

VIVOHOME

THANK
YOU!

NOTE:

To continuously improve its products, VIVOHOME reserves the right to modify this information without prior notification.

For any questions regarding assembly, please watch the video on the product page or contact our customer service. Our customer service will gladly assist you with any additional questions, comments, or concerns.

Thank you for using VIVOHOME products in your home!

Thank You for Purchasing from

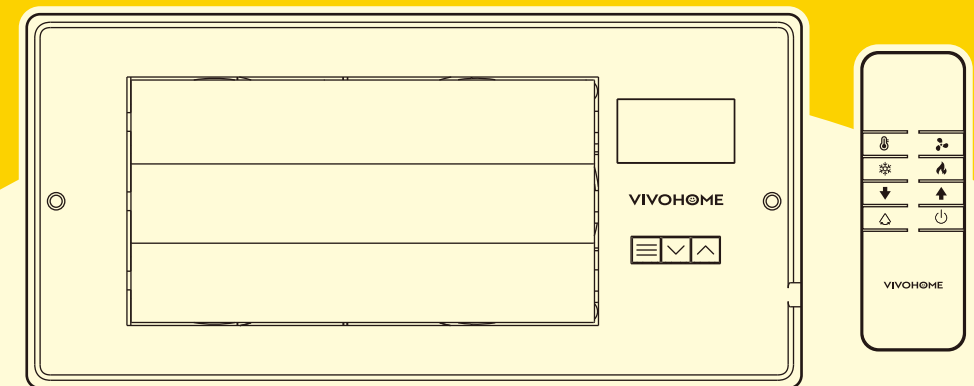
VIVOHOME

Made in China

VIVOHOME

HOW-TO

USER MANUAL



**4" x 10" Register
Booster Fan with APP**

Assembly is EASY!

**WE WANT
YOU TO
ENJOY LIFE
AT HOME**

GO TO THE PRODUCT LISTING PAGE
FOR AN INSTRUCTIONAL VIDEO!

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Product Introduction



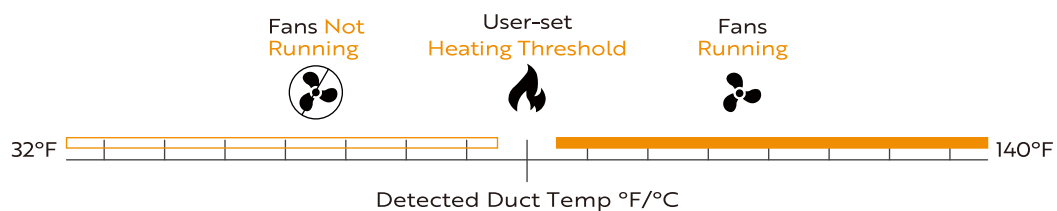
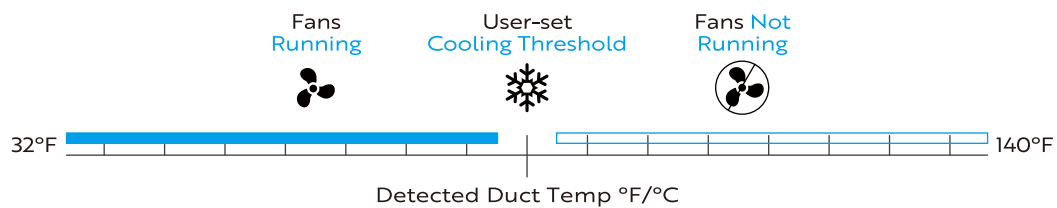
The VIVOHOME Register Booster Fan is designed to enhance airflow from your vent, optimizing the efficiency of your HVAC system. It operates based on the air temperature inside the duct, which is detected by its built-in sensor. By setting your preferred temperature thresholds, the fan helps circulate hot or cold air more effectively, improving room temperature consistency and reducing the strain on your HVAC system, ultimately leading to energy savings.

Working Principle:

The built-in sensor continuously monitors the real-time temperature inside the duct. Users can set separate temperature thresholds for both cooling and heating modes:

1. In Cooling Mode, when the duct temperature falls below the preset cooling threshold, the fan automatically turns on.
2. In Heating Mode, when the duct temperature rises above the preset heating threshold, the fan automatically turns on.

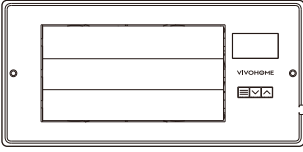

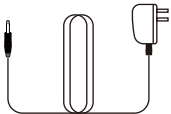
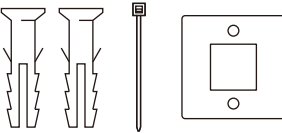
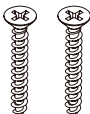
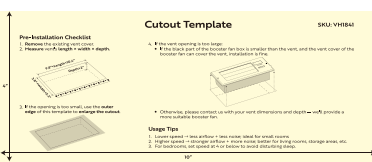
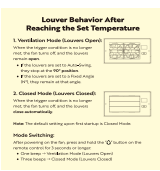
Once the duct air temperature no longer meets the selected condition, the fan will automatically turn off.



What's in the Box



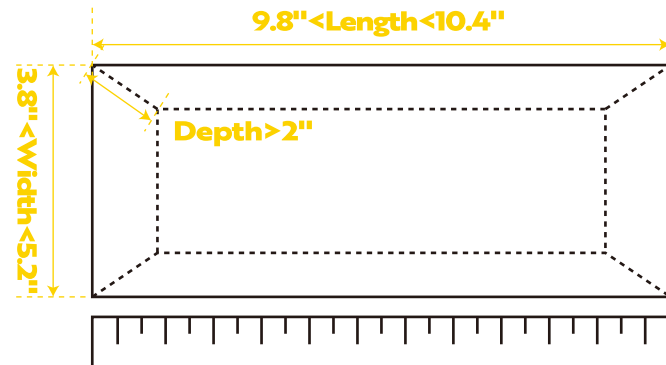
Model: VH1841

	<p>Register Booster Fan × 1</p>
	<p>Remote Control (Battery Not Included) × 1</p>
	<p>Adapter × 1</p>
	<p>Power Cord Clip × 1</p>
	<p>Screw × 2</p>
	<p>Cutout Template × 1</p>
	<p>Quick Tip Card × 1</p>



Step 1: Check Vent Opening Size

Remove the existing vent register cover. Measure the **inside length, width, and depth** of the vent opening. Recommended vent opening size as follows:

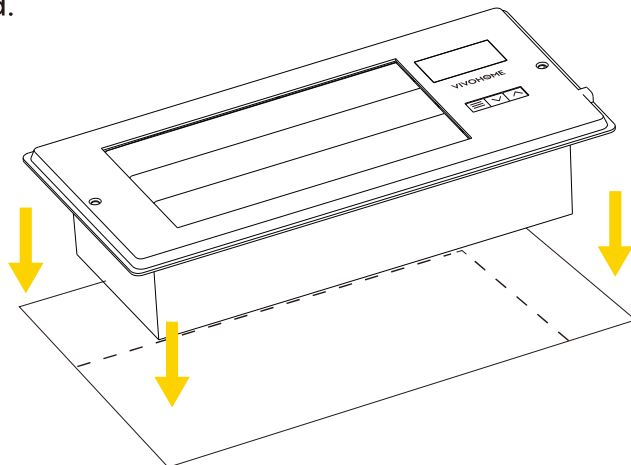


Notes:

- If the opening is slightly smaller than the required housing size (3.8"x9.8"), use the cutout template to carefully enlarge it.
- If the opening is larger than the front panel size (5.2"x10.4"), please contact customer support for a better-fitting model.

Step 2: Insert the Booster Fan

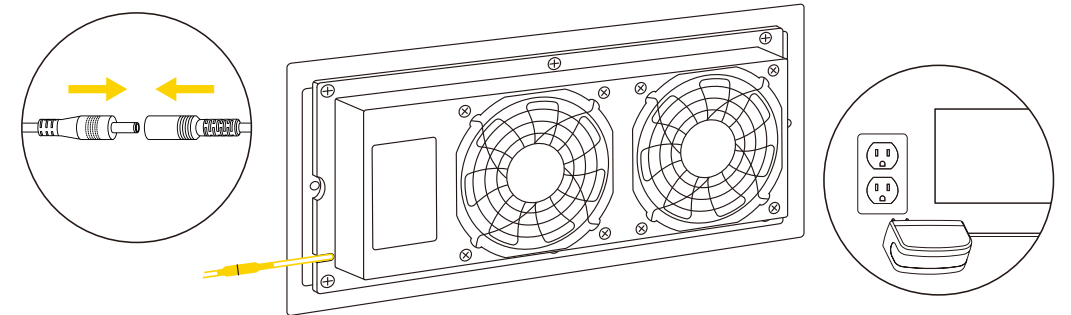
Insert the booster fan into the vent opening and make sure it sits flat and aligned.



Step 3: Power On and Test

Connect the terminal to the adapter, then plug the fan into a power outlet.

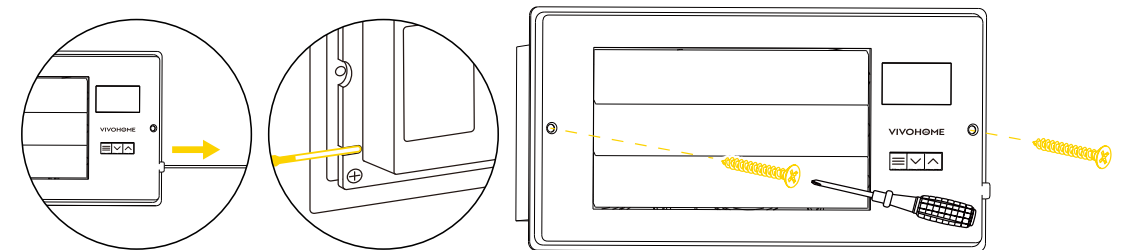
Install **2 AAA batteries** in the remote control first. Then press any button on the remote to test its operation.



Step 4: Secure the Fan

Use the included screws to secure the fan in place.

Route and arrange the power cord neatly to avoid obstruction.



Notes:

Each time the fan is powered on, the louvers will briefly open and close once as part of a normal self-calibration process. This is expected behavior. Once calibration is complete, the fan is ready for use.

Mode Configuration



Cooling Mode (Summer Mode)

In Cooling Mode, the booster fan turns on **only when the duct air temperature is below the set threshold** to boost cool air flow. If the condition is not met, the fan automatically turns off.

Step 1:

Turn On AC

Turn on your air conditioning system and set a comfortable temperature.

Step 2:

Check Duct Temperature

Let cool air reach the vent, then view the real-time duct temperature on the display. (e.g.)

Step 3:

Enter Cooling Mode

Press MODE on the fan or the Cooling Mode button on the Remote Control. Enter the Cooling Mode settings page. (e.g.)

Step 4:

Set Threshold Temperature

Press DOWN / UP or / on the Remote Control to set a threshold temperature higher than the current duct air temperature.

Step 5:

Set Fan Speed

Press MODE or the Fan Speed button to select your preferred speed. (e.g.)

Step 6:

Adjust Louver Angle

Press MODE or the Louver button .

Use / to choose Auto-Swing or a fixed angle. (e.g.)

Step 7:

Cooling Mode Active

Press Mode or , return to the Cooling Mode screen and stay on this page (e.g.)

Cooling Mode is now active.

Heating Mode (Winter Mode)

In Heating Mode, the booster fan turns on **only when the duct air temperature is above the set threshold** to boost warm air flow. If the condition is not met, the fan automatically turns off.

Step 1:

Turn On Heater

Turn on your heating system and set your usual temperature.

Step 2:

Check Duct Temperature

Let warm air reach the vent, then check the real-time duct temperature on the display. (e.g.)

Step 3:

Enter Heating Mode

Press MODE on the fan or the Heating Mode button on the Remote Control. Enter the Heating Mode settings page. (e.g.)

Step 4:

Set Threshold Temperature

Press DOWN / UP or / on the Remote Control to set a threshold temperature lower than the current duct air temperature.

Step 5:

 Set Fan Speed

Press MODE  or the Fan Speed button  to choose your preferred speed. (e.g. )

Step 6:




 Adjust Louver Angle

Press MODE  or the Louver button .

Use  /  to select Auto-Swing or a fixed angle. (e.g. )

Step 7:



Heating Mode Active

Press Mode  or , return to the Heating Mode screen and stay on this page (e.g. )

Heating Mode is now active.

Fan Only Mode

Method 1: Using the control panel on the fan

Press the Mode button  on the panel, switch to Fan Speed Selection screen. The fan icon will display (e.g. )

Press Up or Down buttons  /  to adjust the fan speed to the desired level.

Stay on this page. Fan Only Mode is now active.

Method 2: Using the Remote Control

Long press Fan button  on the remote control.

The screen will display as .

Use Up or Down buttons  /  to adjust the fan speed to the desired level. Stay on this page. Fan Only Mode is now active.

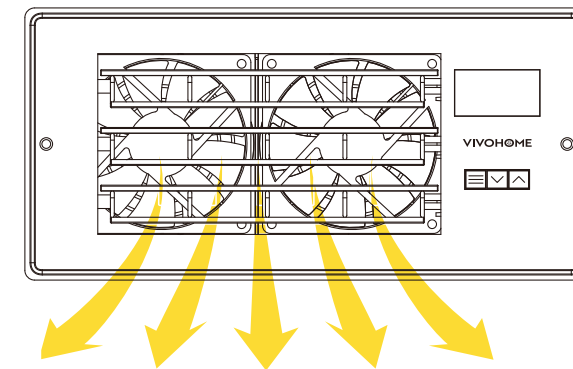
Louver Behavior After Reaching the Set Temperature

When the fan is not operating in **Heating** or **Cooling Mode**, or when the fan is **powered off**, you can choose whether the louvers remain **open or closed**.

Ventilation Mode (Louvers Open)

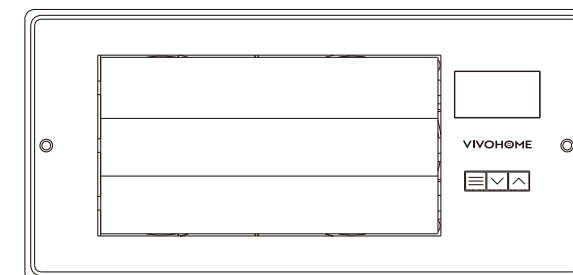
When the trigger condition is no longer met, the fan turns off, and the louvers remain **open**.

- If the louvers are set to Auto-Swing, they will stop at the 90° position.
- If the louvers are set to a Fixed Angle (N°), they will remain at that angle.




Closed Mode (Louvers Closed)

When the trigger condition is no longer met, the fan turns off, and the louvers **close automatically**.



Mode Switching

 How to Switch Louver Mode

After the fan is powered on, press and hold the "" button on the remote control for 3 seconds or longer:

- 1 beep = Ventilation Mode (Louvers Open)
- 3 beeps = Closed Mode (Louvers Closed)

Note:

The default setting at first power-up is Louvers **Closed** Mode.



App Connection & Device Setup

How to Download VIVOHOME:

Search for “VIVOHOME” in the Apple App Store or Google Play Store and download the app.

Step 1: Download the App

Download the VIVOHOME App from the Apple App Store or Google Play, or scan the QR code to install.

Note: You may use **Guest Mode** for basic control, or **register an account** to access additional connected features such as device sharing.






Step 2: Enable Phone Connections

Turn on Wi-Fi and Bluetooth on your phone, and make sure you are connected to a 2.4 GHz Wi-Fi network.

Step 3: Enter Pairing Mode

Power on the fan, wait for 20 seconds for the restarting (After power-up, the louvers will briefly move to perform a self-check.)

Long press the Up button  on the unit or  on the remote, until the pairing icon  scrolling to indicate the unit has entered pairing mode.

Step 4: Add Device in the App

Open the VIVOHOME App and tap “Add Device” on the home screen to search for nearby devices. If no device is found, select Add Manually and follow the on-screen instructions.



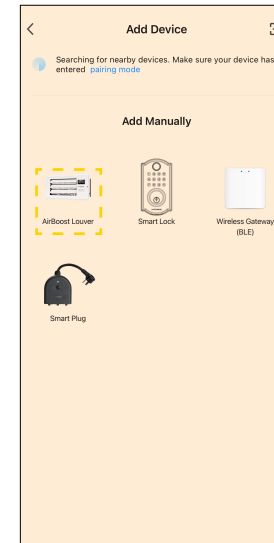
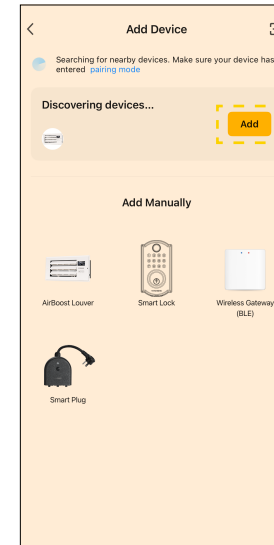
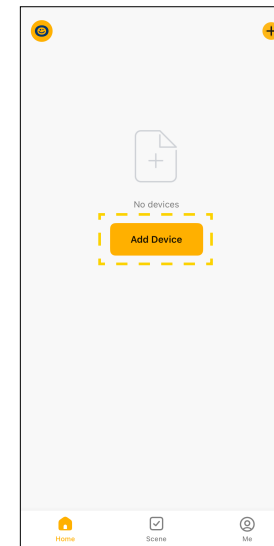
Important: If pairing fails, repeat Step 3 to re-enter pairing mode before trying again.

Step 5: Confirm Connection

When the device appears, tap “Add” to complete pairing.

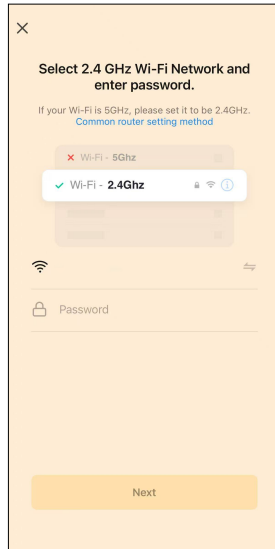
If automatic detection fails, manually add the device:

1. Tap “AirBoost Louver”.
2. Follow the on-screen instructions.



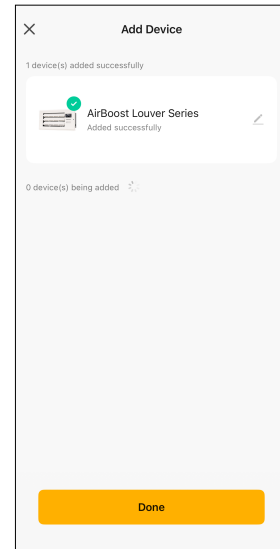
Step 6: Enter WiFi Password

Note: Make sure you are connected to a 2.4G WiFi network and Bluetooth is enabled on your phone.

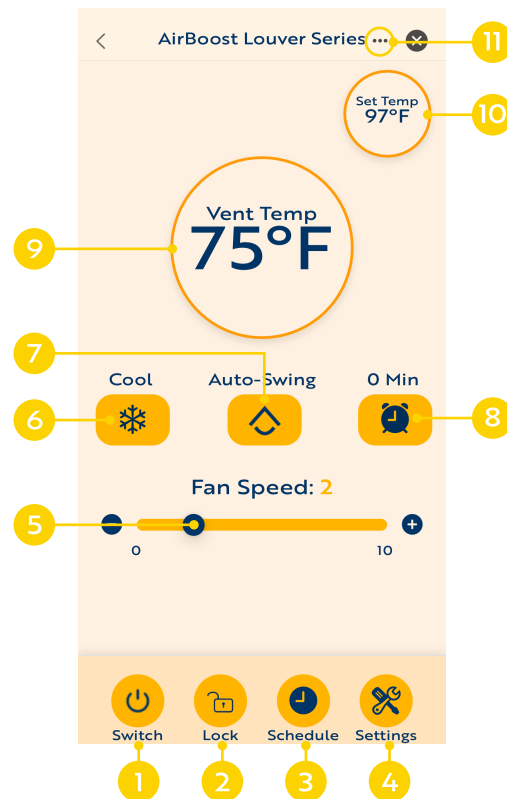


Step 7: Connection Complete

When this screen appears, the fan has been successfully paired and connected.



App Interface Operation Guide

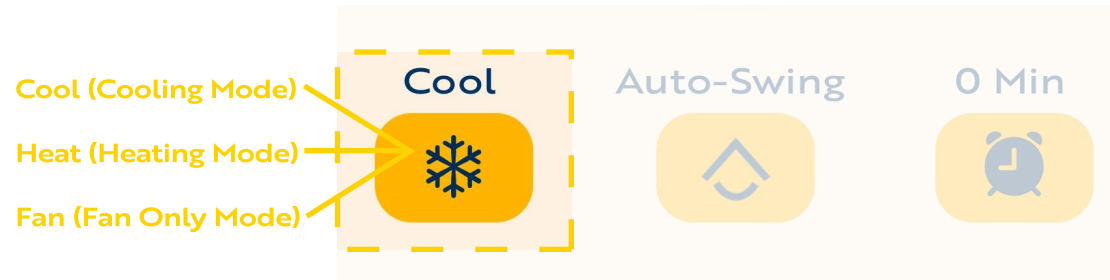


App Interface Operation Guide

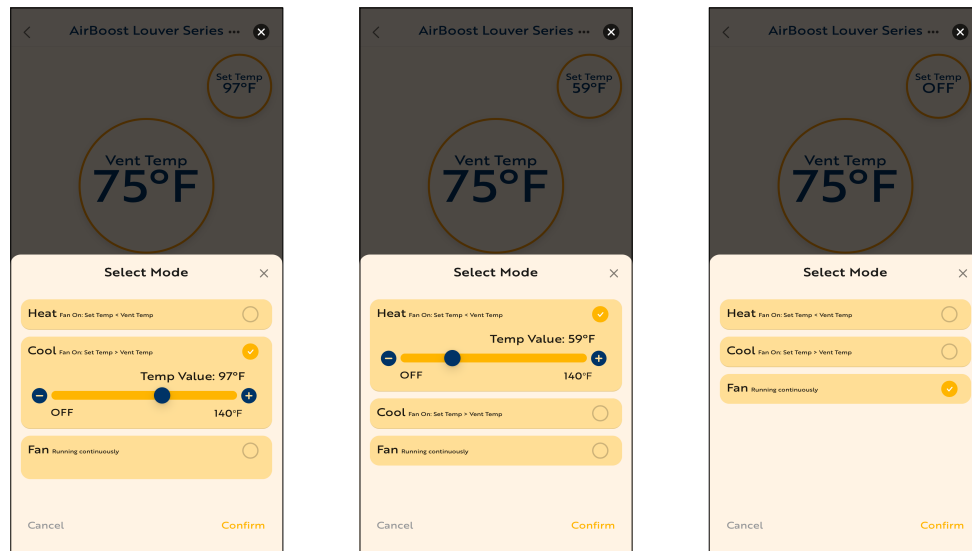
No.	Button	Function
1	Power	Turn On/Off
2	Child Lock	Enable/ Disable Child Lock (When enabled, all buttons on the unit and remote control are locked.)
3	Schedule	Create and manage recurring schedules
4	Settings	Enter Other Settings Page (Temperature unit (°F/ °C), louver status in standby, buzzer, etc.)
5	Fan Speed	Adjust fan speed from 0 to 10
6	Mode	Select a mode: Cool, Heat, or Fan Only
7	Louver Angle	Select a fixed angle or Auto-swing
8	Countdown Timer	Select a countdown timer from 1 to 6 hours
9	Detected Vent Temp	Display the current duct temperature
10	Set Temp	Display the target temp thershold in Cool/ Heat mode (Show OFF when Fan mode is selected or Cool/ Heat mode is turned off)
11	Device Info	Enter Device Information Page (Device ID, Share device, Remove device)

Mode Selection and Setup

Tap the Mode button to select and configure one of the following operating modes:



Press the Mode button to enter Cool, Heat, or Fan Only mode selection.



Notes:

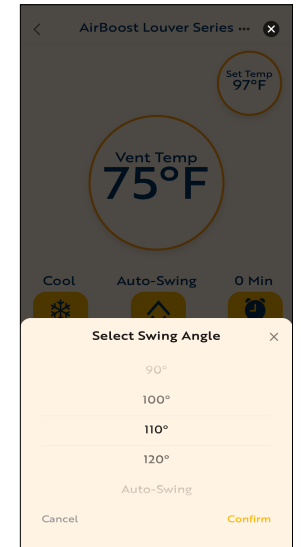
In Cooling Mode and Heating Mode, a valid temperature threshold must be set (on-screen guidance is provided in the app) for the fan to operate.

The settings take effect only after tapping the **“Confirm”** button.

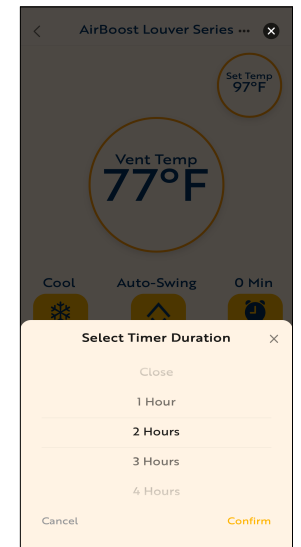


Louver Angle Adjustment

Use the louver control in the app to adjust the airflow direction by setting the desired louver angle or enabling Auto-Swing, depending on the selected mode.



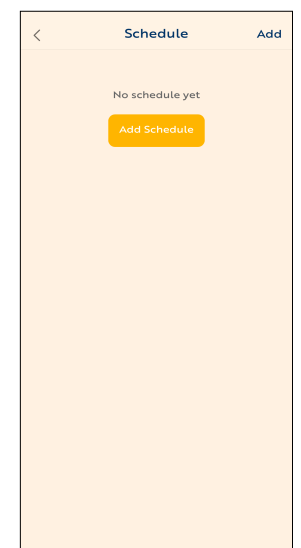
Countdown Timer



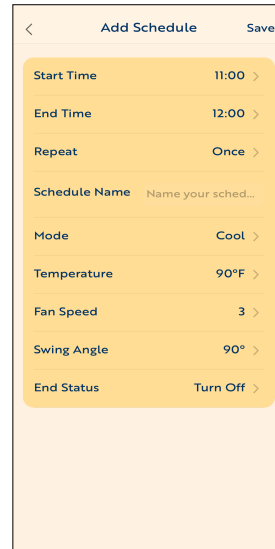
Schedule Settings

How to Set a Schedule:

1. Add a new schedule

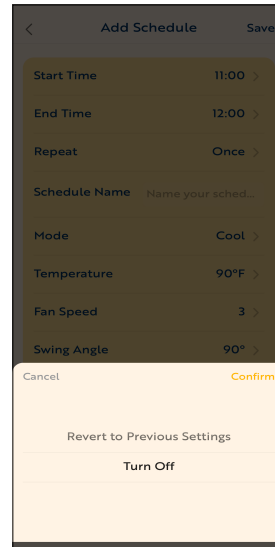


2. Select the desired operating parameters



3. Choose the fan status after the schedule ends:

Revert to Previous Settings: Restore the fan to its previous state before the schedule started.
Turn Off: Turn the fan off after the schedule completes.



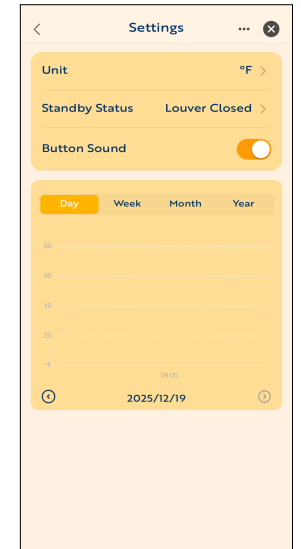
4. After all settings are configured, press "Save" (top-right) to confirm. Returning to the page means the schedule is set.

Notes:

For single schedules: if the start time is earlier than current time, the timer will start the next day.
For weekly schedules: the fan activates at the next upcoming occurrence of the selected weekday and time. If today is the selected day but the set time has already passed, the schedule will take effect on the same weekday next week.

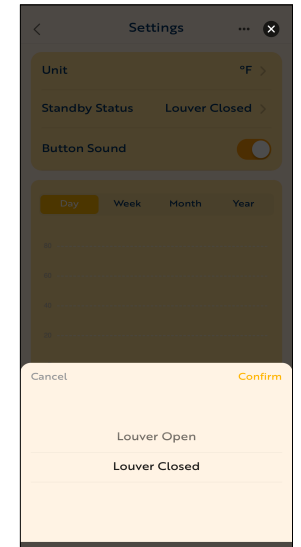
Other Settings Page

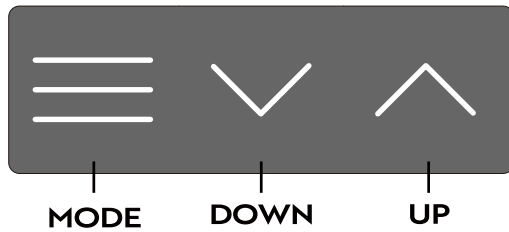
Switch temperature units
Louver Mode in Standby
Buzzer ON/OFF
Historical Temperature Records



Louver Mode in Standby

Louver behavior after reaching the set temperature or when the fan is powered off:
Louver Open: Louvers remain open.
Louver Closed: Louvers remain closed.





Control Panel Button Descriptions

Button	Operation	Function	Feedback / Notes
	Short Press	Switches display pages in sequence: real-time temperature → Cooling Mode → Heating Mode → Fan Speed → Louver Angle	Cycles through pages in sequence
	Long Press	Child Lock ON/OFF	3 beeps: Locked(LC) 1 beep: Unlocked(UL)
	Short Press	Decreases set temperature or fan speed Switches Auto-Swing and Fixed Angle	
	Long Press	Buzzer ON / OFF	3 beeps: Buzzer OFF 1 beep: Buzzer ON
	Short Press	Increases set temperature or fan speed Switches Auto-Swing and Fixed Angle	
	Long Press	Enter Pairing Mode	Scrolling Loop

Button	Operation	Function	Feedback / Notes
	Short Press	Switches temperature unit	Toggles between °F/°C (temperature display pages only)
	(together)		

Remote Control Notice

The included remote control is **factory pre-paired** and ready for use **out of the box**.

No batteries are included. Please install **2 AAA batteries** before use.

Pairing Instructions:

If the remote control is lost, please contact customer service for a replacement.

Replacement remotes **must be manually paired** before use.

Within **30 seconds** after powering on the register fan, press and hold the POWER button on the remote control for **at least 5 seconds**.

The register fan will emit three beeps ("**Beep-Beep-Beep**"), indicating successful pairing.

Child Lock Display:

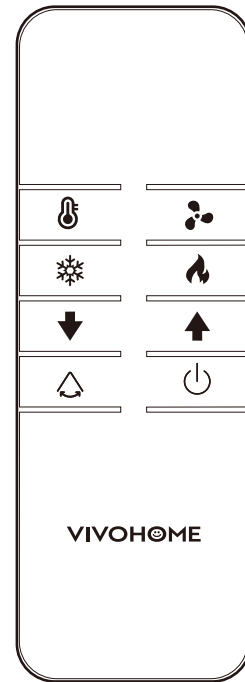
● Locked — Display shows LC









● Unlocked — Display shows UL











Remote Control



Remote Control Button Descriptions

Button	Operation	Function	Feedback / Notes
	Short Press	Displays real-time temperature	Temperature shown on display
	Long Press	Child Lock ON / OFF	3 beeps: Locked (LC) 1 beep: Unlocked (UL)
	Short Press	Displays current fan speed level	Speed level shown
	Long Press	Enter Fan Only Mode	screen shows "FU"
	Short Press	Enter Cooling Mode	Cooling icon / display active
	Short Press	Enter Heating Mode	Heating icon / display active

Remote Control Button Descriptions

Button	Operation	Function	Feedback / Notes
	Short Press	Decreases set value (temperature or speed)	Value decreases
	Long Press	Buzzer ON / OFF	3 beeps: Buzzer OFF 1 beep: Buzzer ON
	Short Press	Increases set value (temperature or speed)	Value increases
	Long Press	Enter Pairing Mode	Scrolling Loop
	Short Press	Switches Auto-Swing / Fixed Angle (locks current angle in Auto-Swing)	Louver movement changes
	Long Press	Selects louver mode in standby	1 beep: Louvers Open 3 beeps: Louvers Closed
	Short Press	Power ON / OFF	Fan turns on/off
	Long Press	Remote control pairing	Pairing mode activated



Q1 Why does the fan turn on or off by itself? Is it defective?

A1

- No. This is **normal operation in Cooling or Heating Mode**.
- In **Cooling Mode**, the fan turns on when the **duct temperature drops below the set threshold**.
- In **Heating Mode**, the fan turns on when the **duct temperature rises above the set threshold**.
- When the duct temperature moves outside the operating range, the fan turns off automatically.
- Once the temperature returns to the threshold range, the fan will start again.
- This automatic cycling is expected and indicates the fan is working properly.

Q2 Why does the displayed temperature look wrong compared to my thermostat?

A2

- Note: The built-in temp sensor needs 5–10 mins to stabilize and show the actual temp after power-on.
- The booster fan measures the **air temperature inside the duct**, not the room temperature.
- The temperature sensor is located on the **rear of the fan**, where airflow passes through the register.
- Because a home thermostat measures **room air**, the two readings may differ. This is normal.

Q3 My fan keeps running even when I don't want it to. How do I stop it?

A3

- The fan may be operating in **Fan Only Mode**, or the duct temperature may currently meet the Heating or Cooling threshold conditions.
- To stop the fan immediately, press the **POWER button** on the remote control to turn the fan off.

Q4 The booster fan is louder than I expected. How can I reduce the noise?

A4

- Fan noise increases with higher fan speed.
- To reduce noise, lower the fan speed.
- For quiet operation, especially during sleep, we recommend **Speed Level 2**.

Q5 The booster fan does not fit my vent opening. What should I do?

A5

- If the vent opening is **slightly smaller than the black rear housing**, use the **included cardboard cutout template** to carefully enlarge the opening.
- If the vent opening is **larger than the white front panel**, please measure **the length, width, and depth** of your vent opening and contact customer service for a suitable size recommendation.



The VIVOHOME warranty program is our commitment to you. We are committed to providing you with a high-quality product that meets your needs and expectations. To demonstrate our confidence in the durability and performance of our products, we offer the following warranty.

WARRANTY COVERAGE

This warranty applies to all orders, purchases, or use of products sold only by VIVOHOME and is valid for 1 year from the purchase date. Please note, this warranty only covers the original order. If a replacement is provided within the warranty period, it does not extend the warranty.

WARRANTY EXCLUSIONS

This warranty does not cover damages caused by misuse, accidents, unauthorized modifications, or any factors unrelated to product manufacturing and design, including but not limited to:

- Loss of parts during use.
- Normal wear and tear of products or parts.
- Incorrect installation (e.g., using the wrong voltage) or improper assembly.
- Overloading the product's bearing capacity.
- Usage in extremely harsh conditions.
- Improper cleaning or lack of maintenance.
- Damage resulting from unintended use of the product.
- Damage resulting from unauthorized modifications or service.
- Indirect losses or damages related to the product.



HOW TO MAKE A WARRANTY CLAIM

If you encounter any defects affecting the product's functionality or if the product fails and cannot be repaired during the warranty period, please reach out to our customer service team via email, or our app's messaging service at your earliest convenience. To expedite your claim, kindly include:

- Order number
- Photos and/or videos illustrating the issue
- A detailed description of the problem

VIVOHOME will provide technical support, replacement, refund, or other solutions based on the issue's specifics. If you wish to return the original package for any reason, please contact us for confirmation before initiating the return. You can expect a response within 48 hours.

Thank you for choosing VIVOHOME. We are dedicated to ensuring your satisfaction and the quality of your purchase. If you have any questions or need further assistance, please don't hesitate to reach out to our customer service team.