AC INFINITY

AIRTAP SERIES

REGISTER BOOSTER FAN SYSTEM

USER MANUAL

WELCOME

Thank you for choosing AC Infinity. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us. Visit www.acinfinity.com and click contact for our contact information.

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support@acinfinity.com

WEB
www.acinfinity.com

LOCATION
Los Angeles, CA

MANUAL CODE AT1711X1

PRODUCT	MODEL	UPC-A
AIRTAP T4, Bronze	AC-RBF4-B	81913702023
AIRTAP T4, White	AC-RBF4-W	81913702024

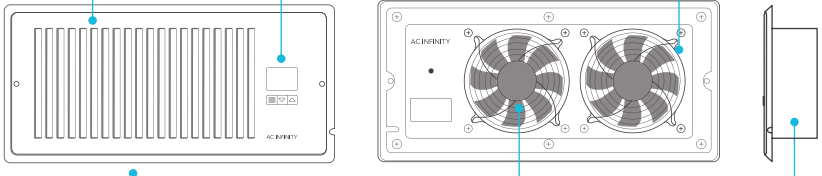
MANUAL INDEX

KEY FEATURES

ALUMINIUM FRAME
Features an aluminum frame with a white finish or CNC machined corners give cabinets a clean look.

SMART CONTROLLER
LCD display enables temp. monitoring, hot and cold temperature triggers and fan speed control.

DUAL BALL BEARINGS
Motor contains dual-ball bearings rated at 67,000 hours. Enables unit to be mounted in any direction.

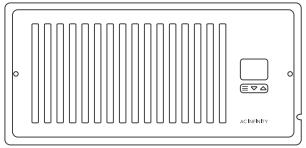


QUIET PWM MOTOR
PWM-controlled motor Features precise speed control, Reduced noise, and energy efficient DC power.

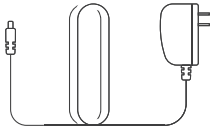
STATOR BLADES
Hydro-mechanical stator blades enables air to travel farther even in high static pressure environments.

PROTECTIVE BACK
Backside is enclosed in a thermoplastic casing with fan guards to protect users from high speed fans.

PRODUCT CONTENTS



REGISTER FAN (x1)

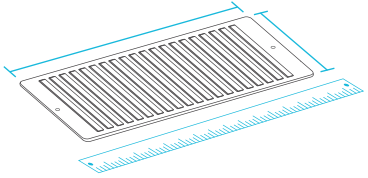


POWER ADAPTER (x1)

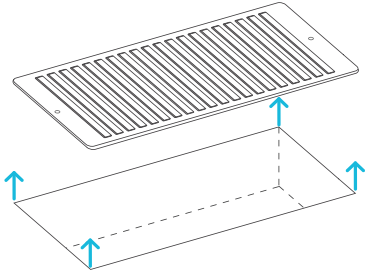
SCREW SET (x2)

MOUNTING STEPS

STEP 1
Measure the size of your register vent to make sure that this model will fit. Standard sizes come in 4x10”, 4x12”, 6x10”, 6x12”, etc.

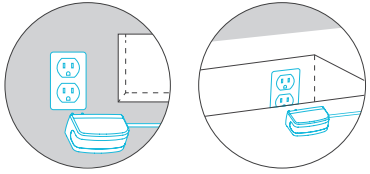


STEP 2
Remove your previous register grille. Some grilles may require you to use a philip screwdriver to remove their mounting screws.

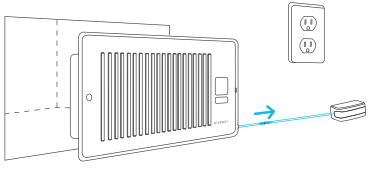


MOUNTING STEPS

STEP 3
Determine how the register fan will be powered, whether the power source is inside the wall or an outlet outside the wall. Please plug the adapter into the outlet.

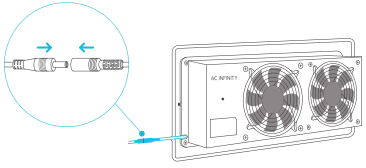


STEP 4
Run the power cord towards the opening of the vent to where the register fan unit will be mounted.



MOUNTING STEPS

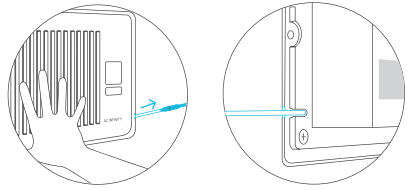
STEP 5
Plug the power adapter's cord into the power receptacle of the register fan unit.



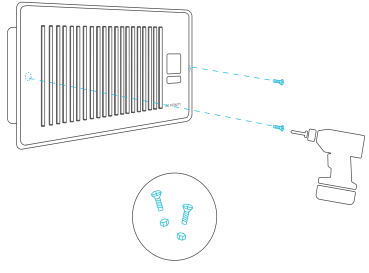
STEP 6
Check that the register fan unit's LCD display is lit and that there is a temperature measurement showing.

MOUNTING STEPS

STEP 7
Position the register fan to be mounted. If the power source is an outlet outside the wall, please make sure the cord runs through the gap between the wall and mounting plate.



STEP 8
If necessary, use the two screws that are included to secure the register fan unit into the previous register grille's hole. If the screw holes do not align, a drill may be needed to create new mounting holes on the wall.

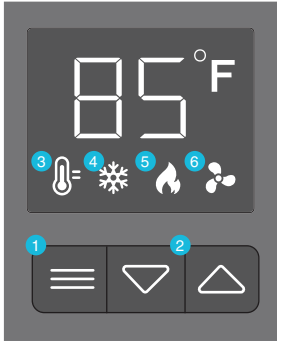


PROGRAMMING

1. MODE BUTTON
Cycles through the unit's modes: temperature display, cooling trigger, heat trigger, and fan speed.

2. UP / DOWN BUTTON
The up and down buttons change the setting temperature, or the speed of the fan.

3. TEMPERATURE DISPLAY
This is the default mode that shows the current temperature the probe is measuring.



4. COOLING TRIGGER
This allows you to set a temperature trigger for the fan to run when your air conditioner system is on.

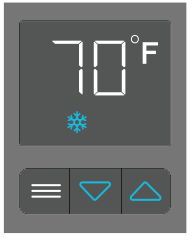
5. HEATING TRIGGER
This allows you to set a temperature trigger for the fan to run when your central heating system is on.

6. FAN SPEED
This allows you to set a max speed the fan can reach when the cooling or heating triggers the fan to run.

PROGRAMMING

TEMPERATURE DISPLAY
This is the default mode that shows the current temperature the probe is measuring. After setting up the cooling and heating triggers, it is ideal to return to this mode to be able to actively monitor the vent's temperature. The temperature triggers and the fan speed you set in the other models will still operate in the background.

COOLING TRIGGER
This allows you to set a temperature trigger for the fan to run when your air conditioner system is on. In this mode, you can set a temperature that will trigger the fan to run when the probe temperature meets or falls below the set temperature. And trigger OFF when the probe temperature is above the set temperature. To minimize noise and power consumption, we designed is so that the fan speed will slowly ramp up towards the set fan speed or slowly ramp down to turn off. While In this mode, you can press up or down to change the set temperature. You can hold the MODE button simultaneously for 2 or more seconds to turn this trigger off, in which the display will show "OF".



If the fan is not running when it should be, you may need to raise the set temperature. If the fan is running when it shouldn't be, you may need to lower the set temperature.

After setting the temperature triggers and fan speed, it is recommended to return to the temperature display mode. You can do this by pressing the MODE button to cycle through the modes until you reach the temperature display mode.

PROGRAMMING

HEATING TRIGGER

This allows you to set a temperature trigger for the fan to run when your central heating system is on. In this mode, you can set a temperature that will trigger the fan to run when the probe temperature meets or exceeds the set temperature. And trigger OFF when the probe temperature falls below the set temperature. To minimize noise and power consumption, we designed it so that the fan speed will slowly ramp up towards the set fan speed or slowly ramp down to turn off. While in this mode, you can press up or down to change the set temperature. You can also hold the MODE button simultaneously for 2 or more seconds to turn this trigger off, in which the display will show “OF".

If the fan is not running when it should be, you may need to raise the set temperature. If the fan is running when it shouldn't be, you may need to lower the set temperature.

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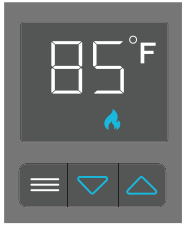
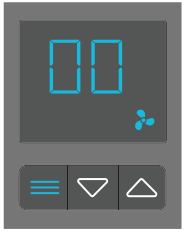


PROGRAMMING

FAN SPEED

This allows you to set a max speed the fan can reach when the cooling or heating triggers the fan to run. While in this mode, press the up or down button while in this mode to change the speed. Ideally, you would chose the highest fan speed in which you can tolerate its noise comfortably. Holding MODE button simultaneously for 2 or more seconds will set the fan speed to zero.



FAHRENHEIT OR CELSIUS

The temperature displayed can be set to Fahrenheit or Celsius scale by holding the up and DOWN button simultaneously until ˚F or ˚C is shown after the digits. All digits displayed will be automatically converted to the designated scale.

AC INFINITY PRODUCTS

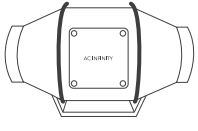
CLOUDPLATE SERIES

The Cloudplate rack fan system is designed for quietly cooling a wide range of audio, video, home theater, network, and IT equipments racks. The model features a thermal controller with intelligent programming that will automatically adjust the fan speeds in response to changing temperatures.

PRODUCT	MODEL	DIMENSIONS
CONTROLLER 12	AI-CTB12	19.0 x 1.75 x 2 in.
CLOUDPLATE T1	AI-CPT1	19.0 x 1.75 x 1.5 in.
CLOUDPLATE T1-N	AI-CPT1-N	19.0 x 1.75 x 2 in.
CLOUDPLATE T2	AI-CPT2	19.0 x 1.75 x 2 in.
CLOUDPLATE T5	AI-CPT5	19.0 x 1.75 x 13.5 in.
CLOUDPLATE T6	AI-CPT6	19.0 x 1.75 x 13.5 in.
CLOUDPLATE T7	AI-CP2L	19.0 x 1.75 x 13.5 in.
CLOUDPLATE T7-N	AI-CP2H	19.0 x 1.75 x 1.5 in.
CLOUDPLATE T9	AI-CPT9	19.0 x 5.25 x 2 in.
CLOUDPLATE T9-N	AI-CPT9-N	19.0 x 5.25 x 2 in.
CLOUDPLATE T12	AI-CPT12	19.0 x 1.75 x 1.5 in.

CLOUDLINE DUCT FAN SERIES

The Cloudine duct fan system is designed to quietly ventilate AV rooms and closets, as well as various DY air circulation and exhaust projects.



PRODUCT	MODEL	DIMENSIONS
CLOUDLINE S4	AI-CLS4	7.40 x 11.93 x 6.93 in.
CLOULDINE S6	AI-CLS6	7.87 x 12.60 x 8.35 in.
CLOUDLINE T4	AI-CLT4	7.40 x 11.93 x 6.93 in.
CLOUDLINE T6	AI-CLT6	7.87 x 12.60 x 8.35 in.
CLOULDINE T8	AI-CLT8	8.54 x 11.89 x 9.17 in.
CLOULDINE T10	AI-CLT10	8.54 x 15.20 x 9.17 in.

WARRANTY

This warranty program is our commitment to you, the original purchaser, that each product sold by AC Infinity will be free from defects in manufacturing for a period of two years from the date of purchase. If a product is found to have a defect in material or workmanship, we will take the appropriate actions defined in this warranty to resolve any issues.

The warranty program applies to any order, purchase, receipt, or use of any products from AC Infinity. The program covers products that have become defective,malfunctioned, or expressively if the product becomes unusable. The warranty program goes into effect on the date of purchase. The program will expire two years from the date of purchase. If your product becomes defective during that period, AC Infinity will replace your product with a new one or issue you a full refund.

The warranty program does not cover abuse or misuse. This includes physical damage, submersion of the product in water, incorrect Installation such as wrong voltage input, and misuse for any reason other than intended purposes. AC Infinity is not responsible for consequential loss or incidental damages of any nature caused by the product. We will not warrant damage from normal wear such as scratches and dings.

If you are not 100% satisfied with this product, we will be happy to replace it or issue you a full refund. Please contact us!

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