

PRODUCT WARNING

This product is intended to cool, heat, dehumidify, and circulate the air in indoor spaces only. This product is not intended for commercial or industrial use. Use this product only as described in this manual.

READ ALL INSTRUCTIONS BEFORE INSTALLING AND USING THIS PRODUCT. TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. This product is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or a lack of experience with and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
2. Extreme caution is required before leaving this product operating unattended. Ensure that all warnings have been properly followed and your environment is free of any potential safety hazards. This product must be operated in the upright position only.
3. 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.
4. Do not attempt to hardwire this product. Performing any retrofitting actions may result in personal injury and/or electrical damage and will void this product's warranty.
5. This product is hot when the heating element is in use. To avoid burns, do not let bare skin touch hot surfaces.
6. This product must not be used in potentially hazardous locations such as flammable, explosive, chemical-laden, or wet atmospheres. This includes areas containing gasoline, paint, and additional flammable liquids.
7. Do not use this product outdoors, in direct sunlight, or expose it to weather or elements.
8. Do not use this product in areas where oil or water are likely to splash.
9. Plug this product directly into a wall outlet. Never use with an extension cord or relocatable power tap (outlet/power strip). Do not use this product on a surge-protected unit or Ground Fault Circuit Interrupted (GFCI) outlet.

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PRODUCT WARNING

10. Do not cover this product or the power cords with rugs or other fabric materials. Do not route cords under furniture or appliances. The cord should not hang over edges or be placed where it can be bent or closed in doors. Place this product near an easily accessible outlet so the product can be unplugged quickly during an emergency.

11. Do not operate this product if it malfunctions, has been dropped, or is damaged in any manner. Do not operate this product if its cord malfunctions or is damaged in any manner.

12. 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. Unplug this product when it is not in use. Do not yank, strain, stretch, or wet the power cord.

13. Clean this product regularly, only as instructed in this manual. Prior to cleaning, turn off the power and unplug the cord. Do not use gasoline, thinners, solvents, ammonias, or other chemicals for cleaning.

14. To avoid water leakage, empty the condensation tray before moving the product. Refer to the Condensate Drain section for instructions.

15. Before plugging the power cord into an outlet, make sure that all electrical information on the product labels, including voltage, is compatible with your outlet's power supply.

16. Place this product at least 3 feet away on all sides from walls, outlets, furniture, pillows, bedding, papers, clothes, curtains and other objects that may cause or catch fire. Do not place it near any flammable objects that may fall off and catch fire.

17. Do not place this product on a soft, elevated, or unstable surface, or in any location where it may fall over or air intakes or exhaust can be blocked in any manner.

18. No part of this product should be placed near furnaces, fireplaces, stoves, or other high temperature heat sources. Do not use in windows, uneven or unstable surfaces, or near water.

19. Do not tilt, incline, or lay this product on its side or back.

20. The applicable operating temperature ranges for this product are 64-95°F (COOL mode) and 50-74°F (HEAT mode).

21. Do not operate with a solid-state speed device, such as a dimmer control switch. Use of this product on the same electrical circuit as another high-energy use product, such as vacuums, blenders, variable speed fans, or circulators is not advised.

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PRODUCT WARNING

22. Never ignore signs of an electrical problem, such as warm outlet cover plates, sparks when plugging or operating, lights flickering/dimming during operation. Immediately turn off and unplug this product if any such problems are noticed. Contact a qualified electrician to investigate possible causes before operating this product again.

23. 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.

24. Do not operate this product if it does not produce a steady stream of cold air from the vent after 5 minutes of continuous operation.

25. Do not open this product's housing while the product is plugged in.

REFRIGERANT (R32)
Read all instructions before installing and using this product. Be aware that refrigerants may not contain an odor. All safety precautions must be followed. When defrosting and cleaning this product, only use this product as described in this manual.

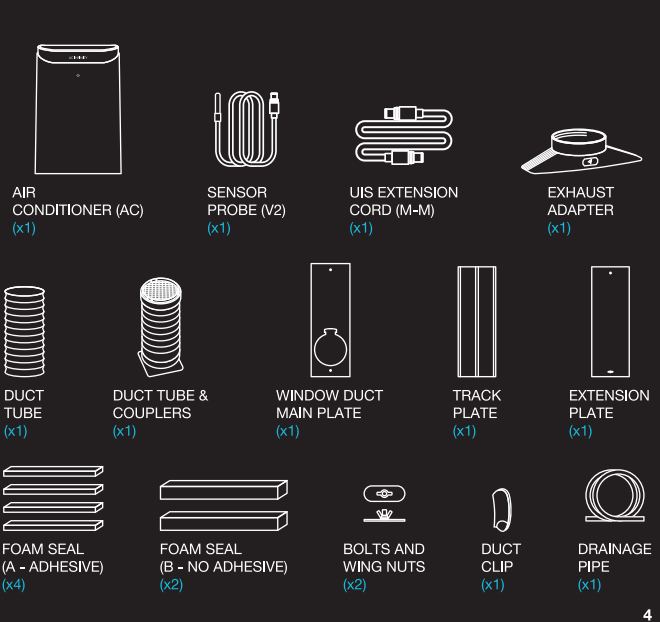
FLAMMABLE REFRIGERANT USED. TO REDUCE THE RISK OF FIRE, EXPLOSION, OR INJURY TO PERSONS, OBSERVE THE PREVIOUS WARNINGS IN ADDITION TO THE FOLLOWING:

1. This product and any ducting connected to it must be stored and used in a well-ventilated area.
2. Individuals who operate or work on the refrigerant circuit must have the appropriate certification issued by an accredited organization that ensures competence in handling refrigerants according to a specific evaluation recognized by associations in the industry.
3. Do not puncture refrigerant tubing.
4. Dispose of product properly in accordance with federal or local regulations. Handle carefully in compliance with national regulations.

DO NOT attempt to repair this product yourself!
All service and/or repairs must be done by an authorized technician and/or electrician. Contact our customer service department at support@acinfinitly.com or (626) 923-6399 for product and warranty assistance.

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PRODUCT CONTENTS



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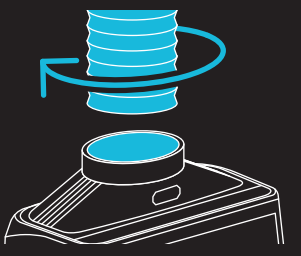
INSTALLATION

DUCTING SETUP

STEP 1
Assemble the exhaust adapter onto your AC. Align the notches into the slots at the bottom of the vent, press the rocket button, and push the adapter in until it clicks into place.

If you need to remove the duct adapter, press the rocket button to release it from your AC.

STEP 2
Twist the duct tube into the duct adapter.



DUCTWORK INSULATION
Condensation can form on the ducting if it is used over an extended period in humid environments.

You may apply ductwork insulation to minimize the amount of condensation forming.



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INSTALLATION

DUCTING SETUP

DUCTING CONFIGURATIONS
Use the following diagram to help you route your ducting and airflow to your desired configuration.

A. Main Exhaust Vent
B. Secondary Exhaust Vent

STANDARD
For COOL, HEAT, COOL/HEAT, and FAN modes, direct the main exhaust duct into your tent.

This creates a positive-pressure setup that prevents outside particles from entering your grow tent but will allow the air inside to escape. This is useful when you want full control over the air entering your grow tent.



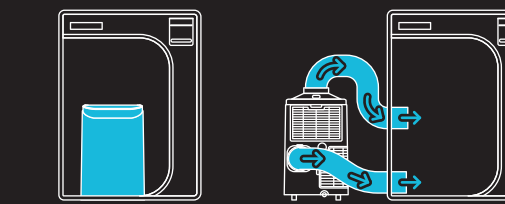
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INSTALLATION

DUCTING SETUP

DRY MODE
For DRY mode, you may choose one of the following configurations.

Full-Space Dehumidification (Neutral Pressure)
Target Dehumidification (Positive Pressure)



See pages 8-11 for secondary exhaust vent installation instructions.

MAINTENANCE
Unplug your AC and allow it to cool before cleaning.

Remove the filters and clean them with a vacuum. If the filters are exceedingly dusty, you may immerse them in warm water (no hotter than 104°F) away from your AC.

After washing, leave the filters out to dry before placing them back into your AC.

NEVER clean your AC with water, alcohol, or similar sprays or solvents.



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INSTALLATION

WINDOW DUCT KIT

STEP 1
Screw a flat head bolt into the main plate's mounting hole rail-side up.

Keep the bolt head parallel to the rails.

STEP 2
Apply a washer and wing nut onto the flat head bolt on the other side of the main plate.

Do not fully tighten the wing nut.

STEP 3
A. Slide the track plate into the main plate, making sure the flat head bolt enters its channel.
B. Adjust the assembly to fit the height or width of your window. Tighten the wing nut once you have your desired length.

You may apply the extension plate to fit a larger window.



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INSTALLATION

WINDOW DUCT KIT

STEP 4
Open your window and cut foam seal A (adhesive) to the proper length. Attach the pieces to your window.

STEP 5
Place the assembly onto your window.

Close your window to hold the assembly in place.

The assembly can be installed vertically or horizontally, as shown.

STEP 6
Cut foam seal B (no adhesive) to the proper length. Attach the pieces to your window.



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INSTALLATION

WINDOW DUCT KIT

STEP 7
Take the duct tube and coupler assembly and insert the left notch of the window duct coupler into the left slot of the window duct plate hole.

Align the right notch with the right slot and push in.

STEP 8
Twist the duct assembly counterclockwise to lock in place.

Insert the duct clip into the notch to secure the hold.

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INSTALLATION

WINDOW DUCT KIT

STEP 9
Slide the end with the AC coupler over the exhaust grille until it locks into place.

STEP 10
Ensure the ducting doesn't have any sharp bends or sagging.

POWERING YOUR AC

Plug the sensor into your AC, then plug your AC into an AC power outlet to power it.

Only use the included gray sensor with this device to prevent damage. Do not use sensors that were packaged with other devices.

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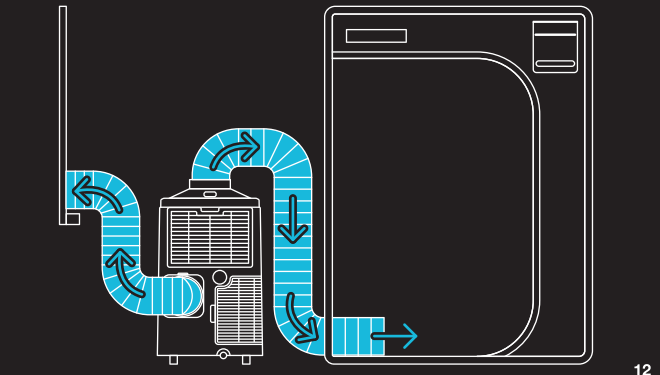
INSTALLATION

ADVANCED DUCTING

POSITIVE PRESSURE
Positive pressure occurs when there is more air coming in than being pushed out.

This creates a setup that prevents outside particles from entering your grow tent but will allow the air inside to escape. This is useful when you want full control over the air entering your grow tent.

Use this configuration for COOL, HEAT, COOL/HEAT, and FAN modes.



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CONDENSATE DRAIN

DRAINING YOUR AC
Your AC features a drain-free design that minimizes how often you must drain it. In occasions when water-collecting outpaces the evaporating system, you must empty the condensation tray. Using the included drainpipe will direct the collected water to a drain or a catch tray. Please drain this tray completely after using or before moving your AC.

DO NOT tilt, incline, or lay this product on its side or back. This will cause water to spill internally and pause programming until it is in an upright position.

COOL/HEAT MODES (Recommended)

Remove the drain cap and plug the drainpipe into the drainage hole. One end of the pipe is wider than the other. Use the larger end in the top drainage hole, or the smaller end in the bottom drainage hole. Route the drainpipe to a nearby drain or catch tray.

Ensure the drainage hole is properly capped while the drainpipe is not in use. This will prevent condensation from leaking. Please note water may flow out of the drainage hole once it is uncapped. Set the drainage hole over a drain or catch tray.

DRY MODE (REQUIRED)
Always install the drainpipe into the top opening when using DRY mode.



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CONTROLLER SETTINGS

ONBOARD

1. POWER
Turns your AC ON/OFF.

2. COOL MODE
Turns COOL mode ON. Pressing the button again increases the target setting. Hold to jump to ON mode.

3. HEAT MODE
Turns HEAT mode ON. Pressing the button again increases the target setting. Hold to jump to ON mode.

4. COOL/HEAT MODE
Turns COOL/HEAT mode ON. Pressing the button again increases the target setting.

5. DRY MODE
Turns DRY mode ON. Pressing the button again increases the target setting. Hold to jump to ON mode.

6. FAN MODE
Turns FAN mode ON. Pressing the button again increases the target setting. Hold to jump to ON mode.

7. LEVEL BUTTON
Cycles through the mode's fan speed levels 1-10 indicated by the row of dots on the display. Press the button to increase the level by one. Cycling past 10 will return to level 1.

8. AI SETTING
Turns the AI setting ON/OFF (COOL, HEAT, COOL/HEAT, or DRY mode only). When active, the system dynamically ramps levels as temperature and humidity shift further from your target, ensuring precision climate control.

9. DISPLAY SETTING
Toggles between Celsius, Fahrenheit, and VPD settings. You may also switch to humidity settings in DRY mode.

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OTHER SETTINGS

FACTORY RESET
Hold the power and COOL buttons together for 3 seconds to reset your AC and restore factory settings.

MUTE SOUND
Hold the power and display setting buttons together for 2 seconds to mute/unmute sound.

HIDE DISPLAY
Hold the display setting button for 3 seconds to hide the display. The mode indicator light will remain on. Press any button other than the power button to turn the display back on.

FULL CONDENSATION TRAY
Displays when the condensation tray is full. Your AC will pause programming, and its screen will flash until the water is emptied.

NO LONGER UPRIGHT
"F1" displays whenever your AC falls on its side or tilts. It will pause programming, and its screen will flash until placed back at an upright position.

For a complete list of alerts and programming instructions, scan the programming QR code on the next page. If issues persist, contact our customer service department at support@acinfinitly.com or (626) 923-6399 for product and warranty assistance.

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PROGRAMMING

ADVANCE PROGRAMMING

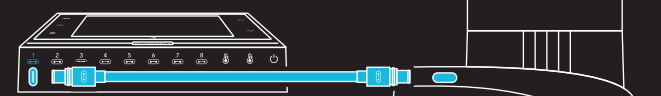
This AC is compatible with specific controller models. Please visit our website www.acinfinitly.com for more information.

EXTENSION CABLE
Use the included UIS M-M extension cord to connect your AC to your controller (not included).

Your controller will override all onboard settings, assume control (parameters must be adjusted on your controller), and shut off your AC's button functions when connected in this manner.

This port is used by either the sensor or the UIS extension cord and cannot be used simultaneously. If you connect the included sensor into your AC, you cannot connect your AC to a smart controller. If you wish to use the UIS extension cord, the only sensor that can be used is the one connected directly to your smart controller.

The port must be dry and capped when not in use to keep liquid and debris out.



CONTROLLER AI+ shown

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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!

WEBSITE | www.acinfinitly.com
EMAIL | support@acinfinitly.com
PHONE | 626-923-6399, 9 am to 5 pm PST
ADDRESS | 21880 BAKER PARKWAY
CITY OF INDUSTRY, CA 91789

DEALERS
EMAIL | dealers@acinfinitly.com
PHONE | 626-638-4656, 9 am to 5 pm PST

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TERRAFORM 8

QUICK START GUIDE

AC INFINITY