AIRBRICK
User Manual

AIRBRICK

Welcome

Thank you for choosing AIRBRICK! We are thrilled that you have chosen our register booster fan to improve the airflow in your home. Our team at AIRBRICK is dedicated to providing high-quality products and excellent customer service to ensure that you have the best possible experience with our products. If you have any questions or concerns, please don't hesitate to contact us at **support@airbrick.us** or visit our website **www.airbrick.us**

Product	Model	UPC
AIRBRICK 410, White, 4" x 10"	AB-410-w	197644556625
AIRBRICK 410, Brown, 4" x 10"	AB-410-b	197644675272

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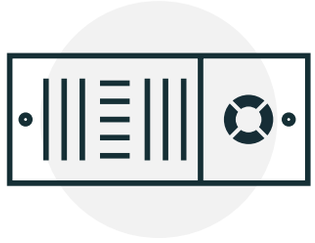
Safety Instructions

Before using the AIRBRICK register booster fan, please read and understand all safety instructions to ensure the safe and proper use of the product. Failure to follow these instructions may result in injury or damage to the device.

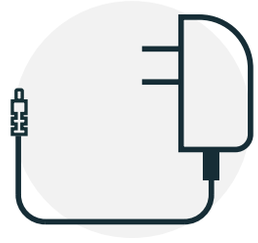
1. Use the AIRBRICK register booster fan only as described in this user manual. Do not modify or attempt to repair the device.
2. Keep the device out of reach of children and pets. Use zip ties to prevent the cord from wrapping around the neck and causing suffocation.
3. Do not use the device in areas exposed to water or moisture.
4. Do not use the device with damaged cords or plugs.
5. Do not place the device on soft surfaces, such as carpets or bedding, as this may block the airflow and cause the device to overheat.
6. Do not operate the device with wet hands or in damp conditions.
7. Always unplug the device before cleaning or moving it.
8. Do not use the device near flammable materials or in hazardous areas.
9. Secure the long cord properly to prevent tripping or falling hazards.
10. If you detect any damage or abnormal operation of the device, stop using it immediately and contact AIRBRICK support at **support@airbrick.us**

We highly recommend you read these safety instructions before operating your AIRBRICK register booster fan.

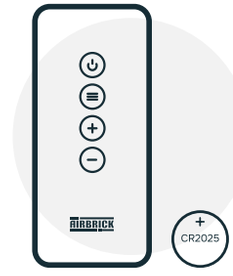
Package contents



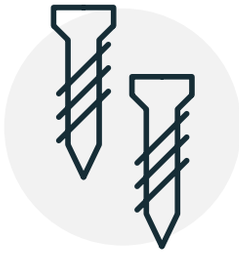
AIRBRICK register booster fan



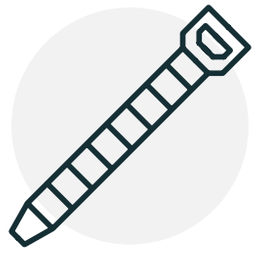
Power Adaptor



Infrared Remote Control
(CR2025 battery included)



Two (2) Screws for Mounting



Zip Tie for Cable Management

User Manual

Please make sure to check that all items are included before use.

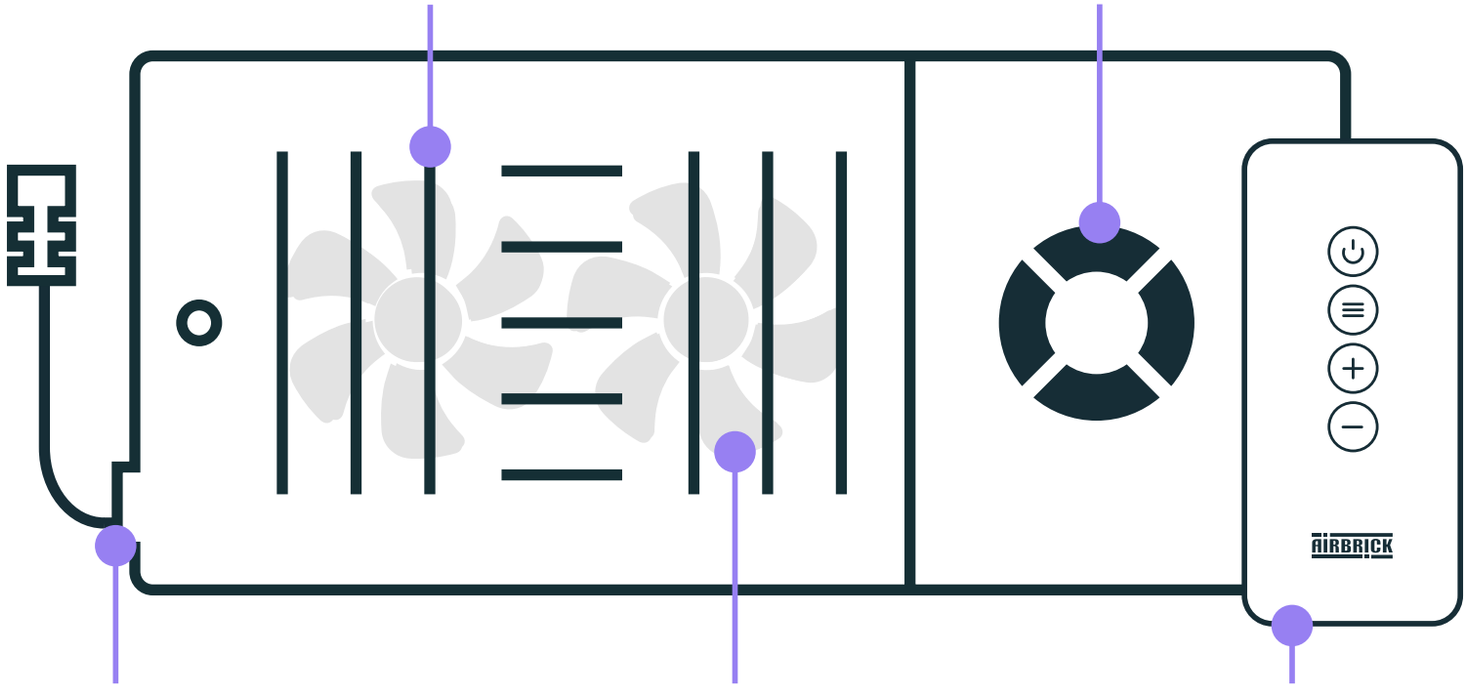
Product Features

Aluminum Front Grill:

The AIRBRICK register booster fan features a sleek and modern design with a 3-way aluminum front grill, making it a stylish addition to any room.

Intelligent Thermostat System:

Our fan comes equipped with an intelligent thermostat system and a dimmable LCD display, allowing for effortless temperature control and energy savings.



Reversible Cable:

The fan also includes a reversible cable for flexible mounting options, making it easy to install on either the left or right side of the register.

Quiet and Efficient Fans:

Our expertly designed whisper-quiet fans are efficient and high-performing, ensuring optimal airflow and comfort.

Remote Control:

With the included IR remote control, you can easily adjust the fan settings from anywhere in the room, making it even more convenient to use.

Installation instructions

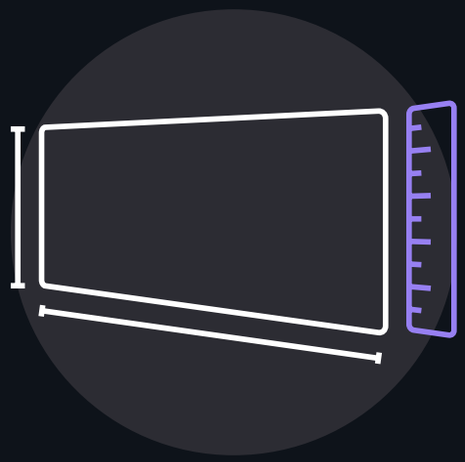
Step 1

Turn off your HVAC system before installation.

Step 2

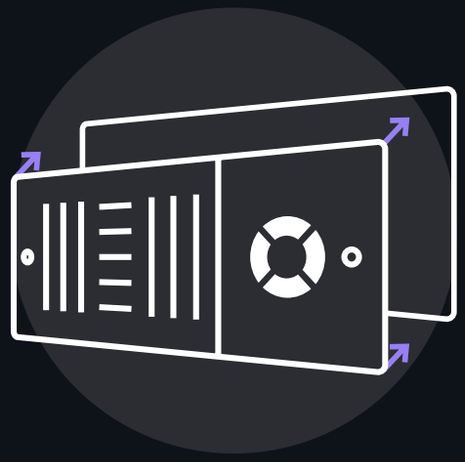
Remove the current register grill from the wall or floor.

Installation instructions



Step 3

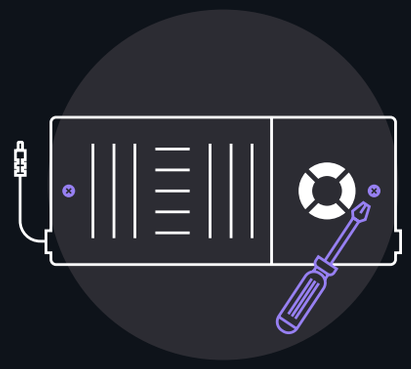
Check the register hole size to ensure it matches the dimensions of the AIRBRICK register booster fan (4 x 10 inches).



Step 4

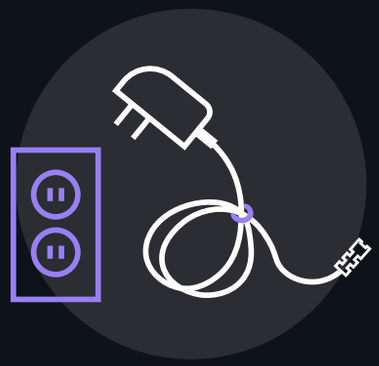
Insert the AIRBRICK into the register hole, ensuring a proper fit.

Installation instructions



Step 5

Secure the device in the register hole with the two screws provided in the package, or use the previous screws.



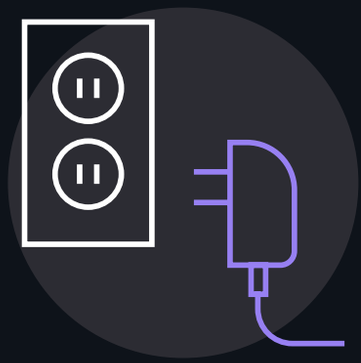
Step 6

Lay out the cable into the side nearest to the power outlet and use the zip tie to secure it.

Step 7

Plug the power adapter’s cord into the power receptacle of the AIRBRICK register booster fan.

Installation instructions



Step 8

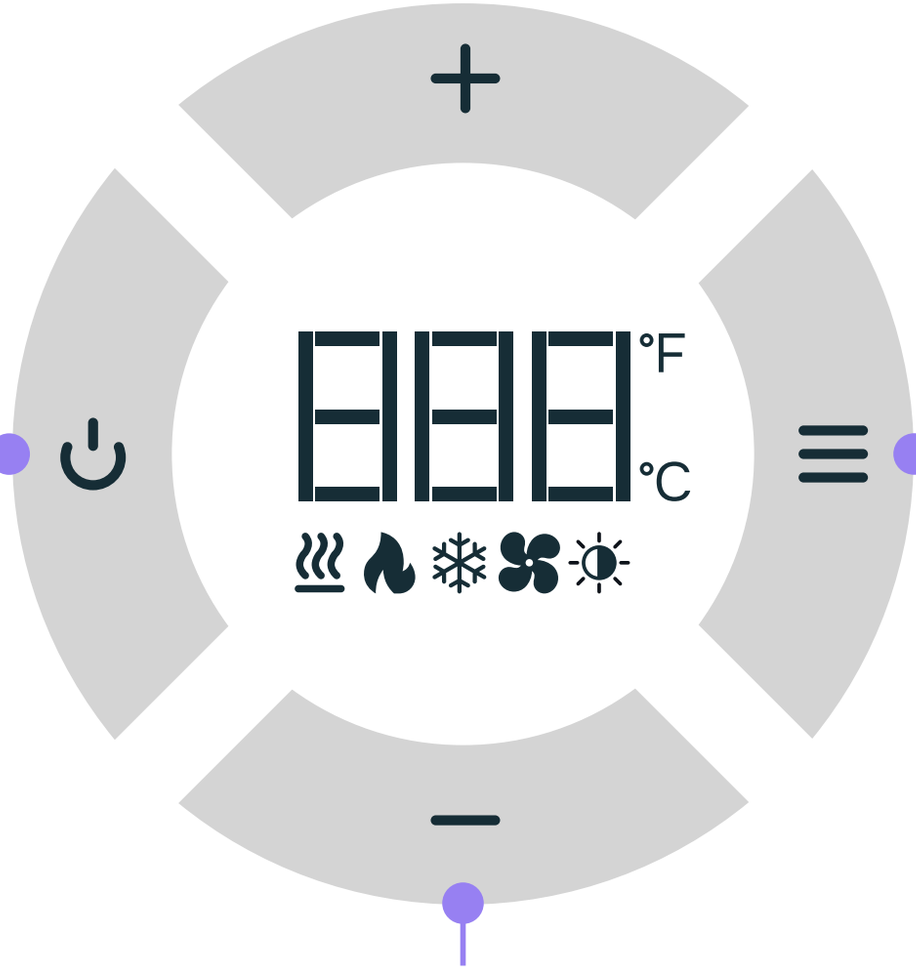
Plug the power adapter into an electrical outlet.

Step 9

Turn on your HVAC system and adjust the register booster fan settings if needed.

Note: Do not install the AIRBRICK register booster fan on the ceiling or in a location where it may come into contact with water or moisture.

AIRBRICK Controls



Power On/Off

The power button turns the fan on and off.

Mode button

Press this button to cycle through the different display modes on the LCD screen.

+/- adjust buttons

Use these buttons to adjust the settings for the selected mode.

LCD screen modes

Fahrenheit/Celsius

switch between temperature scales

Heating trigger

Displays the temperature that the fan will turn on when the heating system is running.

Fan speed

Displays the current fan speed, which can be adjusted using the +/- buttons.

Screen brightness

Displays the current screen brightness level, which can be adjusted using the +/- buttons.

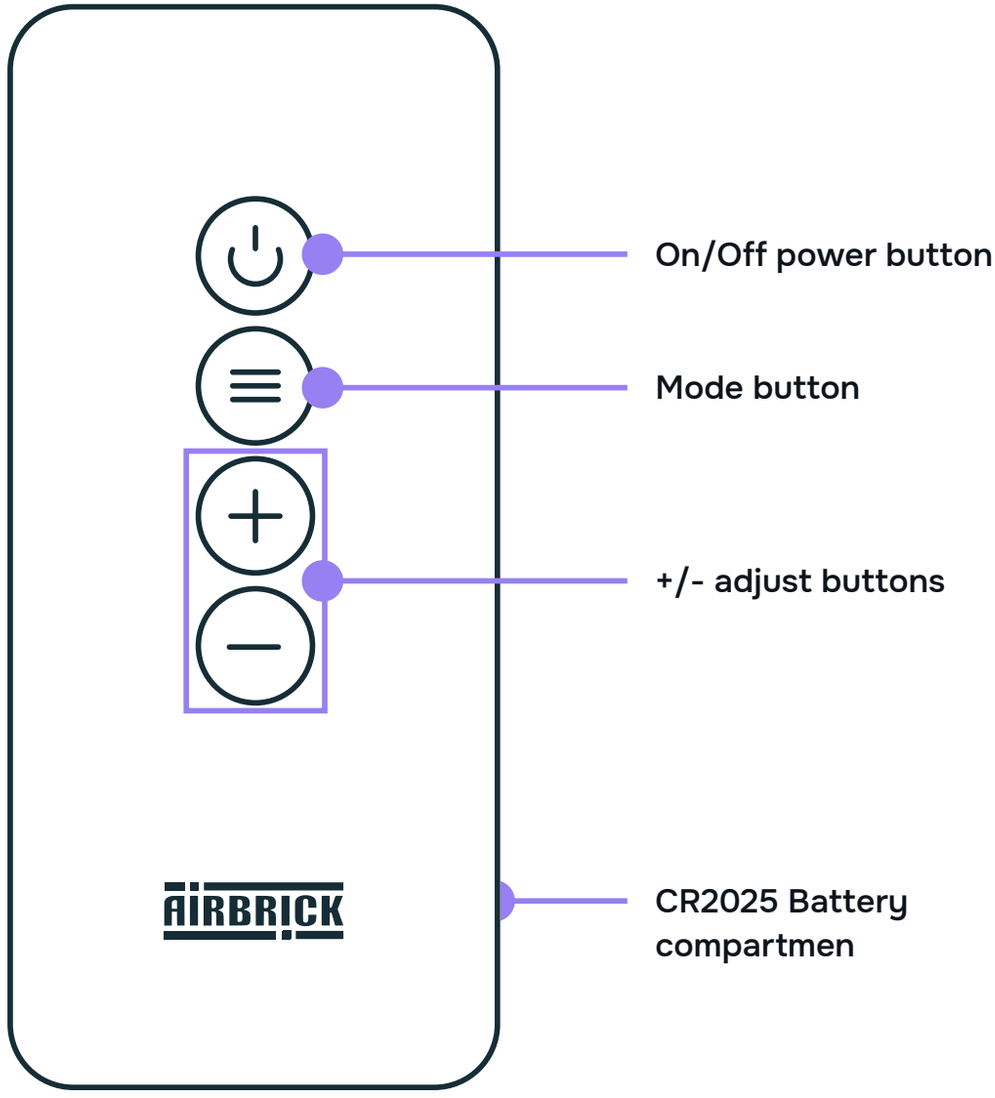
Current temperature

Displays the current temperature of the air flowing through the register.

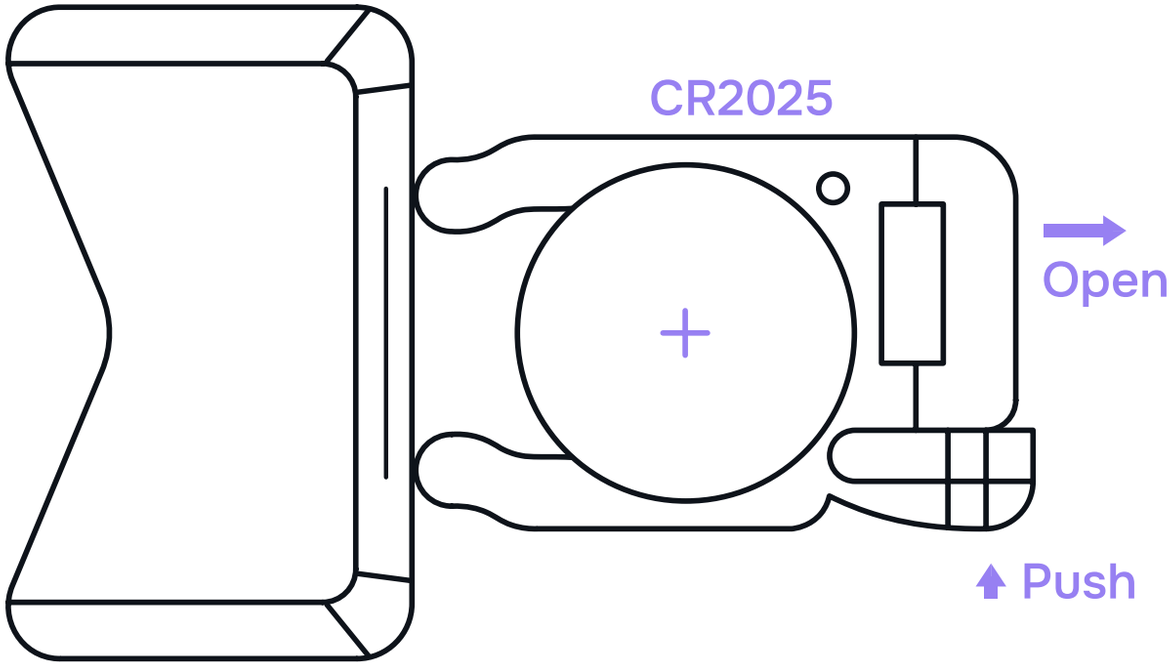
Cooling trigger

Displays the temperature that the fan will turn on when the air conditioning system is running.

Remote control



Battery installation



WARNING: To reduce the risk of fire, burn, or injury, use only the specified battery type for the remote control (CR2025). Use of an incorrect battery may present a risk of fire or explosion. Do not recharge, disassemble, or dispose of the battery in fire. Keep away from children. If swallowed, contact a physician immediately.

AIRBRICK Adjustment

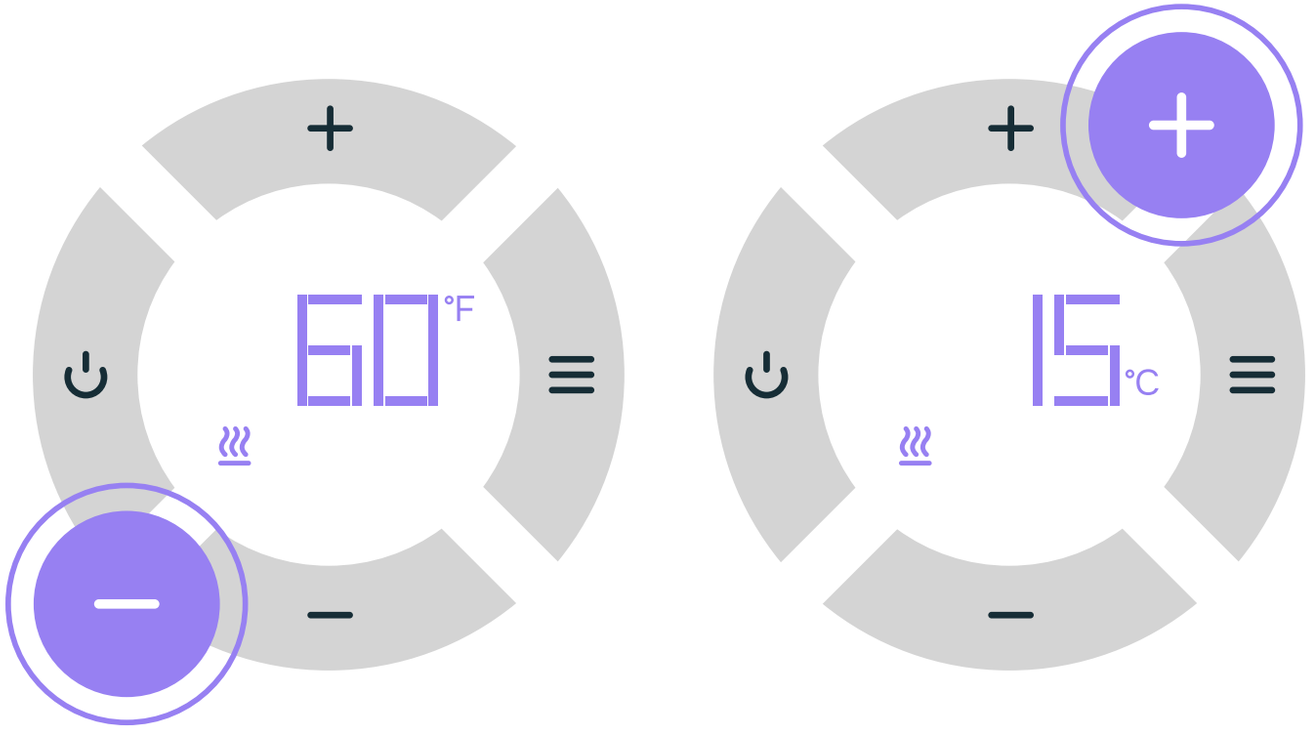
Boost your existing AC or heating system's airflow with AIRBRICK. Set the temperature points for fan activation when the airflow temperature goes below or above the cooling or heating trigger settings.

With 10 adjustable fan speeds, customize your desired airflow boosting, keeping in mind that faster fan speeds will create more noise.

Monitor your airflow temperature accurately by using our default screen display. Please note that our temperature display mode measures the airflow temperature, which is different from your AC or heater's thermostat reading.

Current Airflow Display

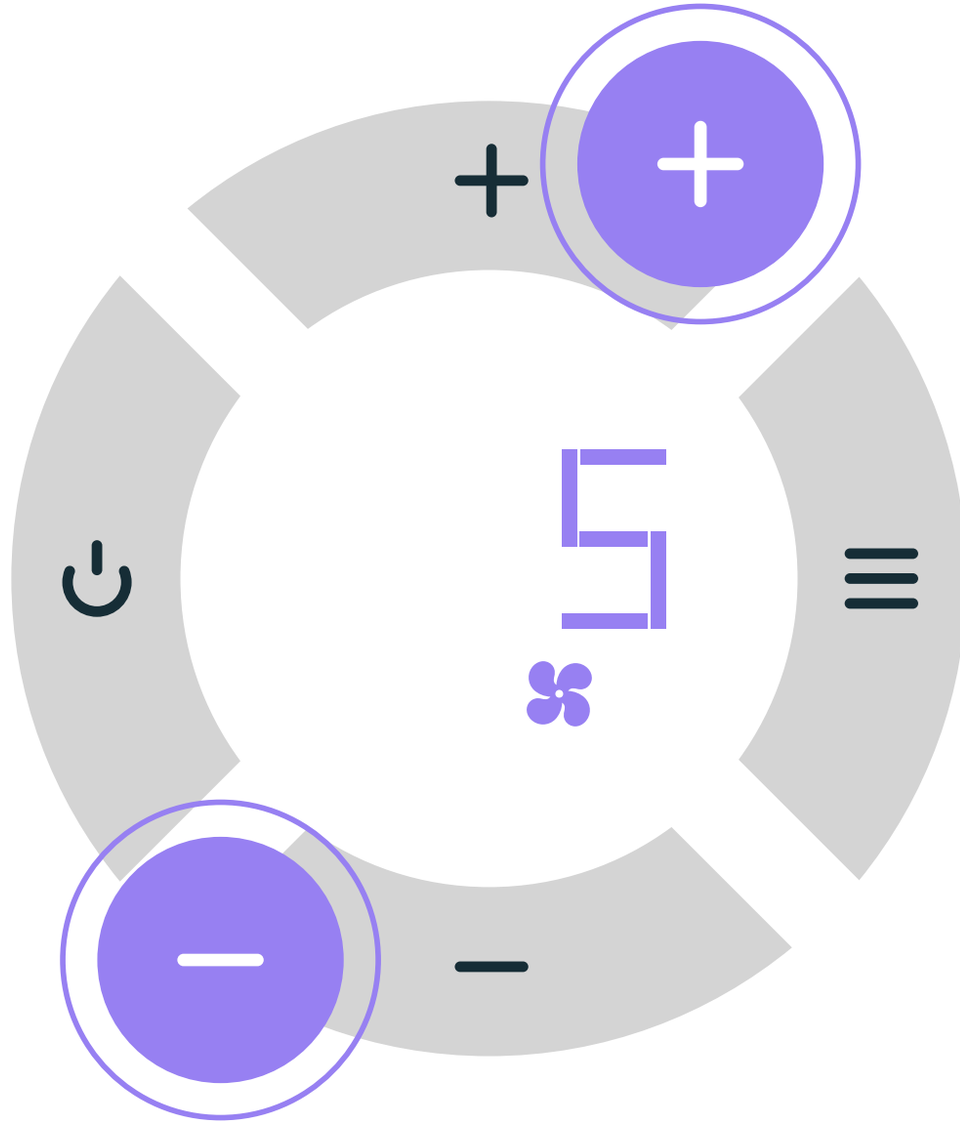
The Current Airflow screen displays the temperature in the duct measured by the temperature measuring sensor on the back panel. This temperature reading helps determine the baseline for heating and cooling triggers. Additionally, you can switch between Fahrenheit and Celsius by pressing the ⊕ and ⊖ buttons. To do so, simply press and hold either button until the screen changes units.



Fan Speed Adjustment

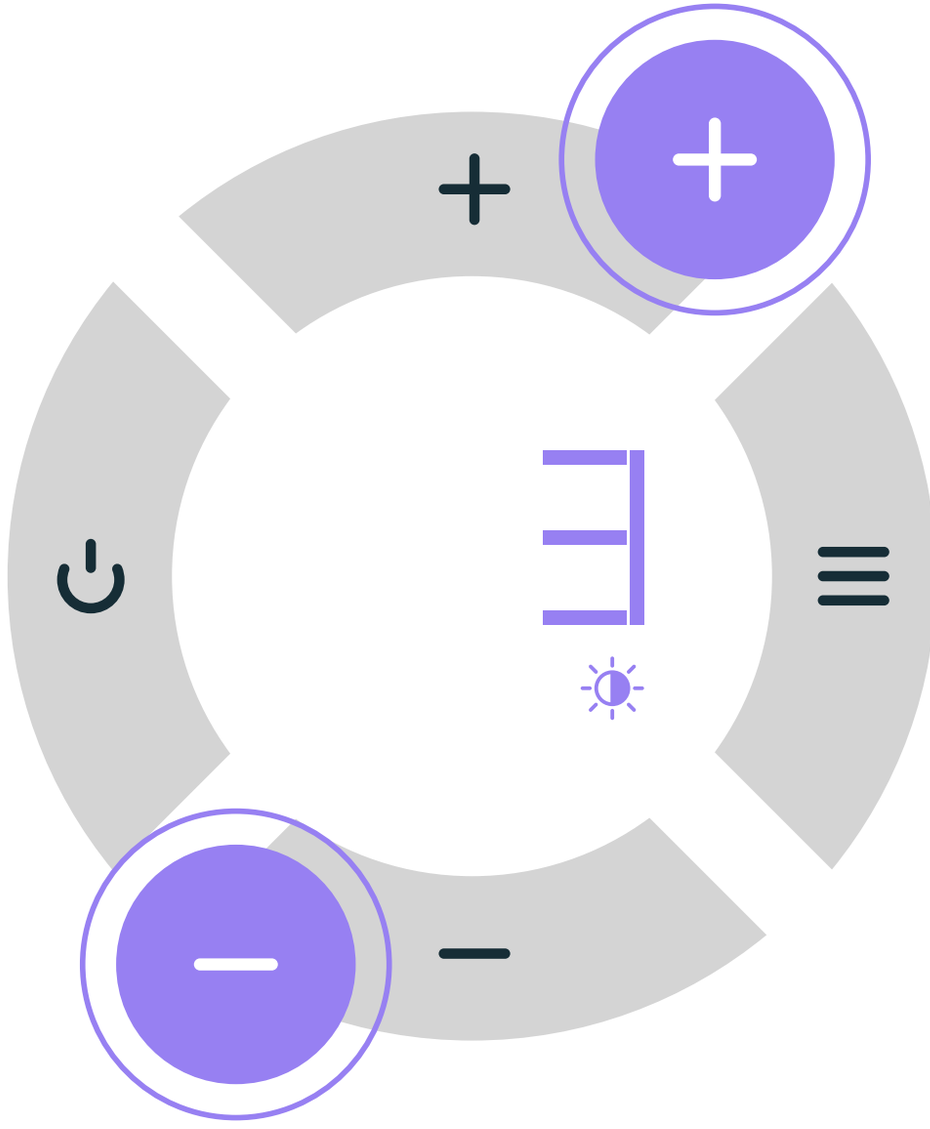
The AIRBRICK register booster fan has 10 fan speeds, ranging from 1 to 10.
The default fan speed is 5, and you can increase or decrease the fan speed by pressing the ⊕ and ⊖ button on the control panel.

Keep in mind that the higher the fan speed, the louder the noise level and the greater the boost to airflow.
It’s important to find the right balance between airflow and noise level that works best for your needs.

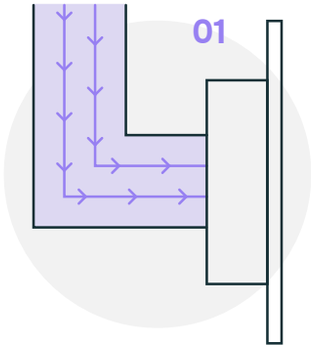


Brightness Adjustment

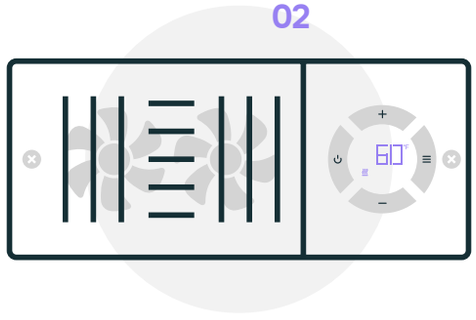
To adjust the brightness of the AIRBRICK display, press the Mode button to navigate to the Display Brightness screen. Here, you can choose from four different brightness levels, with level 3 being the brightest and 0 will turn off the screen. To turn on the screen press any button, it will return the brightness to level 3. Adjust the brightness to your personal preference for optimal viewing or turn the screen off completely.



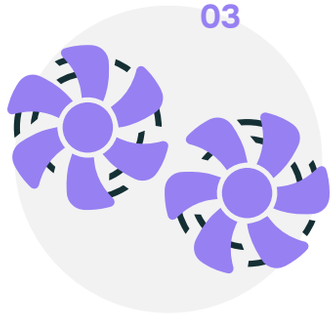
Out-of-the-Box Settings



HVAC turns on and air flows to the registers.

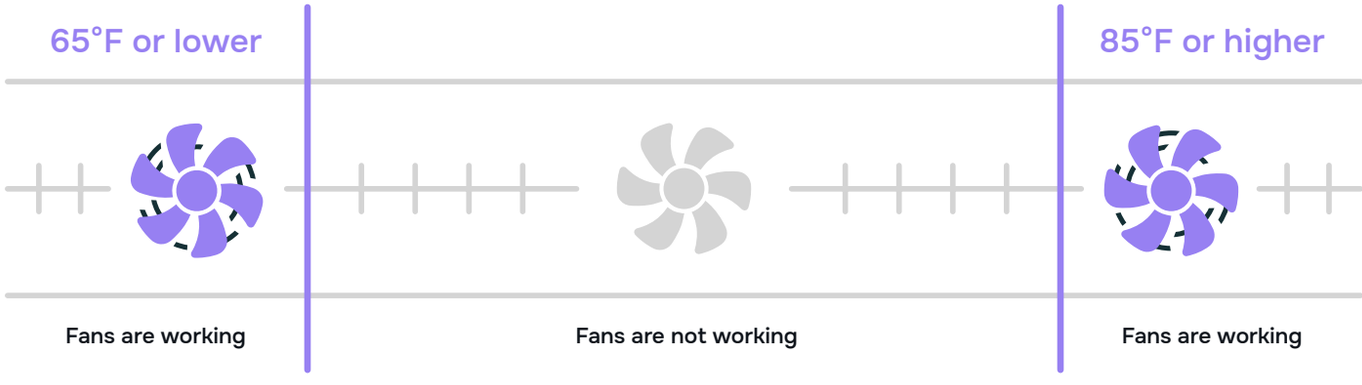


AIRBRICK detects the air temperature inside the duct.



Fans turn on when the temperature hits the trigger

(85˚F or higher, or 65˚F or lower by default).

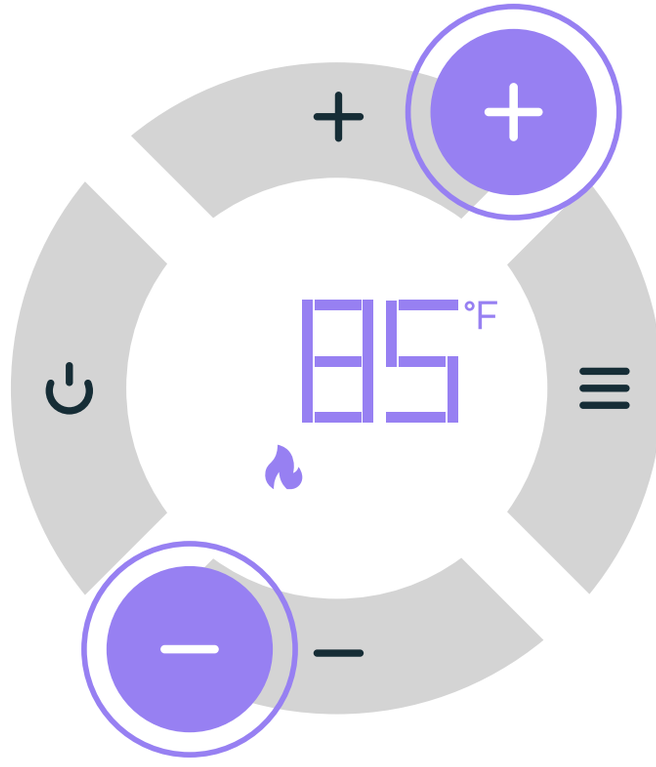


Heating Trigger Adjustment

The Heating Trigger mode is used to set a temperature threshold for the fans to activate. This is not the desired temperature you want for your room. It's the temperature that comes out from your register when the boost should start.

When the thermal sensor temperature is equal to or higher than the heating trigger temperature, the fans will turn on. Otherwise, the fans will remain off.
To set the heating trigger temperature, press the ⊕ and ⊖ buttons.

For proper calibration of the register booster fans, turn on your heater and wait for the thermal sensor temperature to stabilize. Set the heating trigger temperature to this number or a few degrees lower.

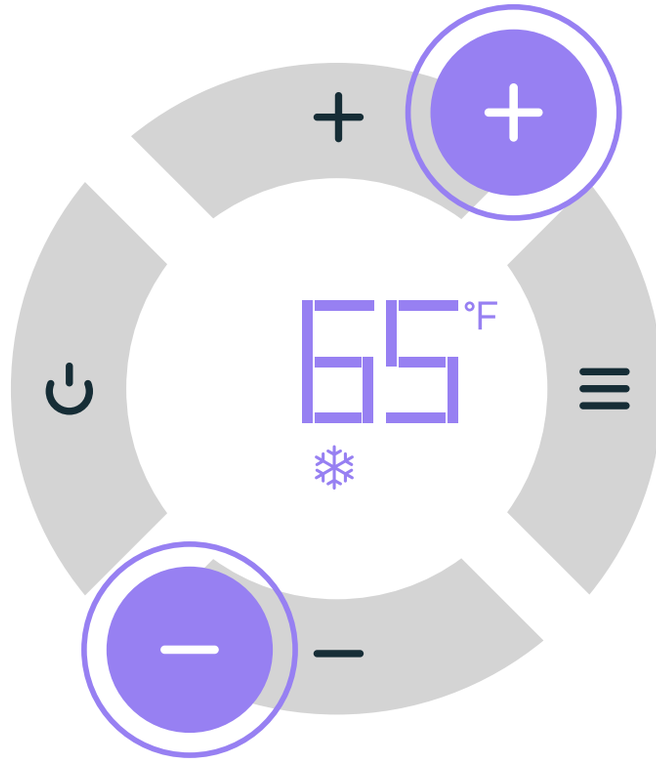


Cooling Trigger Adjustment

The Cooling Trigger mode is used to set a temperature threshold for the fans to activate. This is not the desired temperature you want for your room. It's the temperature that comes out from your register when the boost should start.

When the thermal sensor temperature is equal to or lower than the cooling trigger temperature, the fans will turn on. Otherwise, the fans will remain off.
To set the cooling trigger temperature, press the ⊕ and ⊖ buttons.

For proper calibration of the register booster fans, turn on your AC and wait for the thermal sensor temperature to stabilize. Set the cooling trigger temperature to this number or a few degrees higher.



FAQ

Q: What is the AIRBRICK register booster fan used for?

A: The AIRBRICK register booster fan is used by inserting it into the wall or floor register to boost the airflow and let more cooled or heated air in.

Q: Is it possible to disable one of the triggers to avoid any false triggering?

A: The triggers cannot be disabled, but you can adjust the triggering threshold to increase or decrease the sensitivity of the trigger. For instance, if the AIRBRICK is heat-triggered at 85F degrees on a hot summer day and blows hot air in, instead of waiting for the cooled AC flow, you can increase the heating trigger to 100 degrees to prevent unwanted heat.

Q: Is it possible to completely turn off the screen?

A: Yes, the screen can be dimmed to the lowest brightness level 1 or turned off completely (level 0). To turn the screen on - press any button on the device or remote to get back to brightness level 3.

Q: Can I use the same remote control for multiple AIRBRICK units installed in different rooms?

A: Yes, the AIRBRICK remote control can be used to operate all units (one-by-one) installed in different rooms.

Q: Does the AIRBRICK booster fan have a filter?

A: AIRBRICK register booster fan doesn’t have a filter.

Q: Does the temperature displayed on the screen represent the room temperature?

A: No. The temperature displayed on the screen represents the current temperature in the duct behind the booster fan. The reading is obtained from the back wall sensor of the AIRBRICK register booster fan.

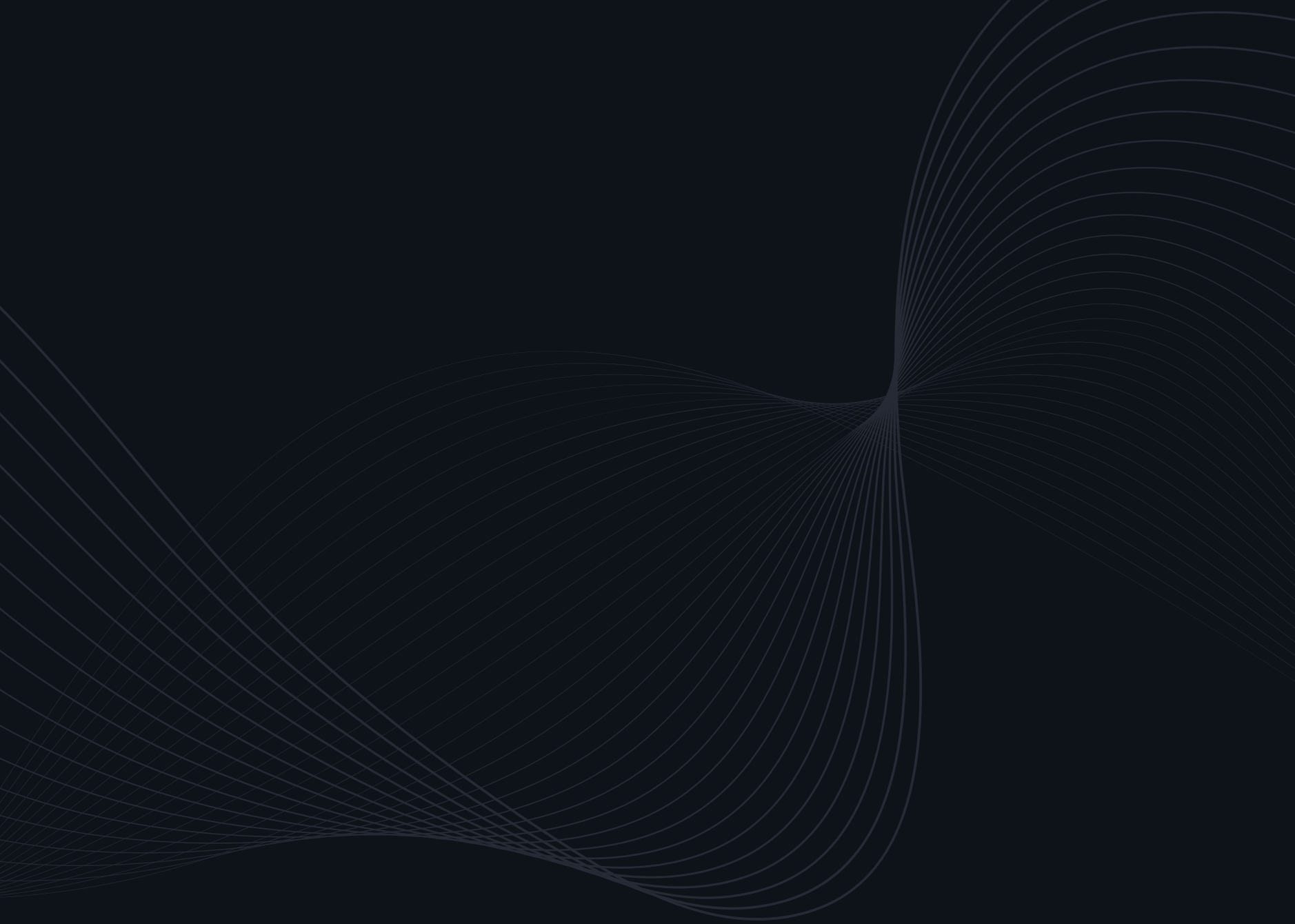
Warranty

AIRBRICK stands behind its product and provides a one-year limited warranty that covers manufacturing defects and malfunctions. The warranty is effective from the date of purchase and applies to all orders, purchases, receipts, and use of AIRBRICK products sold by authorized points of sale. If the product becomes defective or unusable due to material or workmanship issues, AIRBRICK will take appropriate actions as defined in this warranty to resolve the problem.

The warranty does not cover abuse or misuse of the product, such as physical damage, submersion in water, incorrect installation, or misuse for any purposes other than those intended. AIRBRICK is not responsible for any consequential or incidental damages caused by the product.

Please note that the warranty program will expire one year from the date of purchase, and it does not warrant damage from normal wear and tear and scratches or scoffs.

In the event of any manufacturing defects or malfunctions, please reach out to our customer support team at **support@airbrick.us** to initiate the warranty claim process.


AIRBRICK