaker Systems Owner's Manual Owner's manual and installation guide for Polk Audio MOMO MMC5250 (5.25") and MMC6500 (6.5") component speaker systems, covering features, installation steps, specifications, and warranty.</p>
	<p>Polk Reserve Series Speakers: R100, R200 Bookshelf & R900 Height Module - Hi-Res Audio Explore the Polk Reserve Series, featuring the R100 and R200 bookshelf speakers and R900 height module. Experience exceptional sound, elegant design, and immersive 3D audio with Pinnacle tweeters, Turbine cones, and Polk X-Port technology. Hi-Res Audio certified.</p>

	<p>Polk Audio M10 M20 M Series Loudspeakers Owner's Manual User manual for Polk Audio M10 and M20 M Series loudspeakers, covering setup, speaker placement, wall mounting, and limited warranty information.</p>
	<p>Polk REACT SOUND BAR Owner's Manual: Setup, Operation & Guide Explore the Polk REACT SOUND BAR owner's manual for comprehensive setup, operation, and troubleshooting guides. Learn about Alexa integration, Bluetooth, connections, and audio settings for an enhanced home theater experience.</p>
	<p>Polk Signature Elite ES90 Height Module Owner's Manual: Setup and Usage Guide This owner's manual provides essential information for setting up and using the Polk Signature Elite ES90 height module. Enhance your home theater with immersive audio formats like Dolby Atmos and DTS:X by following the step-by-step installation, connection, and configuration guides.</p>