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› Howeall Super Quiet Smart Register Booster Fan (Model HWVFSR) User Manual

Howeall HWVFSR

Howeall Super Quiet Smart Register Booster Fan (Model HWVFSR) User Manual

Model: HWVFSR

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Howeall Super Quiet Smart Register Booster Fan. This device is designed to enhance the efficiency of your HVAC system by providing precise airflow and intelligent temperature control, helping to eliminate uneven room temperatures and improve overall comfort while optimizing energy usage.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Ensure the power supply matches the requirements specified on the product label.
- Do not operate the fan with a damaged cord or plug.
- Keep fingers, loose clothing, and other objects away from moving fan blades.
- Do not immerse the unit in water or expose it to excessive moisture.
- This product is intended for indoor use only.
- Keep out of reach of children and pets. The inverted triangle grill design helps protect against accidental contact with fan blades.

3. PRODUCT FEATURES

- **Eliminate Uneven Room Temperatures:** Works with your HVAC system for precise airflow and intelligent temperature control, ensuring consistent comfort and energy savings.
- **Effortless Dual Control:** Features intuitive button control on the unit and a mobile app for remote control via Wi-Fi.
- **Intelligent Programming:** An upgraded thermostat controller monitors temperature and adjusts fan speeds in real-time, optimizing cooling and heating performance. It automatically activates/deactivates the fan to save energy.
- **Super Quiet Operation:** Equipped with ultra-quiet stator-blade PWM fans with hydro-mechanical blades, operating at under 16 dBA at its lowest setting.
- **Innovative Design:** Crafted from durable 2mm steel, supporting up to 300 lbs. The two-way airflow design ensures wider

coverage.

4. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Howeall Super Quiet Smart Register Booster Fan (Model HWVFSR)
- Power Adapter (12V DC)
- Remote Control
- Cable Clips (x2)
- Screws (x2)



Image: Howeall Super Quiet Smart Register Booster Fan with included accessories.



Image: Detailed view of the booster fan and its components, including power adapter, cable clips, and screws.

5. SPECIFICATIONS

Brand	Howeall
Model Name	HWVF5R
Color	White
Register Size	4" x 10" (Fits ONLY 4 x 10 inch Register Vent)
Product Dimensions	11.8"D x 5.9"W x 1.96"H
Air Flow Capacity	140 CFM
Noise Level	16 dBA (at lowest setting)
Wattage	9 watts
Voltage	12 Volts
Power Source	AC (via included adapter)
Special Features	App Operable, Quiet Operation, Timer, Wi-Fi Enabled
Number of Power Levels	10

6. SETUP AND INSTALLATION

6.1 Measure Your Duct Size

Before installation, accurately measure the dimensions of your existing register hole. This Howeall booster fan is designed to fit ONLY 4" x 10" register vents. Measuring the duct opening size ensures a perfect fit.

Fits 4 inch x 10 inch Openings

Measure Your Duct Size for a Perfect Fit!



*Phone Size Comparison: Find the Perfect Fit in Seconds!

Reference Models: iPhone 11–16 , 4 inches is roughly 2/3 the size of an iPhone.
10 inches is roughly the size of one iPhone plus an additional 2/3 of an iPhone.

Image: Visual guide for measuring your duct opening to ensure compatibility with the 4" x 10" booster fan.

6.2 Physical Installation

1. Remove your existing register cover from the floor or wall.
2. Carefully place the Howeall booster fan into the register opening. Ensure it sits flush with the surface.
3. If desired, use the provided screws to secure the fan to the floor or wall.
4. Connect the power adapter to the fan and plug it into a standard AC outlet. Use the included cable clips to manage the

power cord neatly.

Video: An unboxing and installation overview of the Howeall Register Booster Fan, demonstrating how to place it into a floor vent and connect power.

6.3 Wi-Fi App Connection

1. Download the companion mobile app from the App Store (iOS) or Google Play Store (Android).
2. Follow the in-app instructions to connect your Howeall booster fan to your home Wi-Fi network.
3. Once connected, you can control the fan remotely and access advanced features.

Control Without Limits

Smart Connectivity allows you to control and monitor your fan anytime, anywhere.

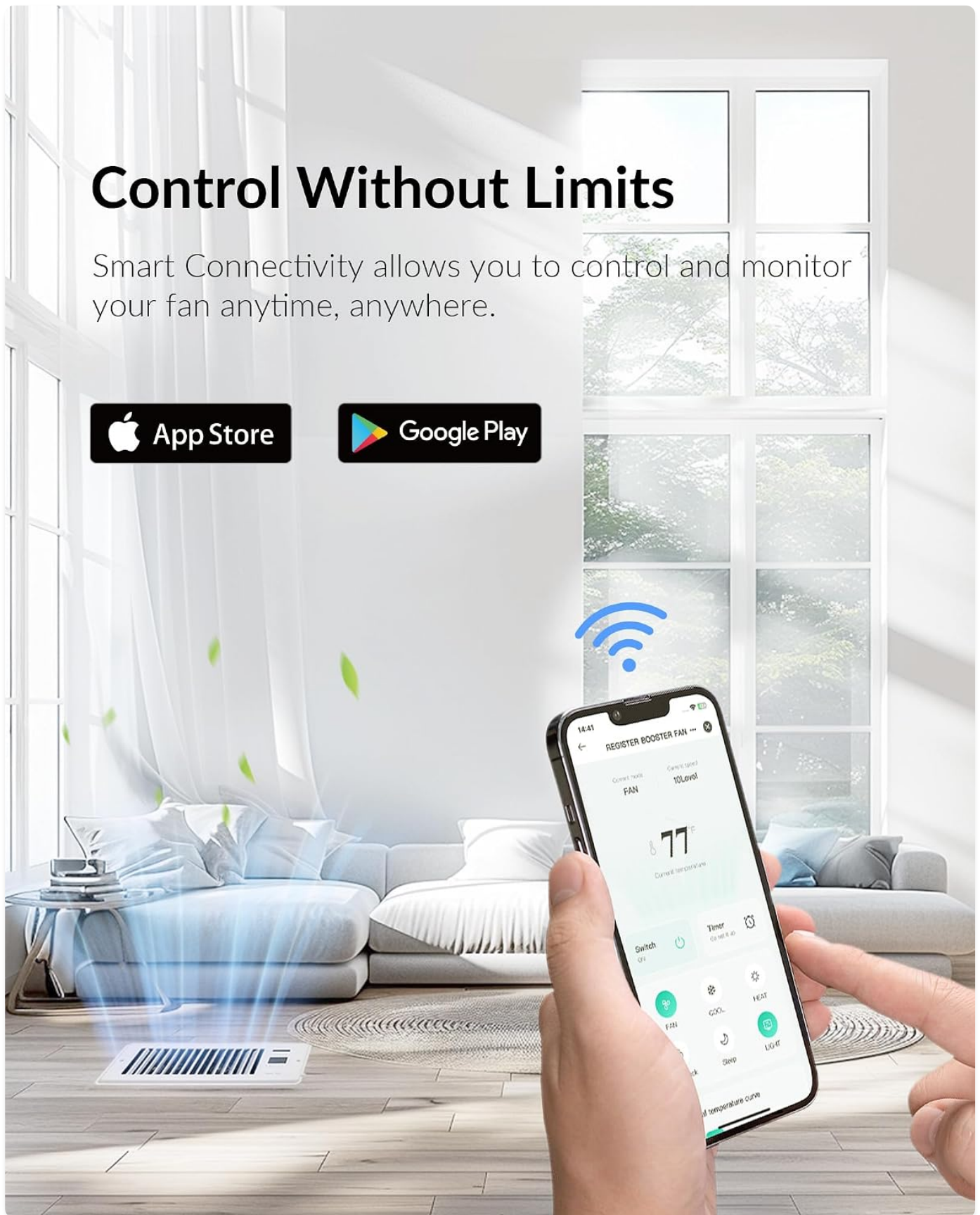


Image: Illustration of the mobile app interface for controlling the Howeall Smart Register Booster Fan, showing Wi-Fi connectivity.

7. OPERATING INSTRUCTIONS

7.1 On-Unit Controls

The fan features an intuitive control panel with a digital display and buttons:

- **Power Button:** Turns the fan ON/OFF.

- **Mode Button:** Cycles through Fan, Cool, and Heat modes.
- **Up/Down Buttons:** Adjust fan speed (10 levels) or temperature settings.
- **Light Button:** Toggles the display backlight ON/OFF for nighttime use.
- **Wi-Fi Button:** Initiates Wi-Fi connection pairing.

Smart Features for Every Need

From quiet nights to efficient cooling, this fan keeps you comfortable and saves energy



Child
Lock



Fan
Mode



Cold
Mode



Heat
Mode



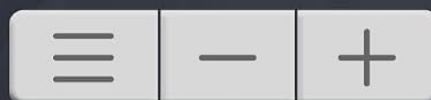
Sleep
Mode



Wi-Fi
Control



Real-time Temperature



Mode

Down

Up



one-click to turn on the
WiFi connection



One-click to turn off the display

Image: Detailed view of the fan's control panel, highlighting various buttons and the digital temperature display.

7.2 Remote Control

The included remote control provides convenient access to all fan functions from a distance.

7.3 Mobile App Control

The Wi-Fi enabled mobile app offers advanced control and scheduling options:

- **Intelligent Programming:** Set desired temperature thresholds for automatic fan activation in heating or cooling modes.
- **Custom Fan Speeds:** Adjust fan speed from 1 to 10 levels.
- **Timer Function:** Schedule specific times for the fan to turn ON/OFF.
- **Child Lock:** Prevent unintended changes to settings.
- **Sleep Mode:** Optimize fan operation for quiet nighttime use.



Image: App interface demonstrating how fan speed adjusts automatically with room temperature changes.

Video: A demonstration of the Howeall Smart Vent Fan's quiet operation, showcasing its low noise level even at higher settings.

Video: A user demonstrates how the Howeall Smart Vent Fan effectively regulates room temperature, highlighting its impact on comfort.

8. MAINTENANCE

- **Cleaning:** Regularly wipe the surface of the fan with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Fan Blades:** Periodically check the fan blades for dust accumulation. If necessary, gently clean with a soft brush or compressed air. Ensure the unit is unplugged before cleaning.
- **Airflow:** Ensure the area around the fan is clear of obstructions to maintain optimal airflow.

9. TROUBLESHOOTING

- **Fan Not Turning On:** Check if the power adapter is securely plugged into both the fan and the wall outlet. Ensure the power button is pressed.
- **No Airflow:** Verify that the fan speed is set above 0. Check for any obstructions blocking the fan blades.
- **Wi-Fi Connection Issues:** Ensure your Wi-Fi network is active and the fan is within range. Follow the app's troubleshooting steps for re-pairing.
- **Inaccurate Temperature Readings:** Ensure the temperature sensor is not obstructed or exposed to direct heat/cold sources that could skew readings.
- **Excessive Noise:** While designed for quiet operation, excessive noise might indicate dust buildup on blades or an obstruction. Refer to maintenance steps.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please refer to the documentation included with your product packaging or visit the official Howeall website. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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