

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

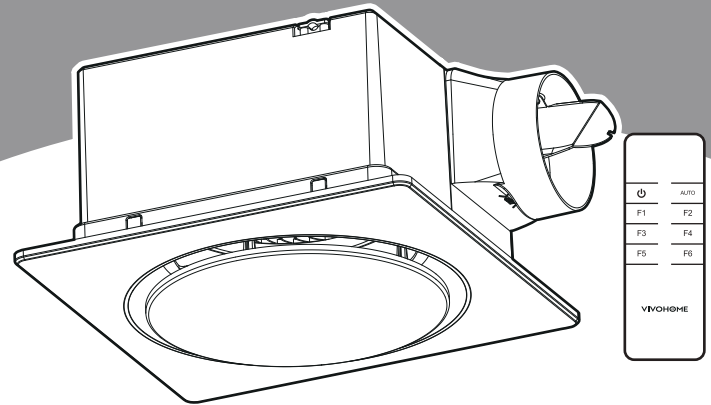
VIVOHOME

Made in China

VIVOHOME

HOW-TO

USER MANUAL



Bathroom Exhaust Fan with Remote

Assembly is EASY!

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

GO TO THE PRODUCT LISTING PAGE FOR
AN INSTRUCTIONAL VIDEO!

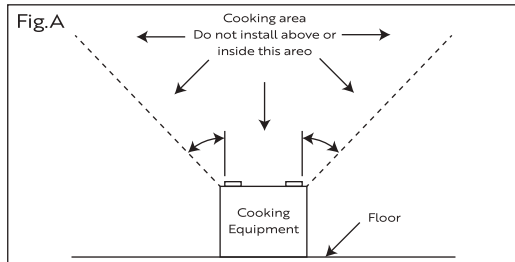
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Please read all instructions before installation and use.

1. Ensure the power supply is **110-120V, 60Hz**.
2. Do not install in areas where temperatures exceed 113°F(45°C).
3. Do not bend or damage the power cord.
4. Follow all local building and electrical codes, including NEC and OSHA regulations.
5. Disconnect power at the circuit breaker before servicing.
6. Protect all wiring from sharp edges, oil, grease, and heat sources.
7. Do not install where airflow is restricted.
8. Ensure adequate air intake for proper ventilation.
9. Do not use to ventilate hazardous or explosive materials.
10. Do not operate the fan with other solid-state speed controls.
11. **This unit is double insulated and does not require grounding.**
12. Do not install in cooking areas (see Fig. A).

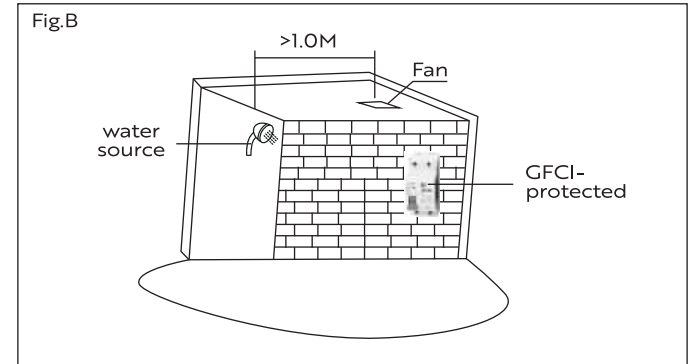


13. Exhaust air must be vented outdoors — not into wall cavities, ceilings, attics, or garages.
14. Install the fan at least 7 feet (2.1 meters) above the floor.

WARNING: To reduce the risk of fire or electric shock, follow all safety precautions and do not install the fan in prohibited zones.

15. Use only as intended by the manufacturer. Contact customer service with questions.
16. Installation must be performed by a qualified professional, following all local safety codes and fire-rated construction rules. Our products are designed to be installed without grounding, allowing customers to install them under the supervision of a professional.

17. Ensure proper airflow and venting for gas-burning appliances to prevent backdrafting. Follow NFPA and ASHRAE guidelines.
18. Do not install in ceilings with insulation values greater than R40.
19. Avoid damaging hidden utilities or wiring during installation.
20. For over-shower or bathtub installation, ensure the product is rated for that use and installed at least 3.3 ft (1 meter) from the water source (see Fig. B). The fan should be installed on the opposite side of the tub on the ceiling. It is acceptable for use over a bathtub or shower when connected to a GFCI-protected branch circuit (refer to Fig. B).



21. Do not connect to rigid metal conduit; use flexible conduit only.
22. Keep ductwork straight and minimize bends.
23. Ductwork size must be a minimum of the discharge and should not be reduced.

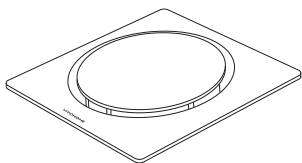


Before beginning installation, verify that all parts are included.

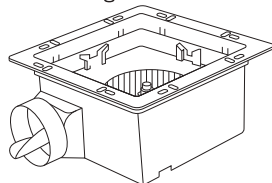
Check each item against the package contents.

If any part is missing or damaged, do **NOT** proceed with installation and contact the VIVOHOME Customer Service for assistance.

1 Decorative Panel



2 Fan Housing



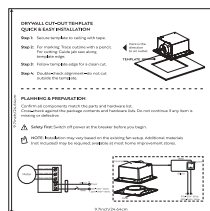
3 Aluminum Foil Duct



4 Backdraft Damper



5 Cutout Template



6 Screws ×6



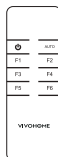
7 Hose Clamps ×2



8 Removable Duct Port



9 Remote Control

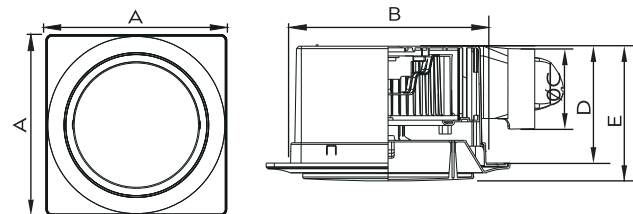


This ceiling-mounted exhaust fan is designed to improve indoor air quality by exhausting humidity, odors and stale air from enclosed spaces.

Its durable motor ensures **quiet, high-efficiency airflow**.

Ideal for **residential and light commercial applications, including bathrooms, offices, and hotels**.

Supports integration with **existing HVAC systems**.



Unit: Inch

A	B	ØC	D	E
11.8x11.8	9.5*9.5inch	Ø4	5.7	6.5

SPECIFICATIONS

SKU: VH1797-N2

Motor Power	45W	Frequency	50-60Hz
Noise Level	0.1-1-1.5 sone	Air Volume	30-160 CFM
Voltage	110V-120V	Airflow Output (CFM)	30-180 CFM
Fans Power	45W	Rotate Speed	330-1745 RPM

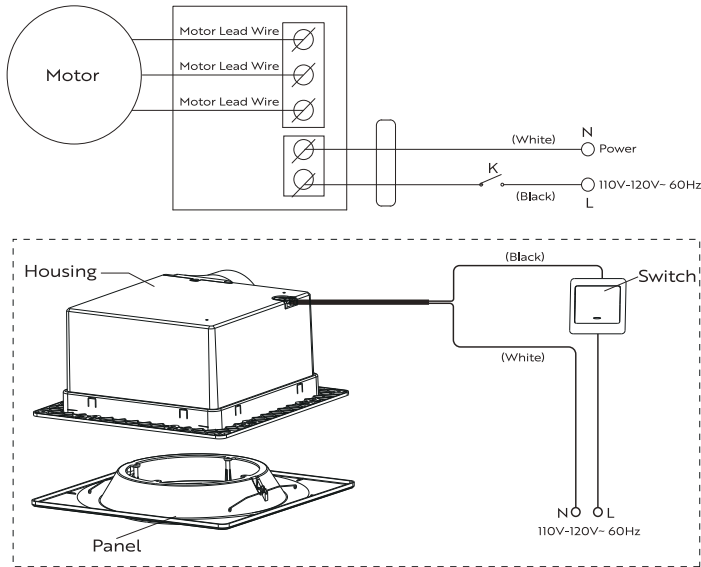
N

White

L

Black

Wiring Diagram



This unit is double insulated and does not require grounding.

PLANNING INSTALLATION



WARNING

- Turn off power at the breaker box before beginning any installation work.



NOTES

- Some installation tools may not be included. Additional supplies can be found at your local hardware store.
- Carefully remove the unit from the packaging and verify that all components are included.
- Check that the motor operates normally by briefly testing the power before installation.



BEFORE YOU START

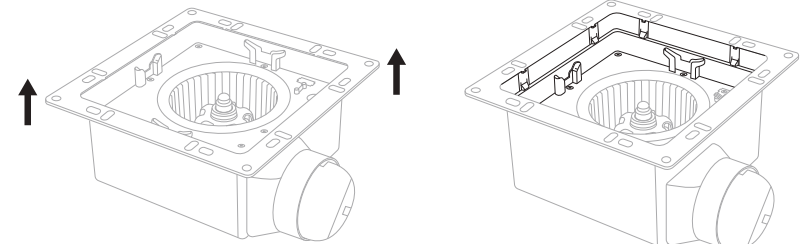
- Confirm that the area above the installation location provides enough space for wiring, ductwork, and proper ventilation.
- Inspect existing ductwork and wiring to ensure they are in good condition before proceeding.
- Choose an installation location that will allow easy access for future maintenance or inspections—without removing the entire fan.
- **Before installation, lift the housing and firmly snap the outer frame buckle into the groove.**



After receiving the product, please check whether the accessories are complete, and test the power to ensure the motor operates normally. Once everything is confirmed to be in order, you may proceed with the installation.

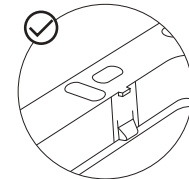
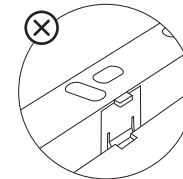


Before installation please lift the housing and firmly snap the outer frame buckle into the groove.

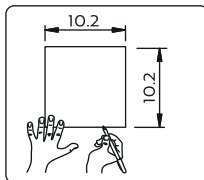


Before Lifting

After Lifting



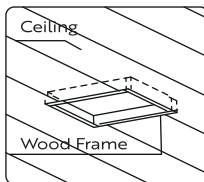
Exhaust Fan Installation Guide



Step 1 – Prepare the Installation Opening

The recommended opening size for this fan is **10.2" × 10.2"**.

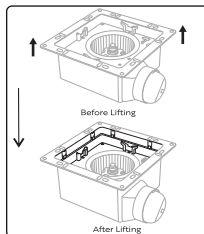
Use the provided **template** or a **measuring tool** to check whether the existing opening is suitable for installation.



If there is **no existing opening** or the opening is **too small**, trace the outline of the provided template onto the ceiling or wall surface.

Then, use appropriate cutting tools to create an opening that matches the required dimensions.

If the opening is a bit large, use the provided wooden strips to secure and adjust the fit. If the opening is too large, contact customer service.

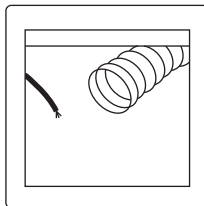


Step 2 – Expand the Housing

Pull up on the **top edge of the fan housing** until you hear a clear "click" sound.

This indicates that the **outer frame buckle** has securely snapped into the **groove inside the housing**. Don't press the center.

(If the housing has already been expanded, skip this step.)



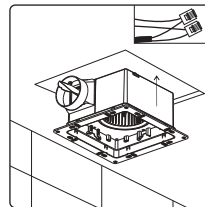
Step 3 – Set Up the Ventilation Duct and Power Cord

Prepare the **ventilation duct** and **power cord**.

Connect the duct firmly to the **fan's air outlet**.

Arrange the reserved power cable properly within the **ceiling cavity** for easy wiring later.

Make sure all connections are secure and free of obstructions.



Step 4 – Connect Power and Position the Fan

Connect the **fan's power cord** to the control switch as shown in the wiring diagram.

After the duct and power are connected, carefully lift the fan unit and place it into the **ceiling opening**.

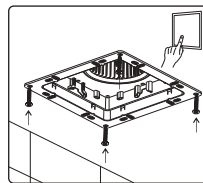
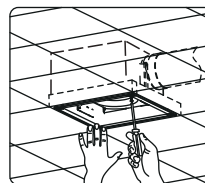
⚠ WARNING:

If you are **not familiar with electrical wiring**, please hire a **qualified electrician** to complete this step.

⚠ Important – Test Before Final Installation

Before securing the fan permanently, **turn on the power briefly** to confirm the fan operates properly. Ensure the motor runs smoothly and the airflow direction is correct.

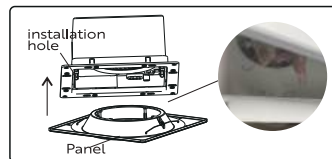
If the fan does not operate normally, **disconnect the power immediately** and recheck all wiring connections.



Step 5 – Secure the Fan

Use the **provided screws** to fasten the fan housing securely to the ceiling structure.

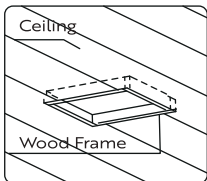
Once fixed in place, **restore power** and perform a brief **function test** to ensure the fan operates normally.



Step 6 – Attach the Decorative Panel

Hold the **spring clips** on both sides of the panel and align them with the **mounting slots** on the fan unit.

Once aligned, push the panel upward firmly until it snaps securely into place. Ensure the panel sits flush against the ceiling surface.



NOTE

If you are concerned about the stability of the exhaust fan installation or the load-bearing capacity of the ceiling, you may add this step after Step 1.

Installation Complete!

Your ventilation fan is now ready for use.

For optimal performance, clean the grille and check the duct connection periodically.

SECTION F

Ventilation Fan Operation



1. Turning the Fan On

Flip the wall switch to the **ON** position to activate the fan.



2. Turning the Fan Off

Flip the wall switch to the **OFF** position to turn the fan off.



NOTES

The humidity sensor is **not manually adjustable**. The fan will automatically regulate its airflow based on the surrounding humidity level.

Holding a tissue near the grille is **not a reliable test** of airflow.

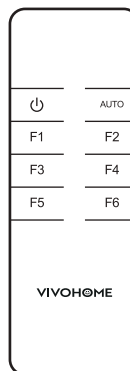
If the fan clears steam within approximately **15 minutes after a shower**, it is operating correctly.

SECTION G

Remote Control Operation



Host Power-On & Pairing



(1) " " Power-Off Key

When the exhaust fan is operating, press this key to turn it off. This key provides shutdown only and cannot turn the fan on.

(2) "AUTO" Auto Humidity-Sensing Mode

When enabled, the fan automatically adjusts its speed based on ambient humidity and continues running accordingly.

(3) Manual Fan Speed Control (F1-F6)

In Manual Mode, six fan speeds are available:

- F1 — Energy-saving mode (approx. 30 CFM)
- F6 — Maximum airflow (approx. 160 CFM)

Press the corresponding key to activate and set the fan speed. To turn the fan off, use the Power-Off Key.

NOTES

1. Startup Mode

After powering on, the unit defaults to Auto Humidity-Sensing Mode.

2. Buzzer On/Off

Press and hold the Auto key for 3 seconds

→ Three short beeps "Beep Beep Beep" = Buzzer Off

Press again and hold for 3 seconds

→ One long beep "Beeeeep" = Buzzer On

(Factory default: Buzzer On)

3. Remote Pairing

The remote is paired at the factory and ready for use.

If you replace it with a new remote, follow these steps:

- Power on the exhaust fan. During the 30-second pairing window, the unit emits one long beep "Beeeeep."
- Press the Pairing Key on the new remote five times quickly.
- The unit will emit another long beep "Beeeeep," indicating successful pairing.

Once paired, the remote retains its pairing information even after power loss — no re-pairing needed.

Mode	Condition / Speed Level	Operating Mode	Airflow (CFM)
Auto (Humidity Sensor Mode)	R≤50%	Quiet Mode	50 CFM
	50% < R≤80%	Normal Mode	110 CFM
	R≥80%	Storm Mode	160 CFM
Manual Mode	F1	Quiet Mode	30 CFM
	F2	Quiet Mode	50 CFM
	F3	Normal Mode	90 CFM
	F4	Normal Mode	110 CFM
	F5	Storm Mode	120 CFM
	F6	Storm Mode	160 CFM



Problem	Possible Cause	Solution
The fan is louder than expected	Damper damaged or stuck	Check if the damper opens/closes smoothly; contact support if damaged.
	The duct is sharply bent near the fan's outlet	Avoid bending the duct until at least 18 inches away from the outlet
	The fan outlet is reduced to fit a smaller duct	Use a duct size that matches the fan outlet
	The fan housing is not securely mounted	Make sure the fan is firmly attached to the ceiling joists.
The fan is not clearing the room	Insufficient airflow intake	Keep a door or window slightly open to allow fresh air to enter the room.
	CFM is too low for the room size	Ensure the fan's CFM rating is appropriate for the room's square footage.



1. I can't hear or feel the airflow from the fan. Is it working properly?

This exhaust fan operates very quietly and exhausts air outward, so you may not hear any sound or feel airflow by hand during normal operation.

To check if the fan is working:

- Hold a tissue near the exhaust vent (for reference only, not fully accurate).
- Switch the fan to High mode for testing.
- In Silent mode, if the fan reduces moisture within about 15 minutes, it is operating normally.

2. My previous fan opening is not 10.2 inches. Can this fan be installed?

This product fits an opening size of **10.2" × 10.2"** and has a panel size of **11.8" × 11.8"**.

If your opening is smaller than 10.2" × 10.2":

You can enlarge it using the included template. As long as the opening is **between 10.2" and 11.8"**, the fan can be installed (wood strips can be used for reinforcement if needed).

If your opening is larger than 11.8" × 11.8":

Installation is not recommended.

3. The remote control is not working. What should I do?

Try the following steps:

- Replace the batteries if they are dead.
- Re-pair the remote with the fan if it has lost connection.
- If the remote is still not working, contact us for a replacement.

4. The fan seems to spin in reverse when powered on, and I don't feel airflow. Is this normal?

Yes, this is normal.

This fan uses a DC motor, which may briefly spin in reverse for **1–2 seconds** when it is first powered on. It will automatically switch to the correct direction. The initial reverse motion may appear more noticeable due to visual perception.

Also, since this is an exhaust fan, airflow is mainly felt at the exhaust vent—not near the fan blades.



1. Read all instructions and safety warnings before beginning installation. Review the exploded view diagram provided.
2. Disconnect power at the circuit breaker or by removing the fuse before performing any electrical work. This ensures full disconnection from the power supply.
3. All electrical work must be performed by a licensed and qualified electrician.
4. Use common sense and exercise caution throughout the installation and operation of this product.
5. This product is not intended for use by individuals (including children) with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, unless they are supervised or instructed by a person responsible for their safety.
6. Children must be supervised to ensure they do not play with the appliance.
7. Use a power cord rated for at least 10 amps.
8. Do not cut or notch joists, beams, or rafters to install the fan.
9. Be careful not to damage hidden electrical wiring or plumbing when cutting into the ceiling.
10. Install the fan so that switches and controls are out of reach of anyone using a bath or shower.
11. Do not install the fan directly above a shower or bathtub, or in any location where it could be splashed with water.
12. After installation, verify that all connections are secure to prevent the unit from falling and causing injury or property damage.
13. Do not insert objects through the fascia grille.
14. If the power cord is damaged, it must be replaced by the manufacturer, their service agent, or a qualified electrician using only manufacturer-approved parts.
15. Do not install or use the fan outdoors or in any area where it could be exposed to water or moisture. Indoor use only.
16. The fan should be mounted at least 2.3 meters (7.5 feet) above the floor.
17. A multi-pole switch is required for installation. The gap between contacts must be at least 3 mm.
18. Use vent covers to prevent the entry of water or insects into the ducting system.



1. Turn off the power before performing any maintenance.
2. Remove the louver, cover, and fan blade. Clean these parts with water and a brush. Use a soft cloth and a mild detergent to wipe off grease.
Do not use water over 60°C (140°F), petroleum-based products, benzene, thinner, or any other harsh solvents.
Important: Do not allow water to enter the motor.
3. Dry all cleaned parts thoroughly using a soft dry cloth or allow them to air dry completely. Reassemble all parts in the reverse order of removal.
4. During the warranty period, if the fan malfunctions due to manufacturing defects under normal use, it will be repaired or replaced free of charge.
5. After the warranty period, repair services are not provided, but you may contact our customer support team for maintenance advice.
6. The warranty does not cover the following cases:
 - Use of non-original or third-party replacement parts.
 - Malfunctions caused by incorrect operation, improper maintenance, unauthorized repair, force majeure events, or other external factors.



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, Amazon, 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.

SECTION N

Cautions



Any Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.