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> VIVOHOME Register Booster Fan 6x10 Inch User Manual

VIVOHOME VH1843

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Model: VH1843

1. INTRODUCTION

Thank you for choosing the VIVOHOME Register Booster Fan. This device is designed to improve airflow from your HVAC vents, ensuring more consistent temperatures throughout your home or office. Featuring a smart thermostat, 10-speed control, adjustable louvers, and Wi-Fi app connectivity, this fan offers enhanced comfort and energy efficiency. Please read this manual thoroughly before installation and operation to ensure proper use and maintenance.



Image: VIVOHOME Register Booster Fan in a modern living room setting, demonstrating its integration and function.

2. SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury, please observe the following safety precautions:

- Read all instructions before using this appliance.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination and/or repair.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away

from traffic area and where it will not be tripped over.

- Always unplug the fan before cleaning or performing any maintenance.
- Do not insert fingers or foreign objects into any ventilation or exhaust opening.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Ensure the power supply matches the voltage requirements specified on the product label.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- VIVOHOME Register Booster Fan (Model VH1843)
- Power Cord
- Remote Control
- User Manual

4. PRODUCT OVERVIEW

The VIVOHOME Register Booster Fan is designed to enhance the efficiency of your HVAC system by boosting airflow from your vents. Key features include:

- **Smart Temperature Control:** Built-in thermostat automatically turns the fan on/off based on preset temperature settings, improving HVAC efficiency.
- **Wi-Fi App Control:** Manage airflow, set schedules, and monitor temperature history from your smartphone.
- **Quiet Operation:** Powered by an EC motor, the fan operates below 18 dB at lower speeds, ensuring minimal noise disruption.
- **10-Speed Settings:** Customize airflow with 10 adjustable fan speeds, up to 120 CFM.
- **Adjustable Louvers:** Direct airflow precisely with 60°-120° adjustable louvers or use auto-swing for wider coverage. Louvers can be closed for ventilation even when the fan is off.
- **Power-off Memory:** Retains temperature, speed, and louver angle settings after a power outage.
- **Child Safety Lock:** Prevents unintended changes to settings.

Auto Temperature Control

Enhance HVAC efficiency



Figure 1: Auto Temperature Control. The fan automatically adjusts based on detected duct temperature and preset thresholds.

Smart App Control

Wi-Fi connection allows you to monitor the fan anytime, anywhere



Timer



Schedule



Child lock

Figure 2: Smart App Control. Control the fan's settings, including timer, schedule, and child lock, from your mobile device.

Ultra Quiet Operation

Enjoy a peaceful night without noise disruptions

Wall

Floor

40dB
Quiet library

30dB
Whisper

<18dB

*Tested by VIVOHOME
Lab at Speed 2, measured at 39.4 in distance.

Figure 3: Ultra Quiet Operation. The fan is designed for minimal noise, operating below 18 dB at lower speeds.

Optional & Optimal Airflow Direction

Easily direct airflow exactly where you need it



Power-off Memory

60° - 120°
Oscillation Range



Adjustable Swing



Evencooling/heating → Comfortable

Fixed Direction



Overcooling/heating → Sleepless

Figure 4: Optional & Optimal Airflow Direction. Louvers can be adjusted from 60° to 120° or set to auto-swing.

5. INSTALLATION

5.1 Pre-Installation Measurement

Before purchasing and installing, accurately measure the inside opening of your vent. This fan fits inside openings with a length range of 9 7/8"-10 5/8", a width range of 3 7/8"-7 5/8", and a depth greater than 2 inches. The fan is compatible with standard 6" x 10" vent covers.



Image: Measure Before You Buy. This diagram shows the required length, width, and depth ranges for the vent opening.

6"×10" Fan Dimensions

Check fan dimensions to ensure compatibility with your duct opening

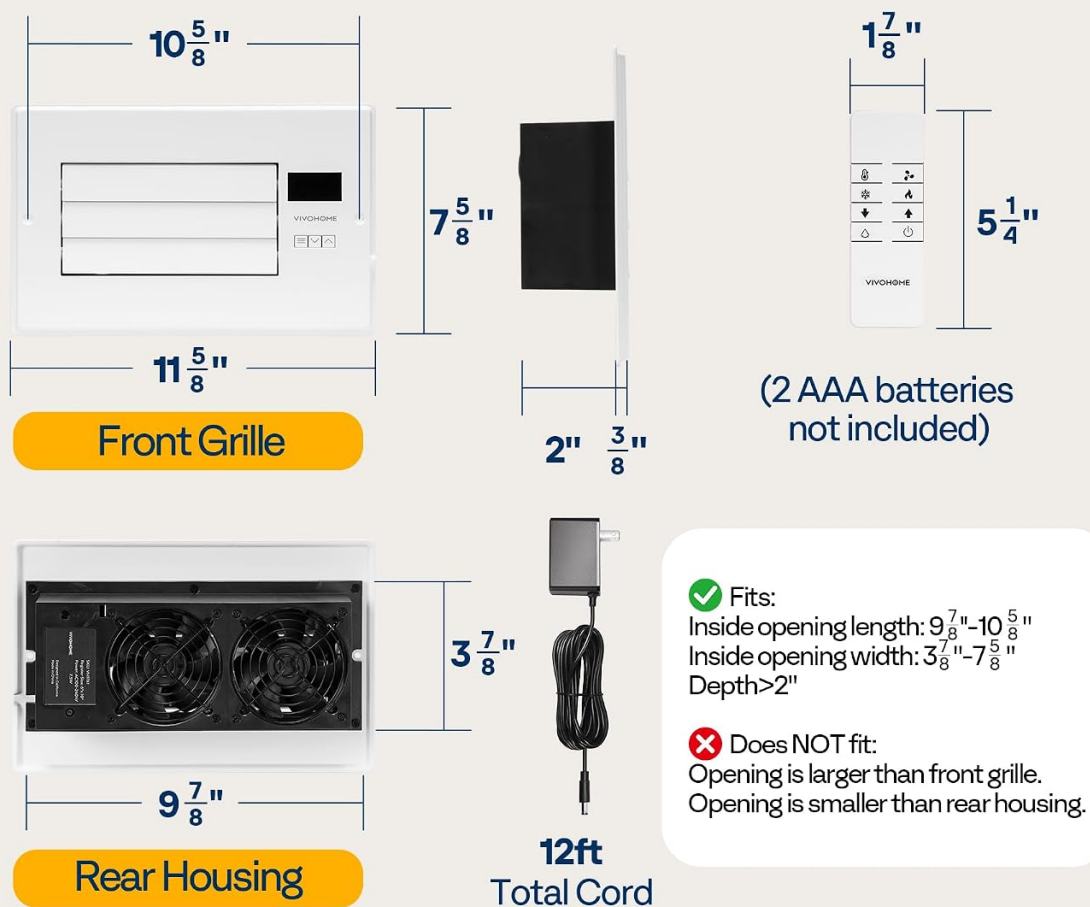


Image: 6x10 Inch Fan Dimensions. Detailed measurements of the front grille, rear housing, and total cord length.

5.2 Installation Steps

1. Ensure the vent opening meets the specified dimensions. If necessary, enlarge the opening using a template.

2. Insert the booster fan into the vent opening.
3. Secure the fan firmly with the provided screws.
4. Plug the power cord into a standard electrical outlet.
5. For Wi-Fi app control, long press the 'Up' button on the fan's control panel to initiate pairing mode. Follow the app instructions to connect.

For a visual guide on installation and app connection, please refer to the video below:

Your browser does not support the video tag.

Video: How to install VIVOHOME Register Booster Fan and connect app. This video provides step-by-step instructions for physical installation and connecting the device to the mobile application.

6. OPERATION

6.1 Remote Control Operation

The included remote control allows you to adjust various settings of your booster fan. Ensure AAA batteries (not included) are inserted correctly. Point the remote directly at the fan's display panel.

- **Power Button:** Turns the fan on or off.
- **Mode Button:** Cycles through cooling, heating, and fan-only modes.
- **Fan Speed Buttons (+/-):** Adjusts the fan speed from 1 to 10.
- **Louver Control:** Adjusts the angle of the louvers or activates auto-swing.
- **Temperature Unit:** Switches between Fahrenheit (°F) and Celsius (°C).

For a detailed guide on using the remote control, watch this video:

Your browser does not support the video tag.

Video: Easy Remote Control Guide for VIVOHOME Boost Fan. This video demonstrates how to use the remote control to adjust fan settings.

6.2 Wi-Fi App Control

Download the VIVOHOME app from the App Store (iOS) or Google Play Store (Android). Once connected, the app provides comprehensive control over your booster fan.

- **Remote Monitoring & Adjustment:** Check and change settings from anywhere.
- **Scheduling:** Set automated on/off times and preferred settings.
- **Sleep Timer:** Program the fan to turn off after a set duration.
- **Temperature History:** Review past temperature data to optimize settings.
- **Child Lock:** Activate to prevent manual tampering with the fan's controls.

Learn more about the smart app control features in this video:

Your browser does not support the video tag.

Video: VIVOHOME Smart App Control Register Booster Fan with Louver. This video highlights the various functions and benefits of controlling the fan via the mobile app.

6.3 Temperature Control Modes

The fan features a smart thermostat that activates based on your HVAC system's operation and your preset temperature thresholds. In cooling mode, the fan turns on when the duct temperature is below the cooling threshold. In heating mode, it activates when the duct temperature exceeds the heating threshold. The fan will automatically turn off when the temperature

returns to the desired range.
For guidance on setting cool/heat modes and understanding fan operation, refer to this video:

Your browser does not support the video tag.

Video: How to set Cool/Heat mode? Why doesn't the fan work? This video explains how to configure temperature modes and troubleshoot common issues related to fan activation.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your VIVOHOME Register Booster Fan.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior of the fan. Do not use abrasive cleaners or solvents. Periodically clean the fan blades and interior components using a soft brush or compressed air to remove dust buildup.
- **Inspection:** Regularly check the power cord for any signs of damage. Ensure the fan is securely mounted in the vent opening.
- **Storage:** If storing the fan for an extended period, unplug it and store it in a cool, dry place away from direct sunlight.

8. TROUBLESHOOTING

If you encounter issues with your VIVOHOME Register Booster Fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan does not turn on	No power; Power cord not connected; Temperature thresholds not met.	Check power outlet and connections. Verify temperature settings in app or on remote.
Remote control not working	Batteries dead or incorrectly inserted; Remote not paired.	Replace batteries. Re-pair remote by pressing and holding the power button on the remote within 30 seconds of powering on the fan until 3 beeps are heard.
Wi-Fi app not connecting	Incorrect Wi-Fi password; Fan not in pairing mode; Router issues.	Ensure correct Wi-Fi credentials. Long press 'Up' button on fan for pairing. Restart router.
Fan is noisy	High fan speed; Obstruction in fan blades.	Reduce fan speed. Disconnect power and check for obstructions.

For specific troubleshooting related to remote control functionality, please watch this video:

Your browser does not support the video tag.

Video: The remote not working? Check out the troubleshooting video. This video provides solutions for common remote control issues.

9. SPECIFICATIONS

Feature	Detail
Brand	VIVOHOME
Model Number	VH1843

Feature	Detail
Size	6" x 10" Opening
Product Dimensions (D x W x H)	11.4"D x 2.8"W x 7.5"H
Material	Acrylonitrile Butadiene Styrene, Aluminum
Power Source	EC Motor
Voltage	115 Volts
Wattage	8 watts
Number of Speeds	10
Air Flow Capacity	120 Cubic Feet Per Minute (CFM)
Noise Level	18 Decibels (at lowest speed)
Control Method	App, Push Button, Remote
Special Features	App Operable, Oscillating, Quiet Operation, Thermostat Control, Wi-Fi Enabled
Mounting Type	Floor Mount, Wall Mount, Ceiling Mount
Indoor/Outdoor Usage	Indoor

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The VIVOHOME Register Booster Fan (Model VH1843) comes with a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, modification, unauthorized repair, or failure to follow the instructions in this manual.

10.2 Customer Support

For technical assistance, warranty claims, or general inquiries, please contact VIVOHOME customer support. Refer to the contact information provided on the product packaging or the official VIVOHOME website for the most up-to-date support details.