

Safety Warnings



READ AND SAVE THESE INSTRUCTIONS.

Ensure your power source conforms to the electrical requirements of this product.

1. Read all instructions before installing and using this product.
2. This appliance may have a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.
3. This product employs overload protection (fuse). A blown fuse indicates an overload or short-circuit situation. If the fuse blows, unplug the product from the outlet. Replace the fuse as per the user servicing instructions (follow product marking for proper fuse rating) and check the product. If the replacement fuse blows, a short-circuit may be present and the product should be discarded or returned to an authorized service facility for examination and/or repair.
4. Check your local code restrictions for additional safety measures that may be needed for a proper code-compliant installation.
5. If you are unfamiliar or have doubts about performing this product's installation, seek the services of a qualified, trained, and licensed professional. Inappropriate installation will void this product's warranty.
6. **WARNING** - To reduce the risk of fire, electric shock or injury to persons, do not use replacement parts that have not been recommended by the manufacturer (e.g. parts made at home using a 3D printer).
7. This product must not be used in potentially hazardous locations such as flammable, explosive, chemical-laden, or wet atmospheres.
8. Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
9. This product has rotating parts. Safety precautions should be exercised during the installation, operation, and maintenance of this product. After switching off, wait until all moving parts have come to a complete stop before servicing or cleaning.
10. Do not insert or allow fingers or foreign objects to enter any ventilation or exhaust openings as it may cause electric shock, fire, or damage to this product. Do not block or tamper with this product in any manner while it is in operation. Do not cover or obstruct airflow openings during operation.
11. Do not depend on the on/off programming as the sole means of shutting power from this product. Unplug the power cord before installing, servicing, or moving this product. Servicing or internal repairs must only be carried out by qualified personnel.
12. 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.
13. This product is intended solely for indoor air ventilation and exhaust applications. Do not use it outdoors or for any other purpose.

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Safety Warnings



14. Keep this product out of reach of children and pets. This appliance is not intended for use by persons with reduced physical, sensory, or mental capabilities without supervision.
15. Do not dispose of this product with household waste. Dispose of it at an appropriate collection point for recycling electrical and electronic equipment, in accordance with Directive 2012/19/EU (WEEE).
16. This product complies with the essential requirements of Directive 2014/30/EU (EMC) and Directive 2014/35/EU (Low Voltage).

Manufacturer: AC Infinity Inc., 21880 Baker Parkway, City of Industry, CA 91789 USA

EU Representative: THEMIS AR Unterstützung UG (haftungsbeschränkt), Beedstrasse 54, 40468 Düsseldorf, Germany, legal@themisar.com

EU Conformity: CE / RoHS / WEEE / LVD / EMC (as applicable)

FCC Compliance

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Safety Warnings



Transmitter Information

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.
3. The device meets the exemption from the routine evaluation limits in issue 6 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

FR: L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage.
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
3. Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la numéro 6 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

Battery Information

Battery Type: CR2032

Voltage: 3V



1. Immediately recycle and dispose of used batteries according to local regulations and keep away from children. DO NOT incinerate or dispose of batteries in a household bin.
2. Improper use of batteries may cause severe injury or death.
3. Contact a local poison control center for treatment information.
4. Non-rechargeable batteries must not be recharged.
5. Do not force discharge, recharge, disassemble, heat up, or incinerate used batteries. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.
6. This product contains non-replaceable batteries.

Product Contents



THROUGH-WALL FAN
(x1)



REAR FACEPLATE
(x1)



REMOTE CONTROLLER
(x1)



AAA BATTERIES
(x2)



QUICK CONNECT TERMINAL
(x2)



FRONT FACEPLATE STENCIL
(x1)



REAR FACEPLATE STENCIL
(x1)



WOOD SCREWS (WALL HANG)
(x8)



WIRE TIE
(x1)

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Installation

Step 1

Determine your desired mounting location free of obstruction (studs, waterlines, electrical cords, etc.). Make sure this mounting location is 3.5 to 6 inches thick.

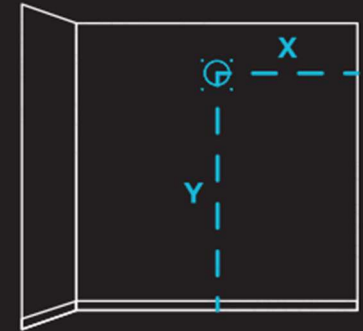
Mark the center point, mounting points, and cylinder outline using the rear faceplate stencil.



Step 2

From the center point, measure the length to the end of your wall (X) and the height to the floor (Y).

Keep these measurements for step 5.



Step 3

Drill the mounting holes into your wall.

Cut the circular outline to create the opening. Use of a saw is recommended.



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Installation

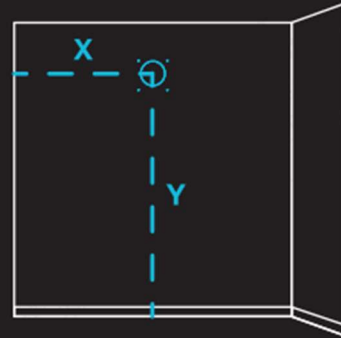
Step 4

Secure the included anchors into the mounting holes.



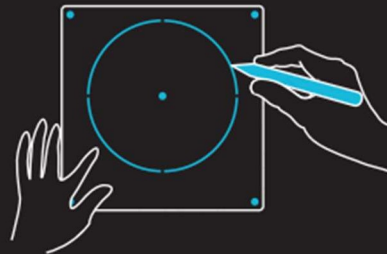
Step 5

Mark the center point of the front faceplate stencil on the other side of your wall using the length (X) and height (Y) measurements from step 2.



Step 6

Place the stencil over the center point and mark the mounting points and cylinder outline.



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Installation

Step 7

Drill the mounting holes into your wall.



Cut the circular outline to create the opening. Use of a saw is recommended.

Step 8

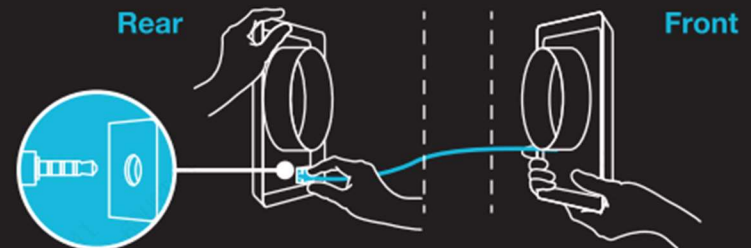
Secure the included anchors into the mounting holes.



Steps 9-12 require two people.

Step 9

With one person holding the front plate on one side of the wall, and another holding the rear plate on the other side, route the sensor cord through the cutouts and connect it to the rear plate.

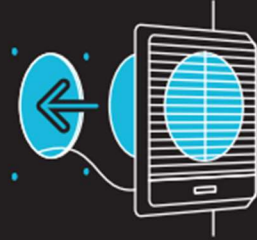


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Installation

Step 10

Insert the rear faceplate into the circular cutout, making sure the mounting holes line up.



Step 11

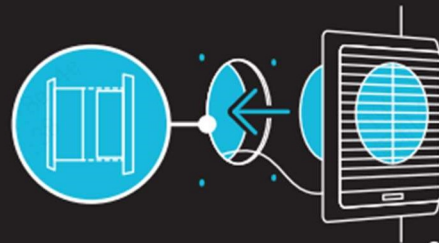
Unscrew the drill hole caps and then drill the wood screws into the anchors to secure the rear faceplate.



Step 12

Insert the front faceplate into the circular cutout, making sure the mounting holes line up.

Its cylinder should easily slide into the rear faceplate's cylinder.



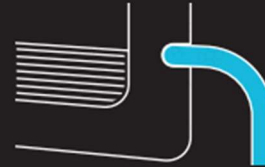
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Installation

Step 13

Route the power cord through the opening on the lower right corner so the front faceplate is flush against the wall.

You may instead hardwire your fan for a cordless appearance. See the Hardwiring section for instructions.



Step 15

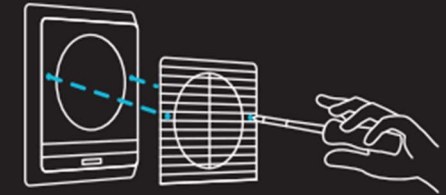
Drill the wood screws into the anchors to secure the front faceplate. Screw the front grille back onto the front faceplate.



Step 14

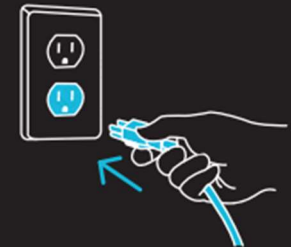
Unscrew the front grille to access the drill holes.

Do not lose the screws!



Step 16

Plug the AC power cord into a wall outlet to power your fan.



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Hardwiring

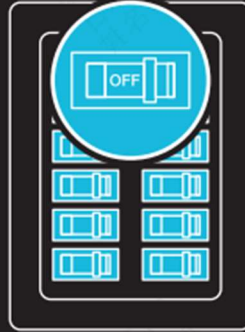
Power from all sources involved in these steps must be completely shut before proceeding.

Step 1

If your fan is plugged in, make sure to unplug it from its power socket.

Always grip the plug head when unplugging from a receptacle or other outlet device. Do not pull on the cord to disconnect.

Locate your home's main electrical panel and flip your room's circuit breaker to OFF.



Step 2

Use a non-contact voltage tester (not included) to confirm that electricity is fully depleted from your wires.

Proceed only if the tester shows no current.

If you are unfamiliar or have doubts about performing this step, seek the services of a qualified, trained, and licensed professional. See the Safety Warnings section for additional product warnings and safety guidelines.



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Hardwiring

Step 3

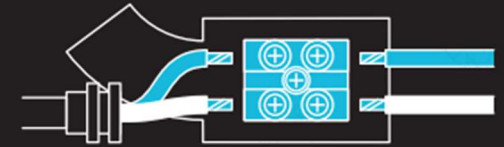
Unscrew the top left panel on the front faceplate to access the power cord wires.



Step 4

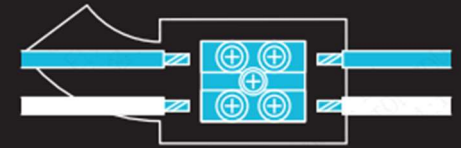
Unscrew the bolts to release the power cord wires.

Remove the wires from your fan's junction box.



Step 5 — Option 1

Route your house's wires into the fan's junction box, making sure the correct wires are inserted into each rail.



Screw in the bolts to secure the wires and the panel over the junction box.

Your fan's live wire is black, and the neutral wire is gray.

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Hardwiring

Step 5 – Option 2

Take the neutral wires and twist the copper strands into one. Your fan's neutral wire is gray.

Insert the connected copper wires into one of the quick connect terminals until it fits into the spring.

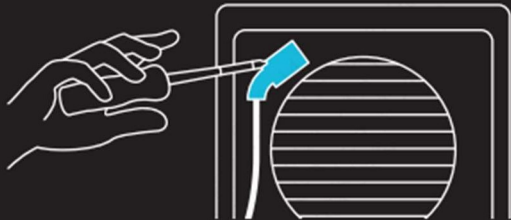
Twist the terminal to secure the connection.

Repeat this step for the live wires. Your fan's live wire is black.



Step 6

Place the connections into the panel box and screw it closed before installing your fan into the wall.

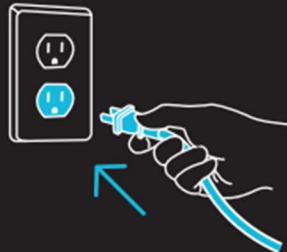


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Cleaning

Step 1

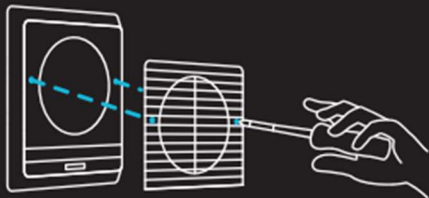
Unplug your fan or locate your home's main electrical panel and flip your room's circuit breaker to OFF.



Step 2

Unscrew the front grille.

Do not lose the screws!



Step 3

Use a damp cloth to wipe the grille and fan blades of any dust or debris.

Let dry and then replace the front grille to finish.



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Programming Onboard



1. Power Button

Turns your fan ON/OFF. First-time use defaults to level 1; subsequent uses restore the previous setting.

2. Fan Mode Button

Cycles through your fan's speed levels 1-10. Press the button to increase the level by one. Cycling past 10 will return to level 1. Use this mode to set the fan level used in all other modes.

3. Temp. Trigger Mode

Increases the target setting for the high-temperature trigger. Your fan will activate if the probe's reading meets or exceeds this threshold.

4. AI Balance Mode

Increases the temperature difference threshold. Press the button to increase the temperature by one degree. Cycling past 10° will return to 1°. When active, the system will automatically adjust airflow direction and fan speed to help stabilize room temperatures.

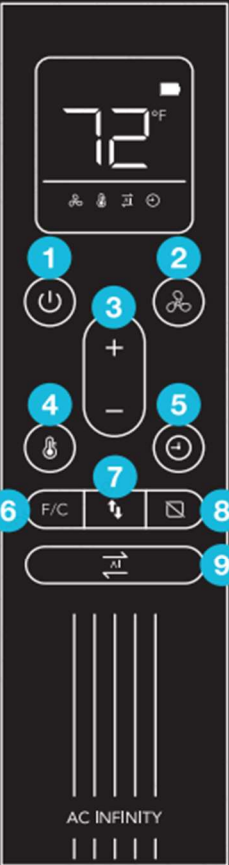
5. Timer To OFF

Cycles through the following timer intervals: 15 min, 30 min, 1 h, 2 h, 4 h, 6 h, 8 h. Your fan will turn off at the end of the countdown.

6. Airflow Direction

Switches the airflow direction between intake (IN) and exhaust (OU). First-time use defaults to intake; subsequent uses restore the previous setting.

Programming Remote



1. Power Button

Turns your fan ON/OFF. First-time use defaults to level 1; subsequent uses restore the previous setting.

2. Fan Mode

Turns fan mode ON/OFF.

3. Level Button

Increases and decreases your current mode's setting.

4. Temp. Trigger Mode

Turns temperature mode ON/OFF.

5. Timer Mode

Turns timer mode ON/OFF.

6. Temperature Setting

Switches between Fahrenheit and Celsius.

7. Airflow Direction

Switches the airflow direction between intake (IN) and exhaust (OU). First-time use defaults to intake; subsequent uses restore the previous setting.

8. Hide Display

Turns the display ON/OFF.

9. AI Setting

Turns the AI setting ON/OFF. Use the level button to increase or decrease the temperature difference threshold. When active, the system will automatically adjust airflow direction and fan speed to help stabilize room temperatures.

Programming

Other Settings

Pairing to the App

Hold the power button for 5 seconds to pair your fan to the AC Infinity app.

HOLD



Factory Reset

Hold the power and fan buttons together for 3 seconds to reset your fan and restore factory settings.

HOLD



Mute Sound

Hold the power and timer buttons together for 2 seconds to mute/unmute sound.

HOLD



Room Temperature Display

Hold the AI button for 3 seconds to view the other room's sensor reading.

HOLD



Hide Display (Onboard)

Hold the timer button for 3 seconds to hide the display. Press any button other than the power button to turn the display back on.

HOLD



AC Infinity App

To unlock advanced features, download the AC Infinity app and make sure your device is plugged in and powered on. Logging in or creating an account beforehand will expedite the pairing process. Have your Wi-Fi network's name and password ready.

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More Information

Programming



For in-depth programming instructions, scan this QR code to view a digital manual.

Warranty

Our warranty program is our commitment to you, the original customer, that product sold by AC Infinity Inc. Will be free from defects for TWO YEARS from the date of purchase. If you have any issues with this product, contact us and we'll happily resolve your problem or issue a full refund!



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MODELS: AC-TWT8

THROUGH-WALL FAN

Quick Start Guide

AC INFINITY