AC INFINITY

ADVANCE GROW SYSTEM

COMPLETE INDOOR PLANT KIT

USER MANUAL

PROUD TO PRESENT TO YOU
THE ADVANCE GROW SYSTEM

Thank you for choosing AC Infinity. As growers, we've dreamt of applying commercial levels of automation technology to our systems, scaled down for home growing, without the commercial level price tag. Now we've made it possible.

This complete indoor growing system is the culmination of four years of development, implementing smart controls into all the technology a grow space uses to create a fully automated system. Each grow tent kit contains equipment that is collectively rated to grow your desired number of plants and can be controlled using its grow tent controller or the AC Infinity app.

We are committed to product quality and friendly customer service, so please contact us if you have any questions or suggestions. Don't forget to share your growing journey with this complete indoor growing system on social media @acinfinityinc!

EMAIL
support@acinfinity.com

WEB
www.acinfinity.com

LOCATION
Los Angeles, CA

MANUAL CODE PK2111X1

PRODUCT	MODEL	UPC
Advance Grow Tent Kit (2x2) COMPACT	AC-PKA22	819137022829
Advance Grow Tent Kit (2x2)	AC-PKB22	819137022836
Advance Grow Tent Kit (2x4)	AC-PKB24	819137022843
Advance Grow Tent Kit (3x3)	AC-PKB33	819137022850
Advance Grow Tent Kit (4x4)	AC-PKB44	819137022867

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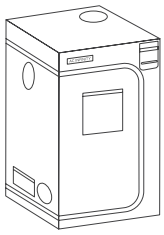
PRODUCT WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

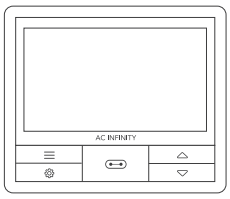
1. Ensure your power source conforms to the electrical requirements of this product.
2. Check your local code restrictions for additional safety measures that may be needed for a proper code compliant installation.
3. Read all instructions before installing and using this product.
4. If you are unfamiliar 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.
5. This product must not be used in potentially hazardous locations such as flammable, explosive, chemical-laden or wet atmospheres.
6. Ducted products must always be vented to outdoor areas.
7. Do not cover power cords with rugs or other fabric materials.
8. This product has rotating parts. Safety precautions should be exercised during the installation, operation, and maintenance of this product.
9. 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.
10. 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.
11. Do not operate this product while its cord is damaged, or if it malfunctions, has been dropped, or is damaged in any manner.

PRODUCT CONTENTS

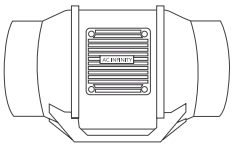
OVERVIEW



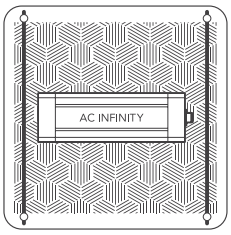
CLOUDLAB
Advance Grow Tent
BOX A



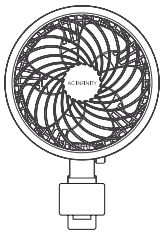
CONTROLLER 69
UIS Controller
BOX B



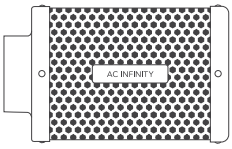
CLOUDLINE LITE
Inline Fan
BOX C



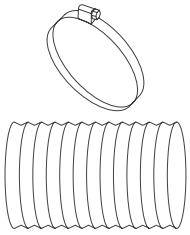
IONBOARD
LED Grow Light
BOX D



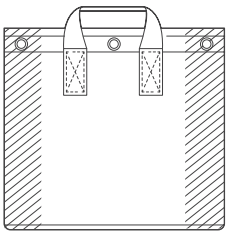
CLOUDRAY
Clip Fan
BOX E



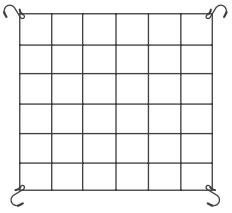
INLINE
CARBON FILTER
BOX F



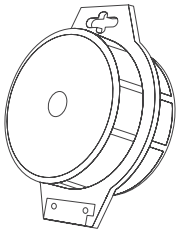
DUCTING
AND CLAMPS
BOX G



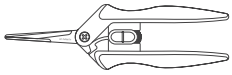
FABRIC POTS,
5 gal.
BOX H



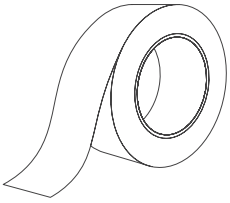
ELASTIC
TRELLIS NETTING
BOX I



GARDEN PLANT
TWIST TIES
BOX I



STAINLESS STEEL
PRUNING SNIPS
BOX I



ALUMINUM
DUCTING TAPE
BOX I

VELCRO
CABLE TIES
BOX I

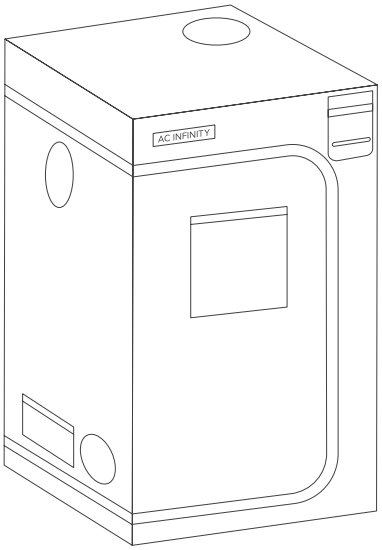
PRODUCT CONTENTS

DETAILS

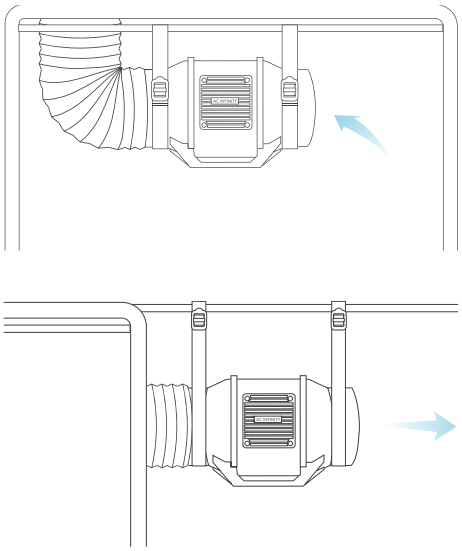
	Advance Grow Tent Kit (2x2) COMPACT AC-PKA22	Advance Grow Tent Kit (2x2) AC-PKB22	Advance Grow Tent Kit (2x4) AC-PKB24	Advance Grow Tent Kit (3x3) AC-PKB33	Advance Grow Tent Kit (4x4) AC-PKB44
BOX A GROW TENT	CLOUDLAB 422, 24" x 24" x 48" x1	CLOUDLAB 722, 24" x 24" x 72" x1	CLOUDLAB 642, 24" x 48" x 72" x1	CLOUDLAB 733, 36" x 36" x 72" x1	CLOUDLAB 844, 48" x 48" x 80" x1
BOX B GROW TENT CONTROLLER	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1
BOX C INLINE FAN	CLOUDLINE LITE A4, Inline Fan 4 in. x1	CLOUDLINE LITE A4, Inline Fan 4 in. x1	CLOUDLINE LITE A4, Inline Fan 4 in. x1	CLOUDLINE LITE A4, Inline Fan 4 in. x1	CLOUDLINE LITE A6, Inline Fan 6 in. x1
BOXES C & F HANGING STRAPS	Nylon Hanging Straps x2 per box	Nylon Hanging Straps x2 per box	Nylon Hanging Straps x2 per box	Nylon Hanging Straps x2 per box	Nylon Hanging Straps x2 per box
BOX D LED GROW LIGHT	IONBOARD S22, 2x2 Coverage x1	IONBOARD S22, 2x2 Coverage x1	IONBOARD S24, 2x4 Coverage x1	IONBOARD S33, 3x3 Coverage x1	IONBOARD S44, 4x4 Coverage x1
BOXES D ROPE CLIP HANGERS	Adjustable Hangers, 8 ft. x2	Adjustable Hangers, 8 ft. x2	Adjustable Hangers, 8 ft. x2	Adjustable Hangers, 8 ft. x2	Adjustable Hangers, 8 ft. x2
BOXES D CONTROLLER CORD	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1
BOX E CLIP-ON FAN	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x2
BOXES E L-SHAPED CONTROLLER CORD	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x2
BOX F CARBON FILTER	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 6 in. x1
BOX G DUCTING	4 in. Flexible Ducting, 8 ft. Length x1	4 in. Flexible Ducting, 8 ft. Length x1	4 in. Flexible Ducting, 8 ft. Length x1	4 in. Flexible Ducting, 8 ft. Length x1	6 in. Flexible Ducting, 8 ft. Length x1
BOX G CLAMPS	4 in. Silver Metal Clamp x2	4 in. Silver Metal Clamp x2	4 in. Silver Metal Clamp x2	4 in. Silver Metal Clamp x2	6 in. Silver Metal Clamp x2
BOX H FABRIC POTS	Fabric Pots, 5 gal. x2	Fabric Pots, 5 gal. x2	Fabric Pots, 5 gal. x4	Fabric Pots, 5 gal. x6	Fabric Pots, 5 gal. x8
BOX I TRELLIS NETTING	Elastic Trellis Netting 2' x 2' x1	Elastic Trellis Netting 2' x 2' x1	Elastic Trellis Netting 2' x 4' x1	Elastic Trellis Netting 3' x 3' x1	Elastic Trellis Netting 4' x 4' x1
BOX I TWIST TIES	Wire Plant Tie, Black x1	Wire Plant Tie, Black x1	Wire Plant Tie, Black x1	Wire Plant Tie, Black x1	Wire Plant Tie, Black x1
BOX I PRUNING SNIPS	Micro-Tip Shears x1	Micro-Tip Shears x1	Micro-Tip Shears x1	Micro-Tip Shears x1	Micro-Tip Shears x1
BOX I DUCTING TAPE	Aluminum Tape, 5 ft. x1	Aluminum Tape, 5 ft. x1	Aluminum Tape, 5 ft. x1	Aluminum Tape, 5 ft. x1	Aluminum Tape, 5 ft. x1
BOX I VELCRO TIES	Velcro Cable Tie x10	Velcro Cable Tie x10	Velcro Cable Tie x10	Velcro Cable Tie x10	Velcro Cable Tie x10

QUICK BUILD GUIDE

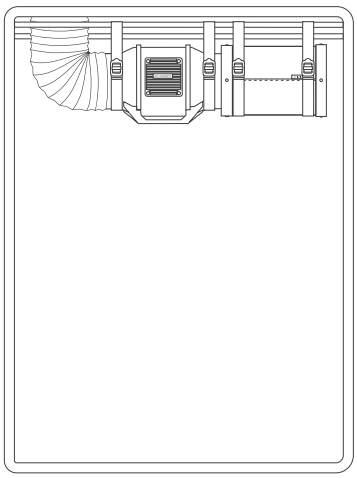
1 Build the **Grow Tent (BOX A)**. Refer to pages 12-25.



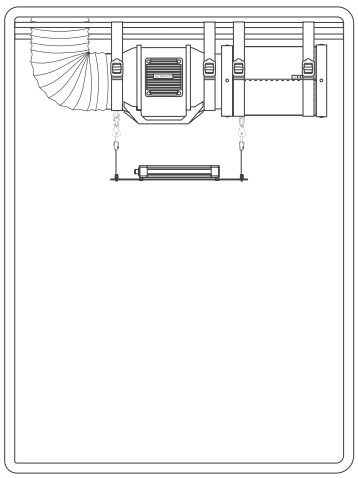
2 Install the **Inline Fan** with **Straps (BOX C)**, **Ducting** and **Clamps (BOX G)** to your preferred configuration. Refer to pages 26-39.



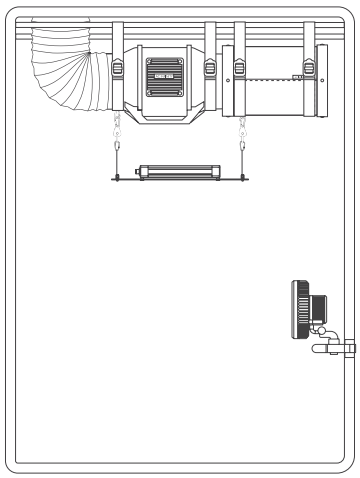
3 You may connect and hang the **Carbon Filter** with **Straps (BOX F)** to your ductwork. Refer to pages 40-51. Use **Duct Tape (BOX I)** to seal any gaps in the ducting.



4 Hang the **Grow Light** using **Rope Hangers (BOX D)** by the roof support beams. Refer to pages 52-59. Turn the knob to UIS to pair and connect with the controller.

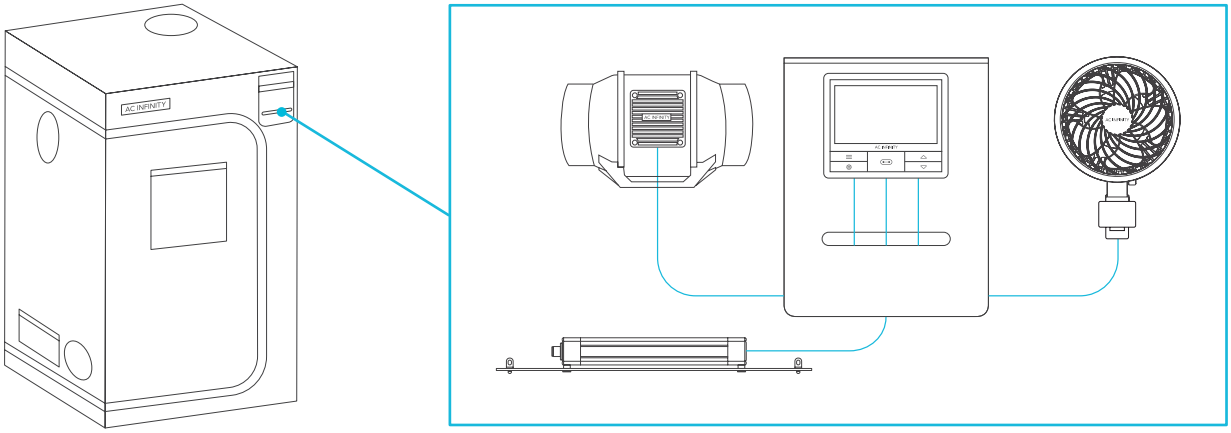


5 Clamp the **Clip Fan (BOX E)** onto the tent frame. Refer to pages 60-65.



6 Mount the **Grow Tent Controller (BOX B)** onto the **Controller Plate (BOX A)**. Refer to page 20.

Plug the probe into the probe port. Plug the **Inline Fan's controller cable (BOX C)** into Port 1, the **Grow Light's controller cable (BOX D)** into Port 2, and the **Clip Fan's controller cable (BOX E)** into Port 3. Plug the second **Clip Fan's controller cable (BOX E)** into Port 4 (model AC-PKB44 only). Refer to page 74.



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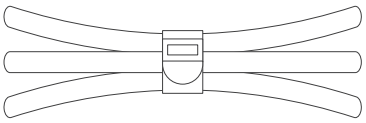
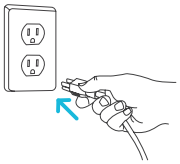
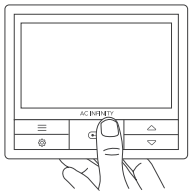
7 Use the **Velcro Ties (BOX I)** to cable manage the wires.



8 Plug all the electronic devices into available AC outlets.





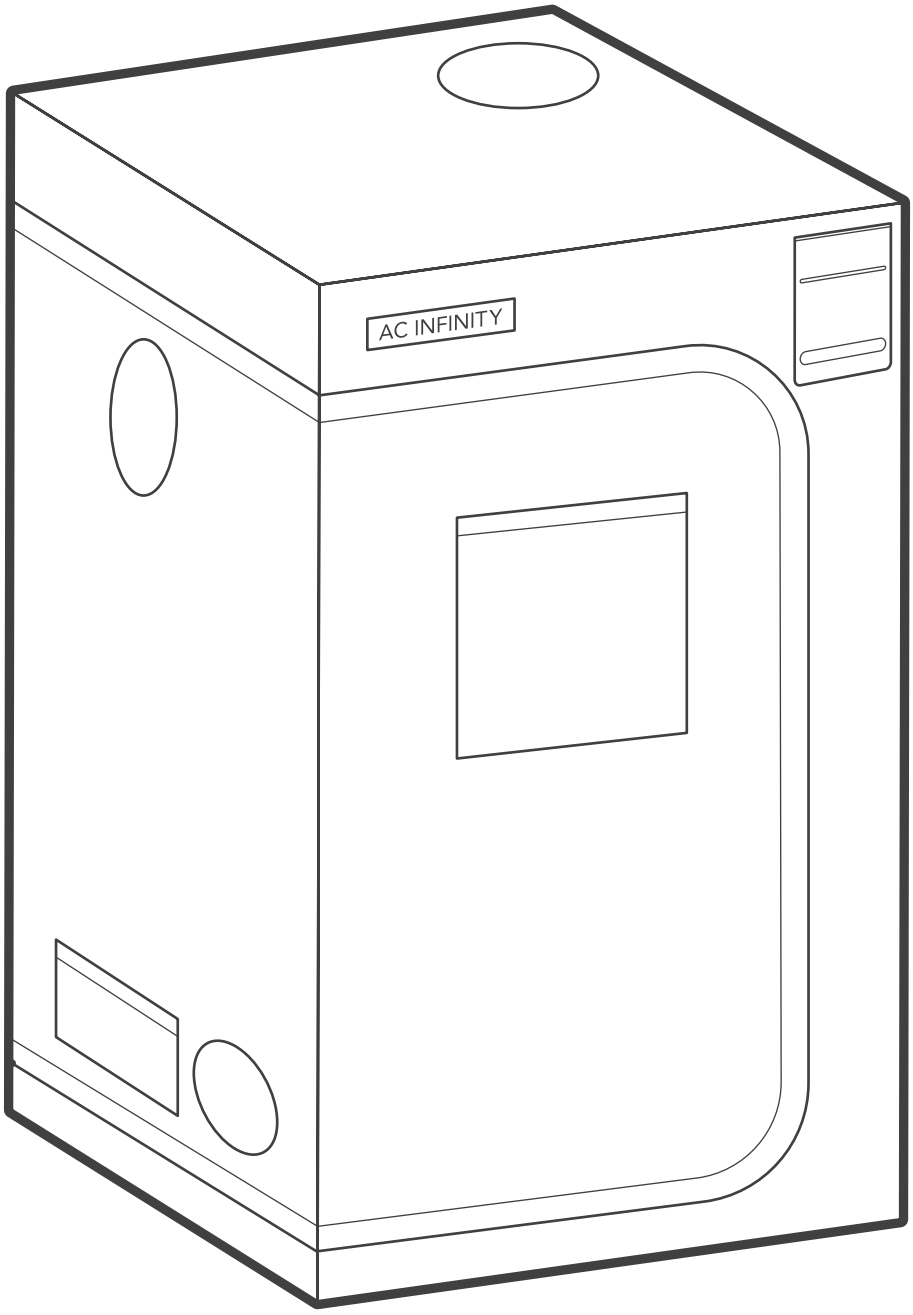
9 Set the **Grow Tent Controller's (BOX B)** clock time to your local time. Refer to page 84.

The **Grow Tent Controller** is pre-programmed with the following settings:

- Port 1 – **Inline Fan** set to Fan Speed Level 5 scheduled between 6:00pm & 12:00pm, and to Level 2 scheduled between 12:00pm and 6:00pm.
- Port 2 – **Grow Light** set to Brightness Intensity Level 10 scheduled between 6:00pm and 12:00pm and to Level 0 scheduled between 12:00pm and 6:00pm.
- Port 3 – **Clip Fan** set to Level 5.
- Port 4 – **Clip Fan** set to Level 5 (model AC-PKB44 only).

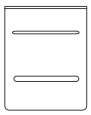
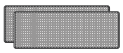
Add potting mix and plant seeds into the **Fabric Pot (BOX H)**, and set it inside of the grow tent to finish the build.

CLOUDLAB SERIES
ADVANCE GROW TENT



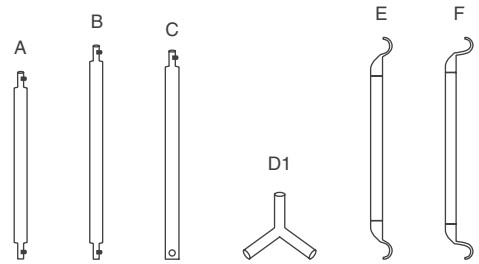
ADVANCE GROW TENT

PRODUCT CONTENTS

	Advance Grow Tent Kit (2x2) COMPACT AC-PKA22	Advance Grow Tent Kit (2x2) AC-PKB22	Advance Grow Tent Kit (2x4) AC-PKB24	Advance Grow Tent Kit (3x3) AC-PKB33	Advance Grow Tent Kit (4x4) AC-PKB44
GROW TENT	CLOUDLAB 422, 24” x 24” x 48” x1	CLOUDLAB 722, 24” x 24” x 72” x1	CLOUDLAB 642, 24” x 48” x 72” x1	CLOUDLAB 733, 36” x 36” x 72” x1	CLOUDLAB 844, 48” x 48” x 80” x1
 CONTROLLER MOUNTING PLATE	x1	x1	x1	x1	x1
WALL HANG SCREWS with NUTS	x4	x4	x4	x4	x4
CONTROLLER PLATE BOLTS with NUTS	x4	x4	x4	x4	x4
 CONTROLLER VELCRO	x6	x6	x6	x6	x6
NYLON HANGING STRAPS	x2	x2	x2	x2	x2

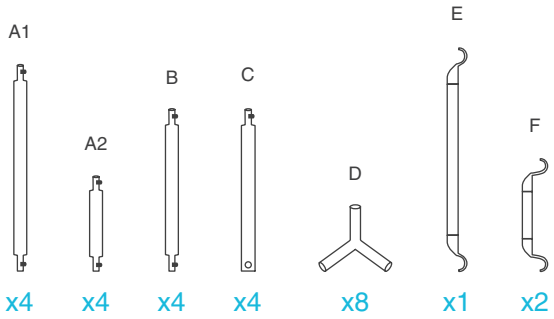
CLOUDLAB
PRODUCT CONTENTS

CLOUDLAB SERIES Included only with
CLOUDLAB 422 AC-CBA422
CLOUDLAB 722 AC-CBA722



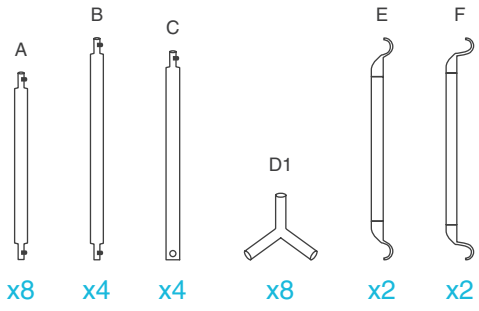
FRAME POLES

CLOUDLAB SERIES Included only with
CLOUDLAB 642 AC-CBA642



FRAME POLES

CLOUDLAB SERIES Included only with
CLOUDLAB 733 AC-CBA733
CLOUDLAB 844 AC-CBA844



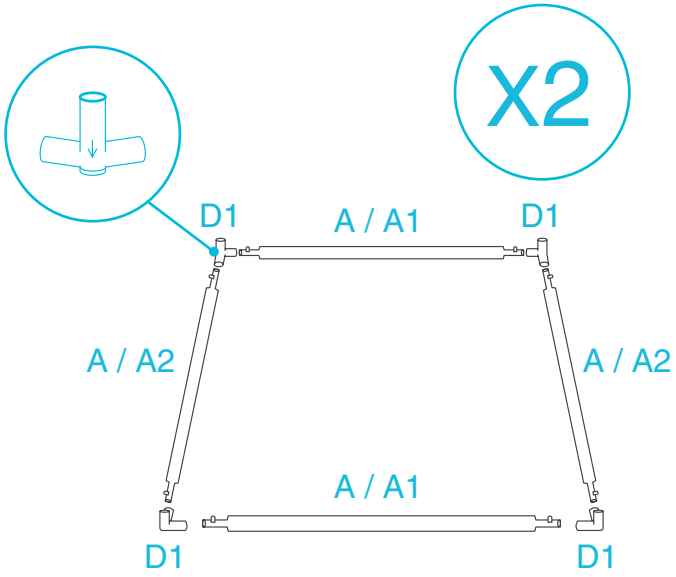
FRAME POLES

NOTE: Pole lengths may vary between all models.

CLOUDLAB
TENT SETUP

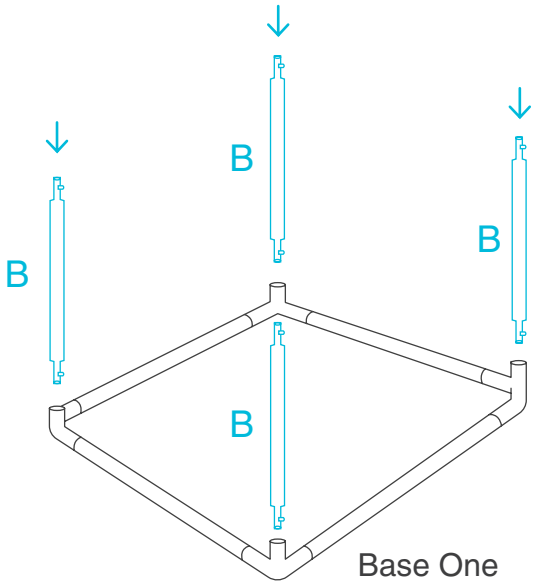
STEP 1
Insert the eight (A) poles* and into the floor end of the corner (D1) pieces to create two bases.

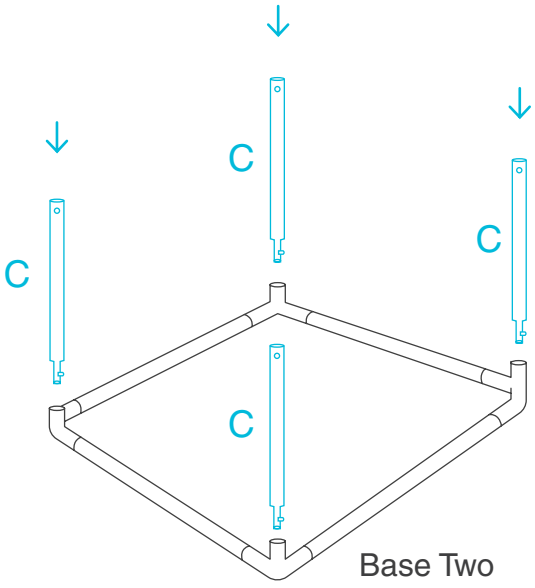
When assembling, make sure the feet of each corner (D1) piece faces the floor with the arrow facing down.



Poles in CLOUDLAB 642 are labeled A1 & A2.

STEP 2
Insert the four (B) poles into Base One.
Insert the four (C) poles into Base Two.



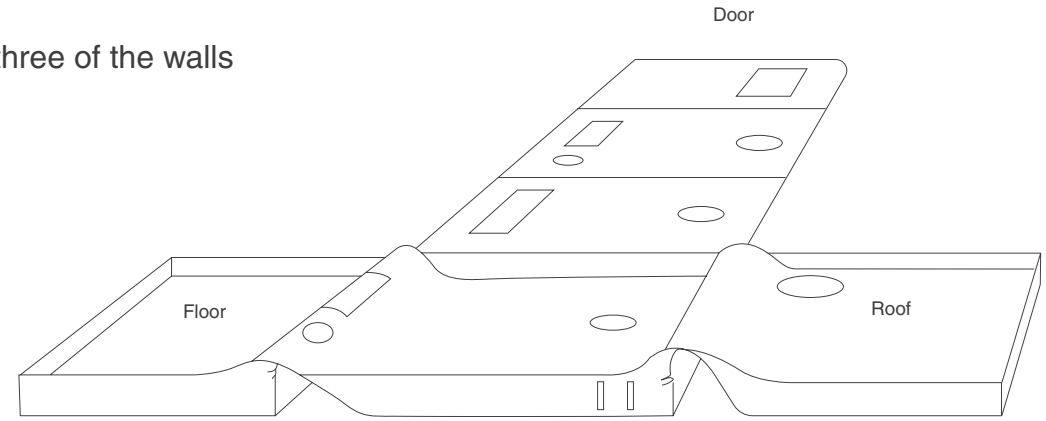


CLOUDLAB

TENT SETUP

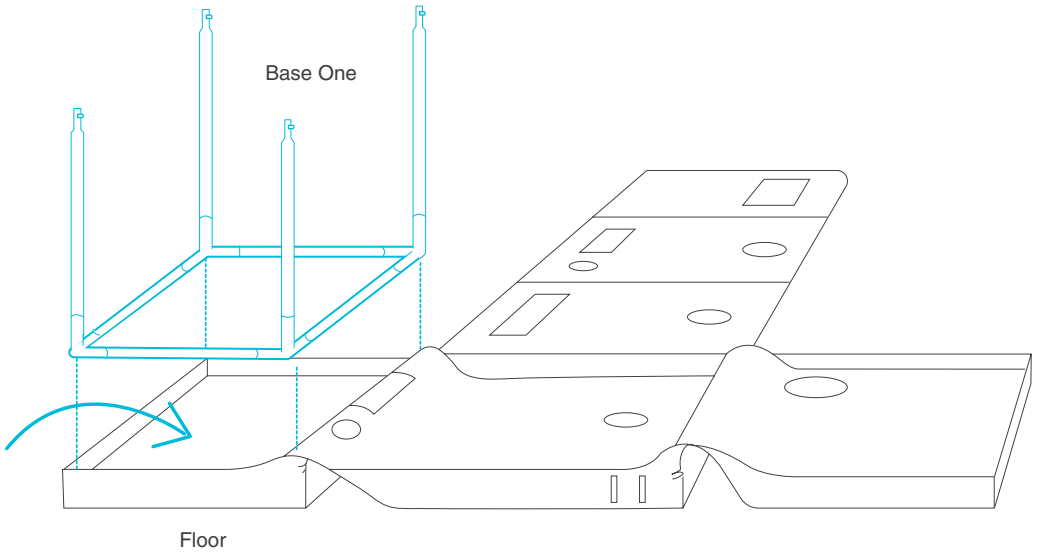
STEP 3

Unzip the tent so that three of the walls lay flat.



STEP 4

Guide Base One into the floor of the tent, making sure its corners meet the tent's corners.

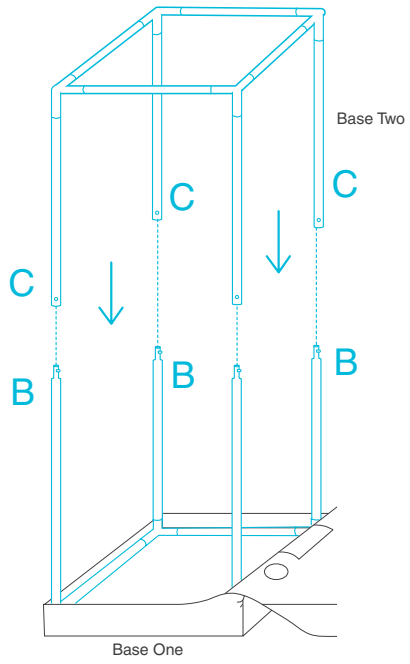


CLOUDLAB

TENT SETUP

STEP 5

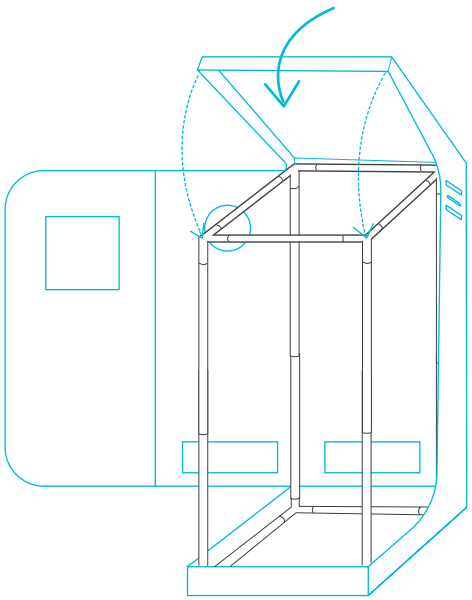
Insert the poles of Base Two into the poles of Base One to complete the frame.



Two people is recommended for this portion of the tent assembly.

STEP 6

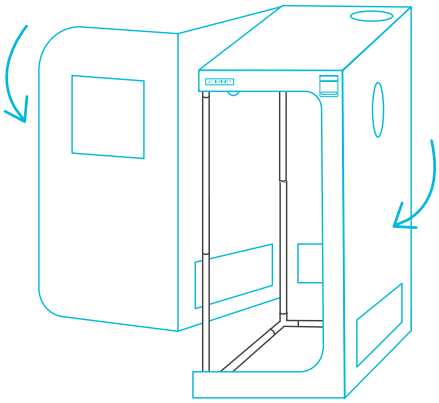
Pull the roof over the assembled frame.

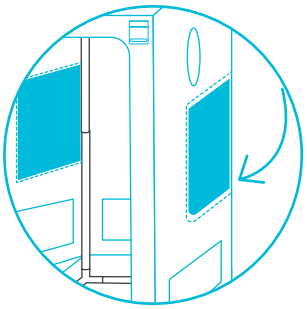


Two people is recommended for this portion of the tent assembly.

CLOUDLAB
TENT SETUP

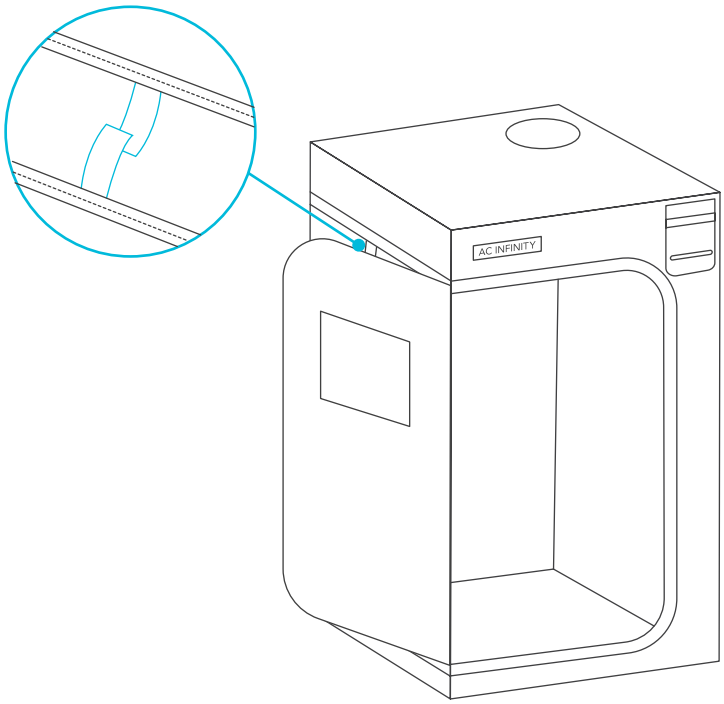
STEP 7
Pull the upper and lower zippers to close the walls and door.





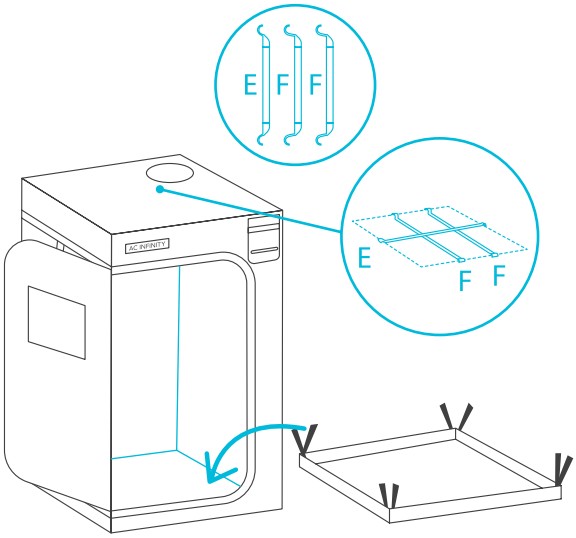
*CLOUDLAB 733 / 844 are built with additional side doors.

STEP 8
You can neatly hold the window wall open any time by using its attached Velcro strap.

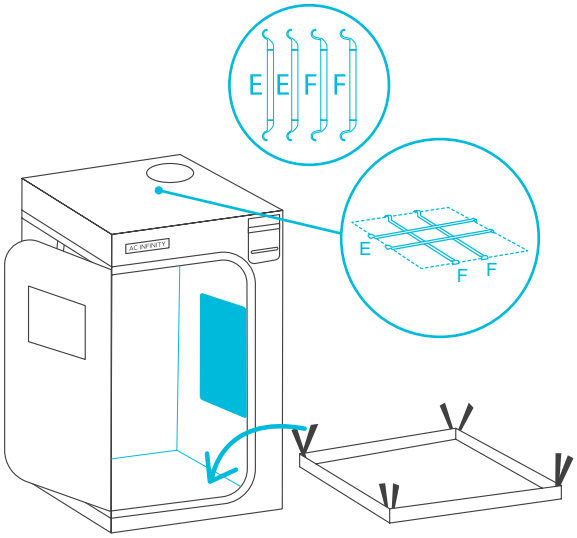


CLOUDLAB
TENT SETUP

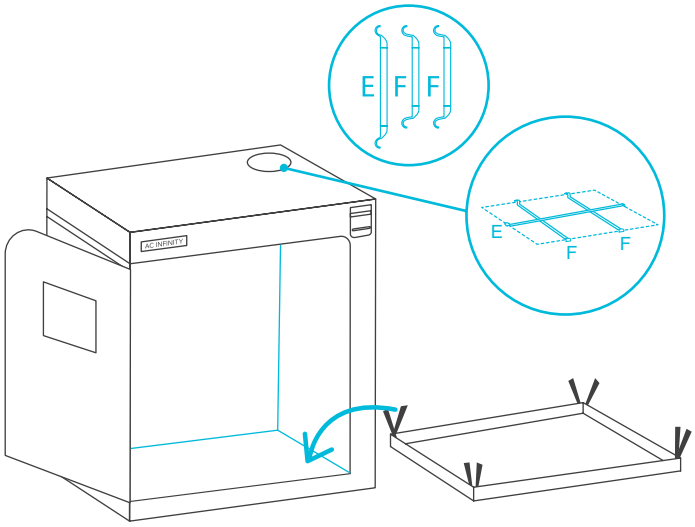
STEP 9
Add the roof support beams (E) then (F). Insert the spill pool into the tent and secure the Velcro straps around the poles.



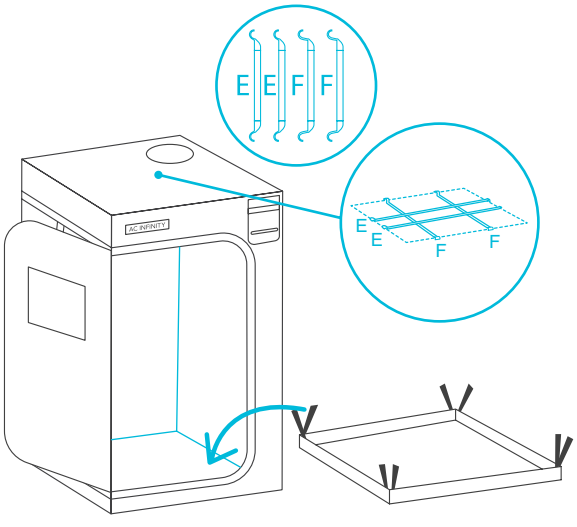
CLOUDLAB 422 / 722



CLOUDLAB 733



CLOUDLAB 642



CLOUDLAB 844

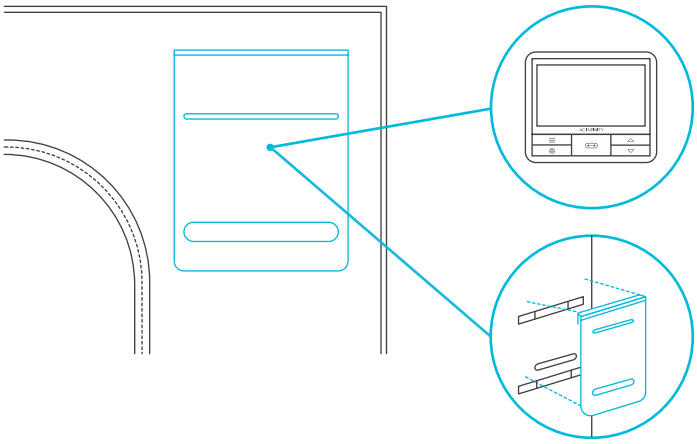
*CLOUDLAB 733 / 844 are built with additional side doors.

CLOUDLAB

CONTROLLER PLATE SETUP

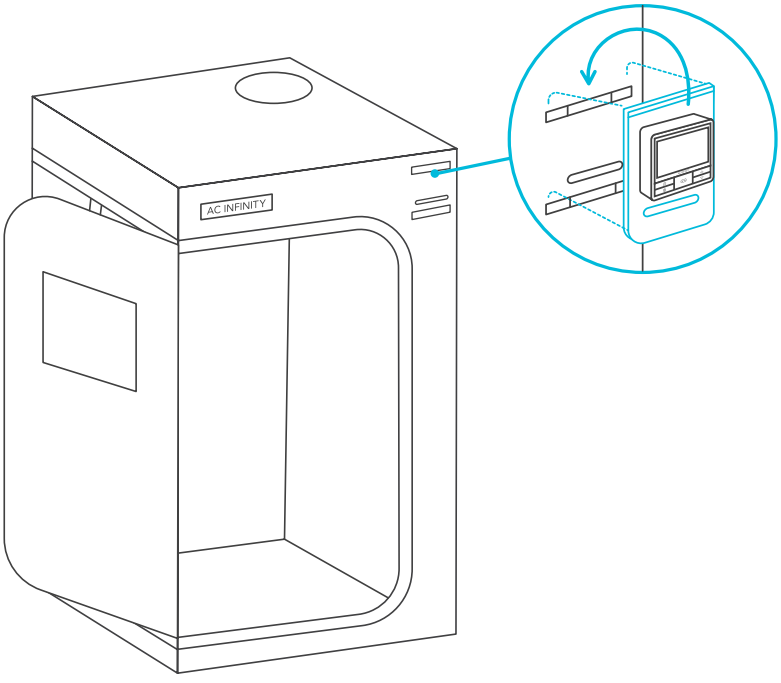
STEP 1

Magnetically mount the controller onto the bracket.



STEP 2

Slide the controller bracket assembly into the tent straps.



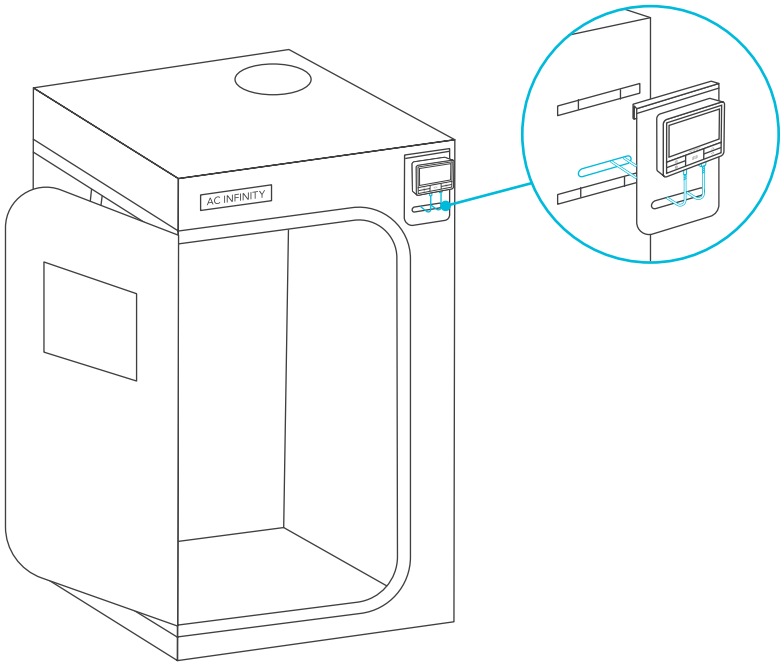
CLOUDLAB

CONTROLLER PLATE SETUP

STEP 3

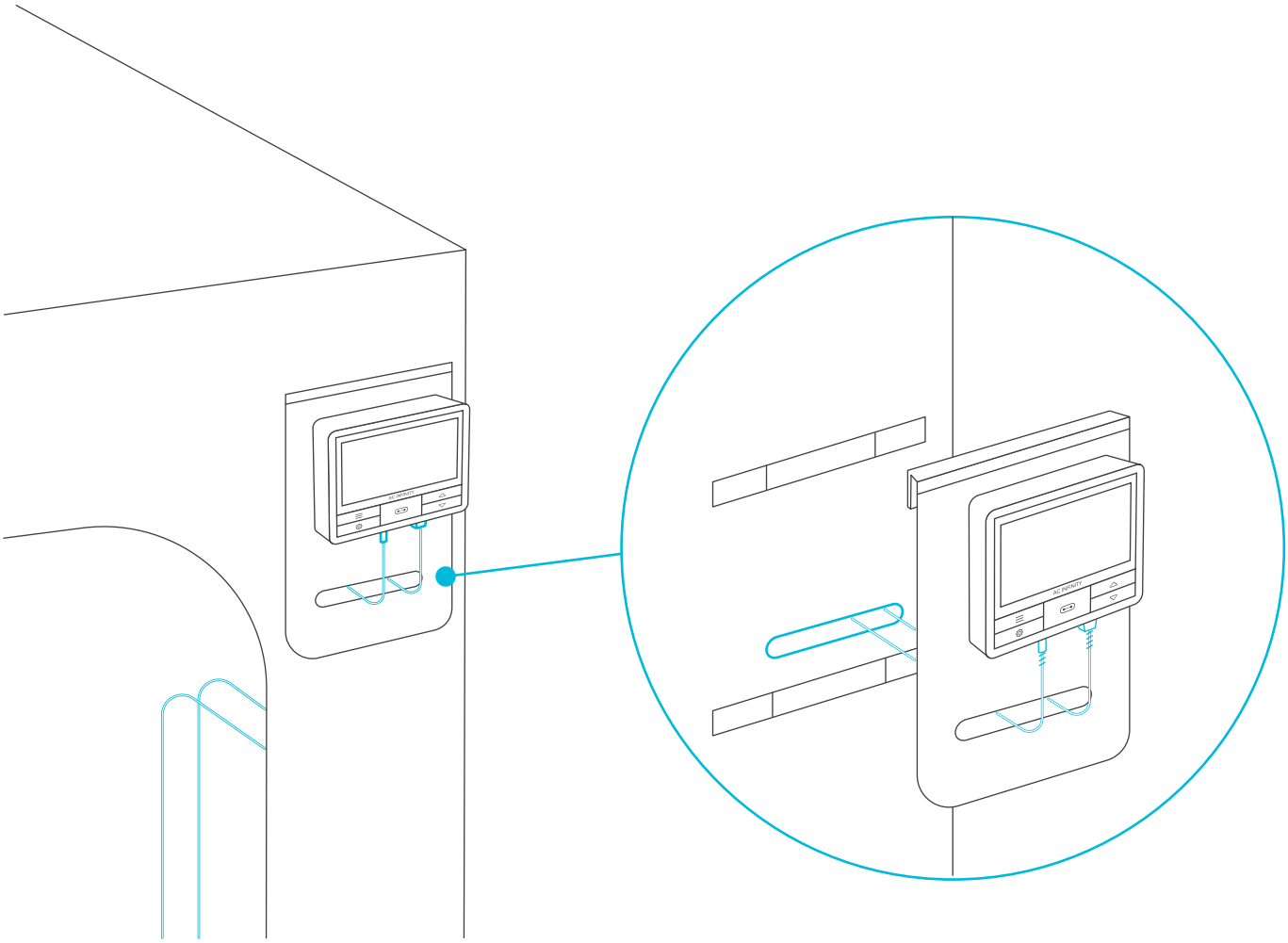
Route your inline duct fan's power connector through the opening inside and plug it into your controller.

Plug the probe into the controller and route its cables through the opening.



CLOUDLAB
MOUNTING GUIDE

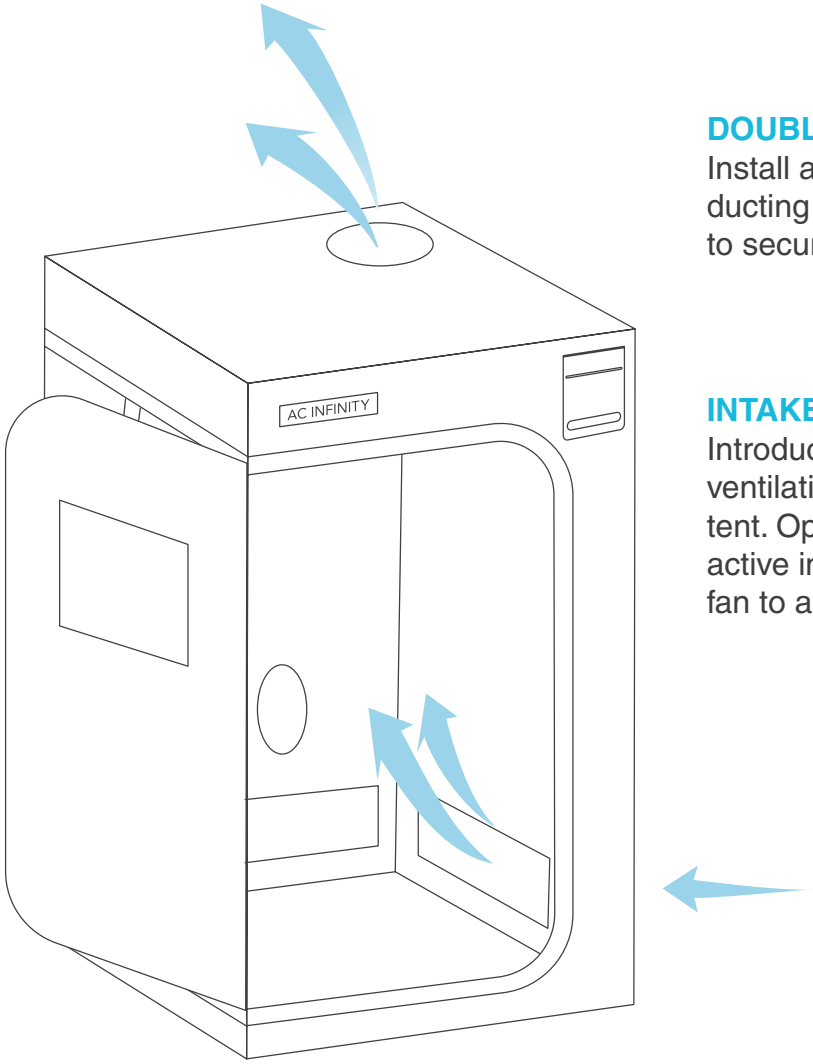
CONTROLLER PLATE
This grow tent includes a steel plate with a mounting slot for AC Infinity controllers. Mount your controller to the corresponding areas on the plate's slot. Route its wires through the oval opening and through the grow tent's flap. Some controller models may contain a hidden magnet on the backside, which can stick onto this plate without screws.



CLOUDLAB
VENTILATION GUIDE

INLINE FAN AND GROW LIGHT
First hang your inline duct fan to be use as an exhaust fan by the roof support beams. Position the intake fan at the bottom end so the intake air will be passive through the bottom vents. If you are installing a carbon filter inside, use the included straps to hang the carbon filter.

Then install your grow light. You may use rope clip hangers to install these products.



DOUBLE-SIDED CINCHES
Install any necessary duct tubes onto the ducting ports. Use the cinches on either end to secure the duct tubes onto the grow tent.

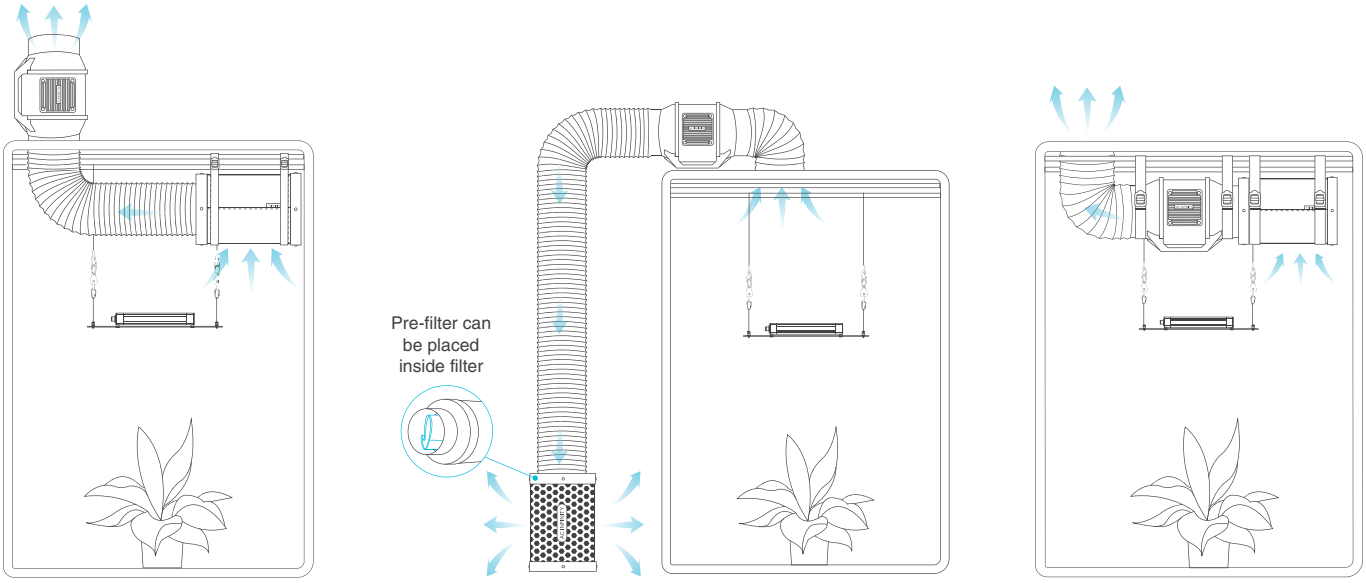
INTAKE HOLES
Introduce fresh air by using one of the two ventilation holes at the bottom of the grow tent. Open a passive intake screen or create active intake by attaching an additional inline fan to a duct port.

NEED MORE INFORMATION?
Scan the QR code or visit www.acinfinity.com for more guides and tutorials.

CLOUDLAB
CONFIGURATION SETUP

LIGHT AND VENTILATION PLACEMENT

There are many ways to configure these components to bring airflow into your grow space. A typical setup places the fan and the filter inside, which makes it easier to manage while dampening the fan noise. Both can be situated in any order within the ventilation chain if air is being pulled out of your grow space.



Fan Is Placed Outside The Tent

Filter Is Placed Outside The Tent

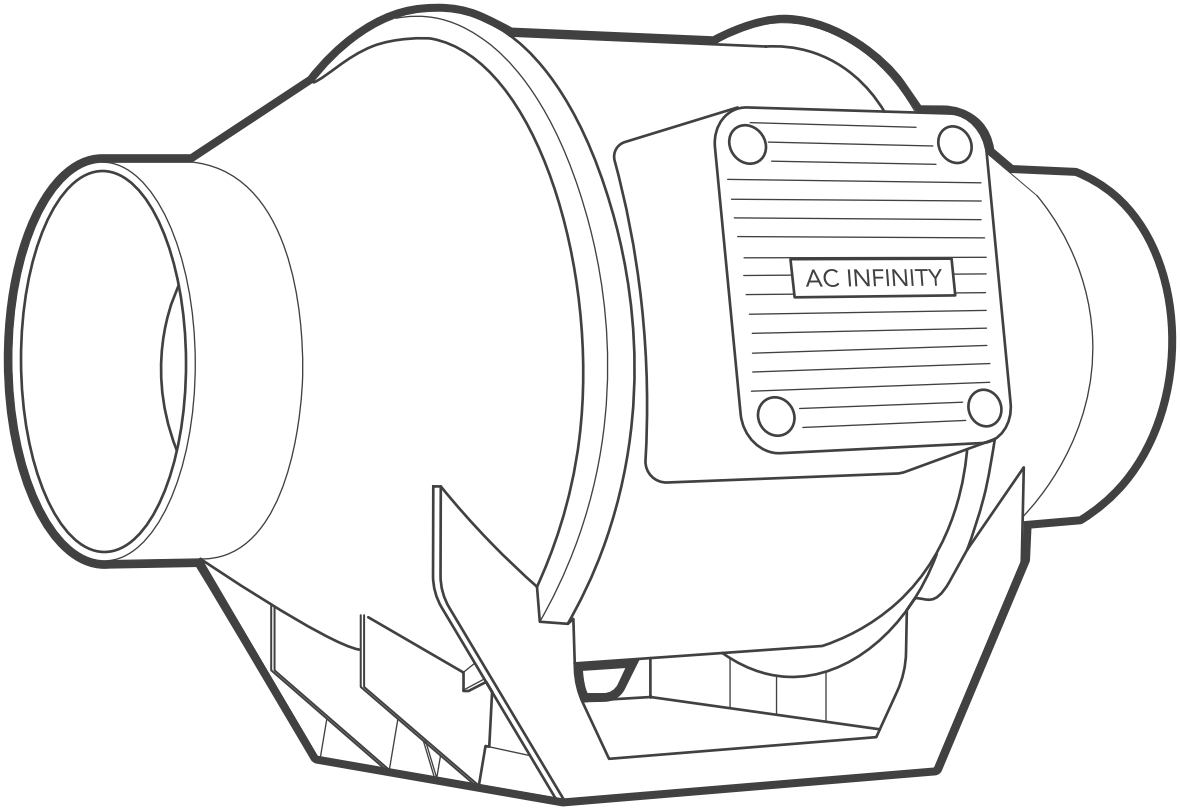
Fan and Filter placed Inside tent

For example, your grow lights might get in the way of your cooling equipment. In this case, you may set the fan and/or filter outside of your grow tent.

We recommend setting your extraction fan at the highest point possible. Since heat rises to the top, exhausting that hot air at that point will make the ventilation process efficient. Your carbon filter will also perform better if it's positioned at the highest point.

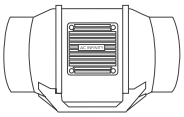
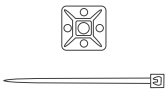
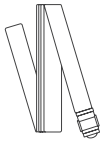
CLOUDLINE LITE

MIXED FLOW INLINE FAN SYSTEMS



CLOUDLINE LITE

PRODUCT CONTENTS

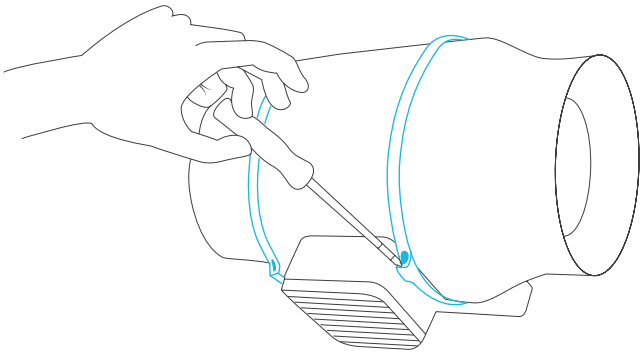
	Advance Grow Tent Kit (2x2) COMPACT AC-PKA22	Advance Grow Tent Kit (2x2) AC-PKB22	Advance Grow Tent Kit (2x4) AC-PKB24	Advance Grow Tent Kit (3x3) AC-PKB33	Advance Grow Tent Kit (4x4) AC-PKB44
 INLINE FAN	CLOUDLINE LITE A4 Inline Fan 4 in. x1	CLOUDLINE LITE A4 Inline Fan 4 in. x1	CLOUDLINE LITE A4 Inline Fan 4 in. x1	CLOUDLINE LITE A4 Inline Fan 4 in. x1	CLOUDLINE LITE A6 Inline Fan 6 in. x1
ZIP TIE WITH MOUNTING BASE AND SCREW	x6	x6	x6	x6	x6
 ZIP TIE WITH 3M BASE	x1	x1	x1	x1	x1
DUCT FAN MOUNTING SCREW WITH PLASTIC ANCHOR	x4	x4	x4	x4	x4
 NYLON HANGING STRAPS	x2	x2	x2	x2	x2

CLOUDLINE LITE

INSTALLATION: MOUNTING

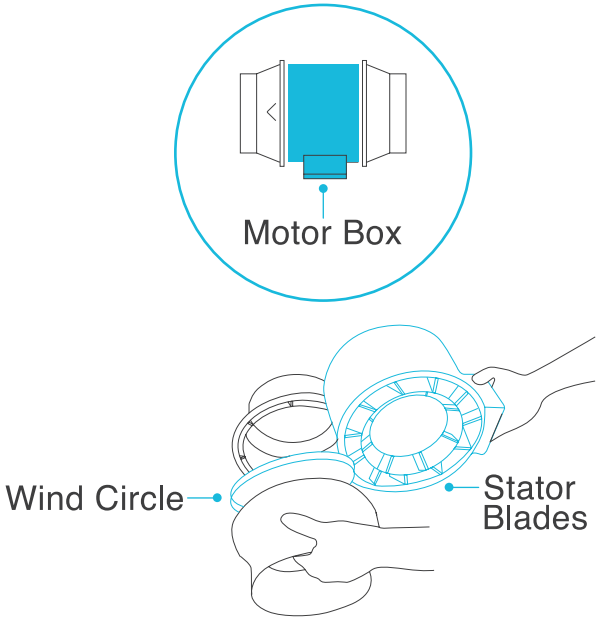
STEP 1

Unscrew the bolts on both sides from the plastic rings using a Philips screwdriver.



STEP 2

Remove the motor box from the flange bracket. Remove the wind circle between the motor box and the intake flange.

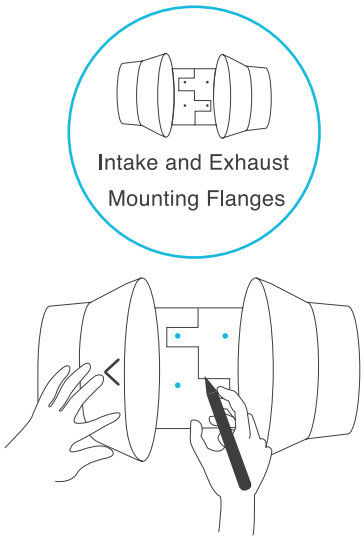


CLOUDLINE LITE

INSTALLATION: MOUNTING

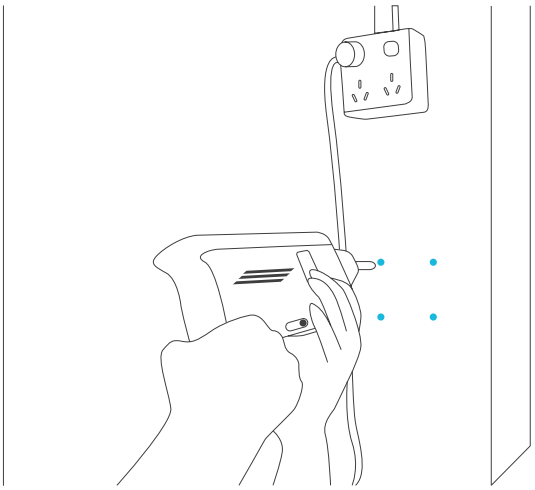
STEP 3

Use the flange bracket to set your desired fan position. Mark the four mounting holes.



STEP 4

Drill four holes into the marked locations. Make sure your mounting area is structurally sound and free from obstruction.

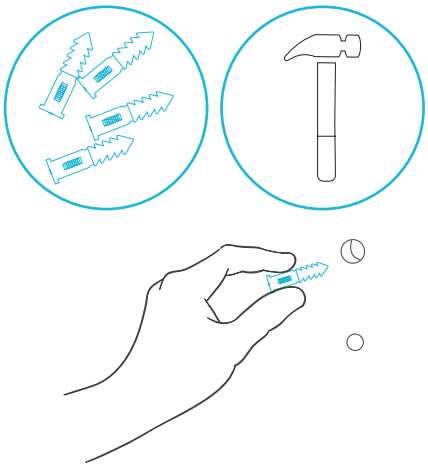


CLOUDLINE LITE

INSTALLATION: MOUNTING

STEP 5

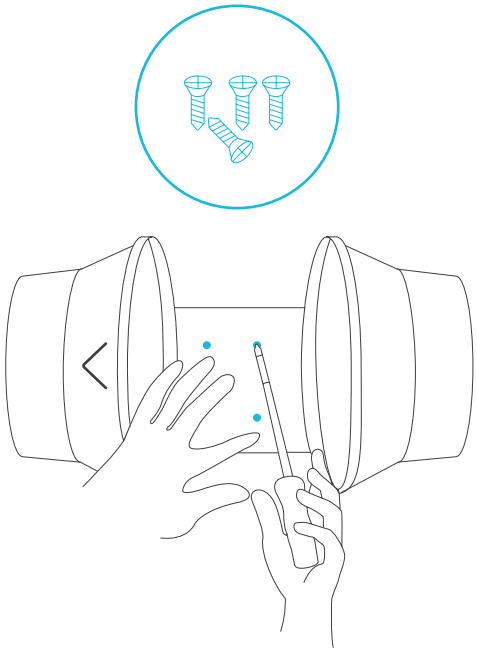
If you are mounting onto anything other than a wood support or stud, insert the included four wall anchors into the drilled mounting holes. You may need to use a hammer to secure them through the holes.



STEP 6

Align the flange bracket's holes with the wall anchors. Screw in four wood screws with a screwdriver or drill to secure the flange bracket.

Make sure its airflow arrow is pointing in your desired direction.

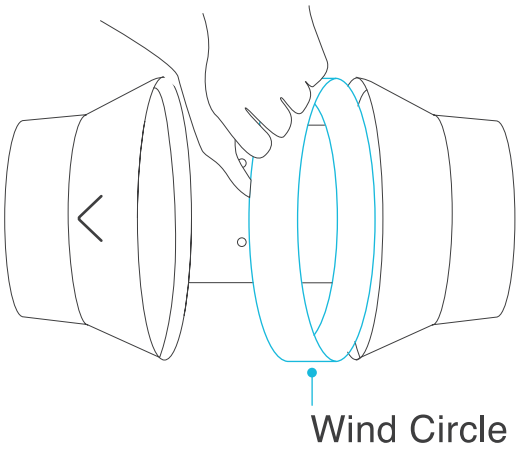


CLOUDLINE LITE

INSTALLATION: MOUNTING

STEP 7

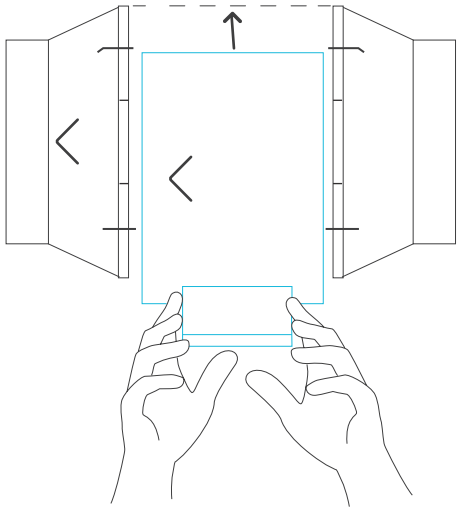
Place the wind circle back into the intake flange.



STEP 8

Slide the motor box back into the flange bracket, making sure its airflow arrow is pointing in the same direction as the flange bracket's arrow.

Screw the bolts back into the plastic rings to secure the motor box to the flange bracket.



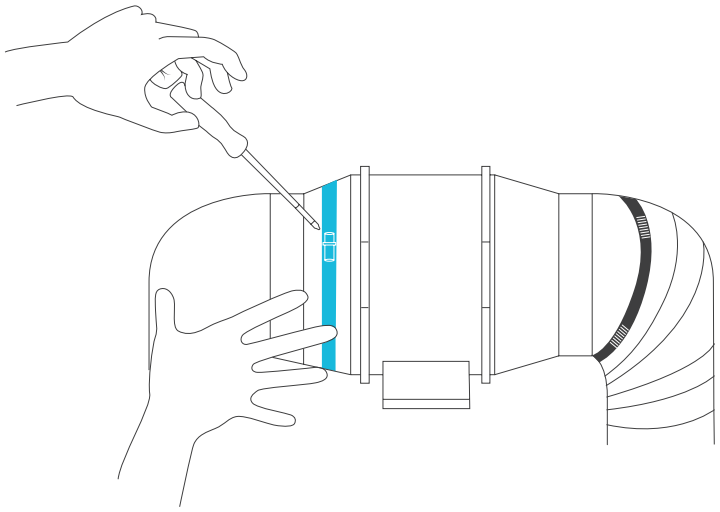
CLOUDLINE LITE

INSTALLATION: MOUNTING

STEP 9

If installing ducting, use the included duct clamps to secure it to either end of the duct fan, making sure there is a tight seal.

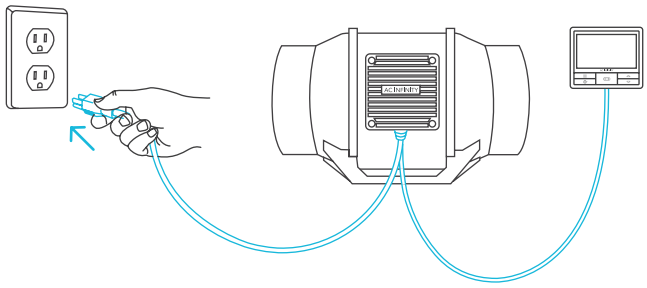
Tighten the duct clamps using a flathead screwdriver.



POWERING AND SETUP

Plug the fan's power cord into an AC power outlet to power it and the controller.

Refer to page 68 for controller installation instructions.

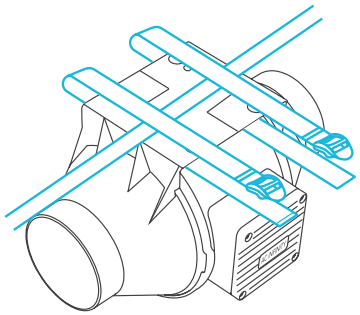


CLOUDLINE LITE

INSTALLATION: HANGING - STRAPS

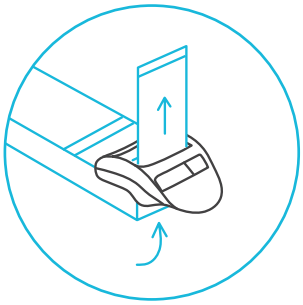
STEP 1

Loop the strap around the bracket and a pole.



STEP 2

Slip the strap through the inner ladder lock slot from the bottom.

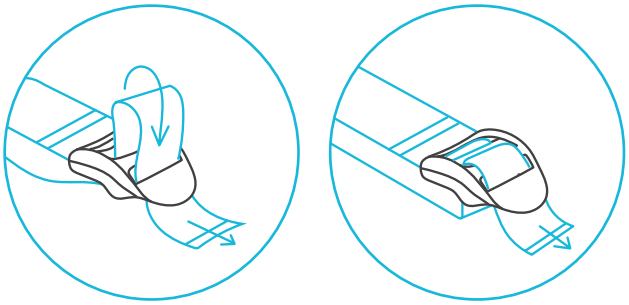


CLOUDLINE LITE

INSTALLATION: HANGING - STRAPS

STEP 3

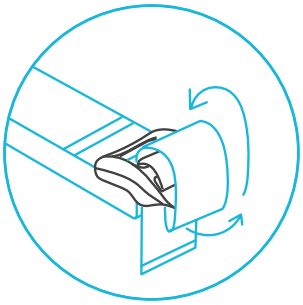
Route the strap into the outer ladder lock slot from the top. Adjust the length of the completed loop as needed.



Adjust to size

STEP 4

Tuck the loose end through the center gap of the ladder lock to secure the loop.



Loop through middle to lock in place

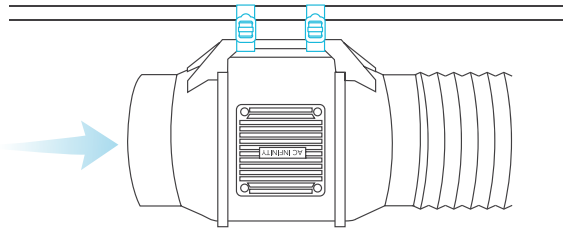
CLOUDLINE LITE

INSTALLATION: HANGING - STRAPS

STEP 5(a) - Hanging Downward

Let the fan hang by the pole once the straps are secure.

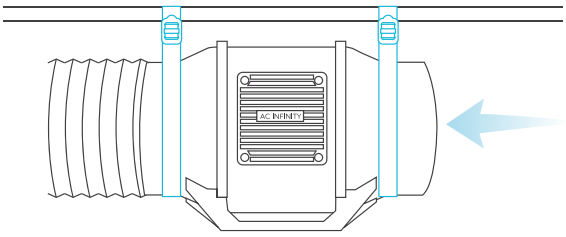
Make sure the fan's airflow arrow is pointing towards your desired direction.



STEP 5(b) - Hanging Upward

To hang the fan right-side up, loop and tighten the straps, as shown in steps 1-4, around the pole.

Hang the fan by the duct flanges to secure it.

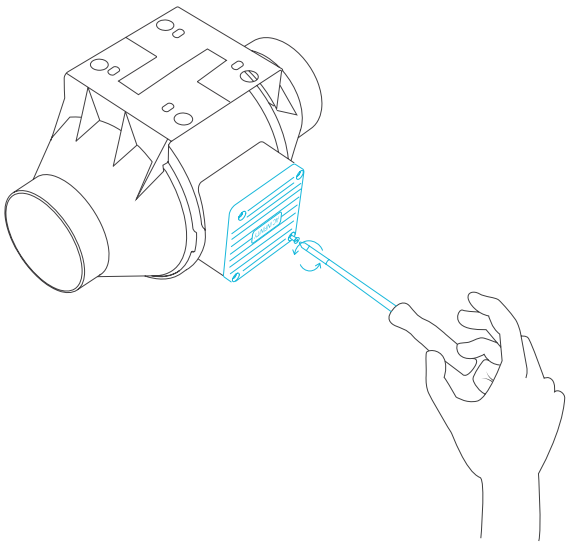


CLOUDLINE LITE

INSTALLATION: MOTOR CAP

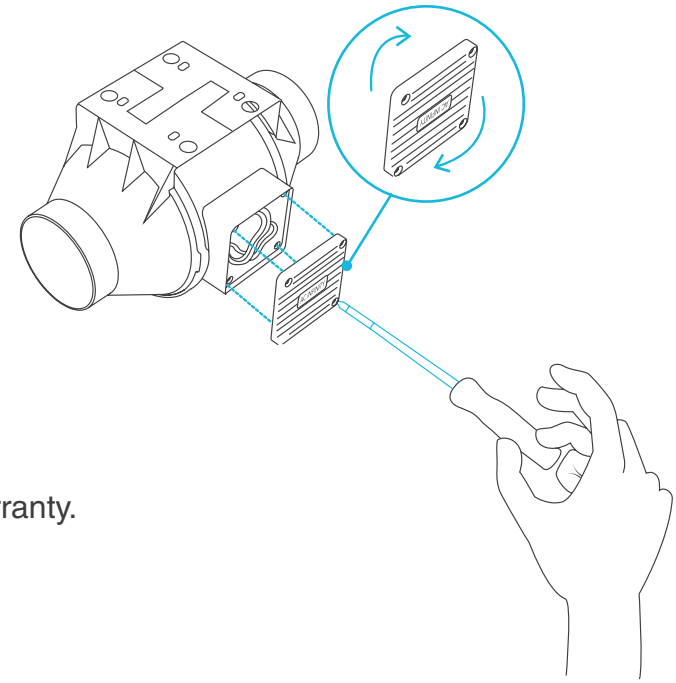
STEP 1

Unscrew the motor cap using a screwdriver.



STEP 2

Rotate the motor cap to your desired orientation. Reapply the screws.



Rotating the motor cap will not void your warranty.

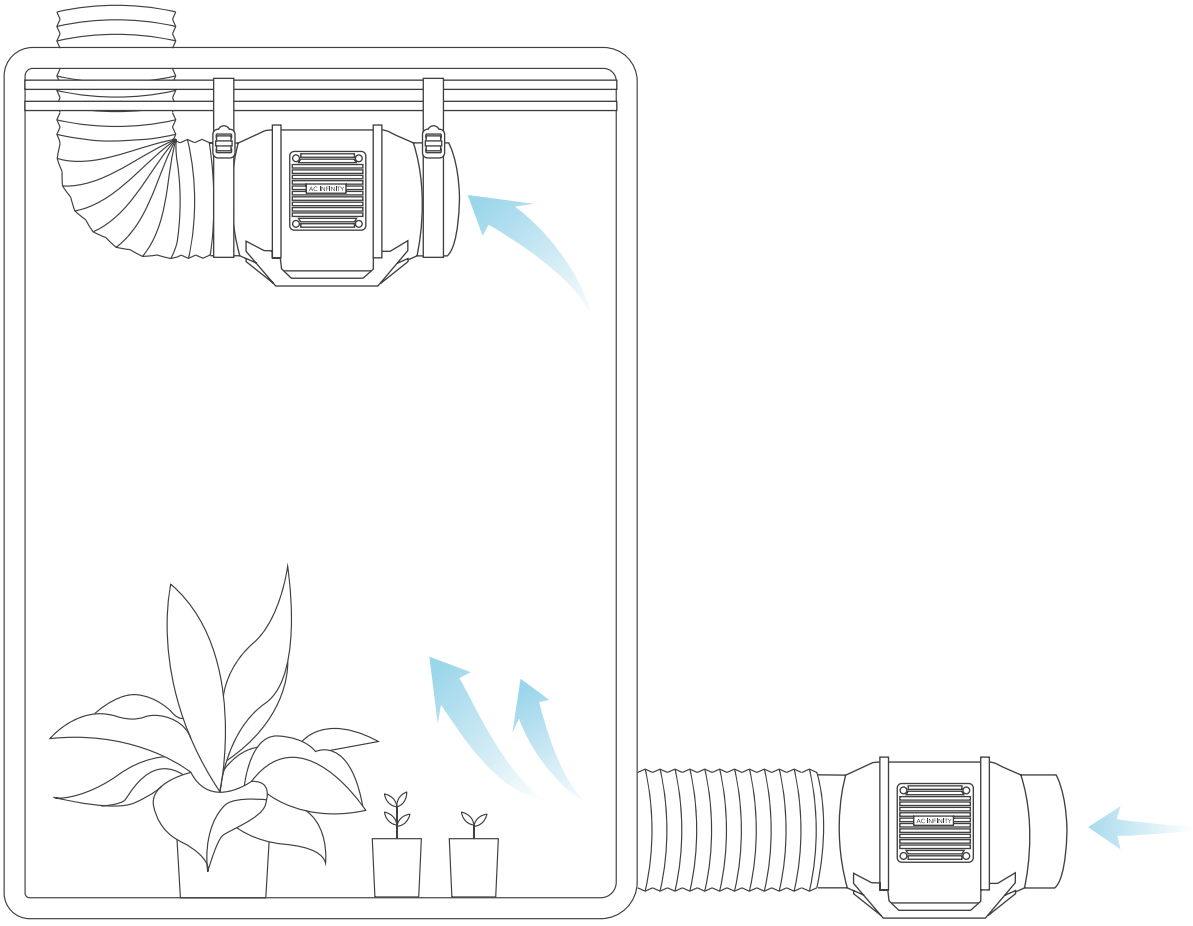
CLOUDLINE LITE

CONFIGURATION SET-UP

INTAKE AND EXHAUST

This fan can be used as either an intake fan or an exhaust fan in grow rooms and larger grow tents. To achieve optimal whole space ventilation, the intake fan or opening—if not using a fan—must be situated at a bottom corner of your grow space. The exhaust fan must be hung (shown below) or mounted at the highest opposite corner possible.

Make sure the intake fan's airflow arrow is pointing towards your grow space and the exhaust fan's arrow pointing away from your grow space.

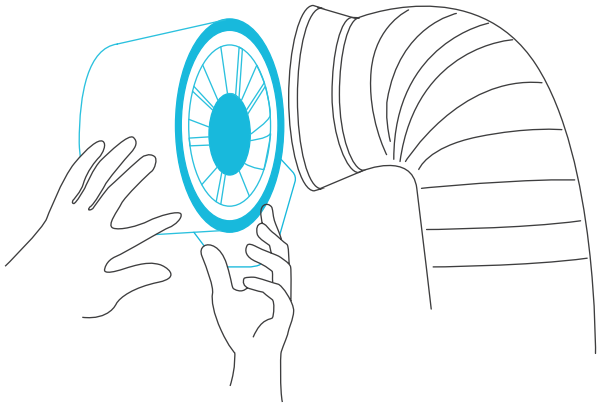


CLOUDLINE LITE

CLEANING

STEP 1

Remove the motor box from the mounting flange. Refer to steps 1-2 on page 28 to learn how to remove the motor box.



STEP 2

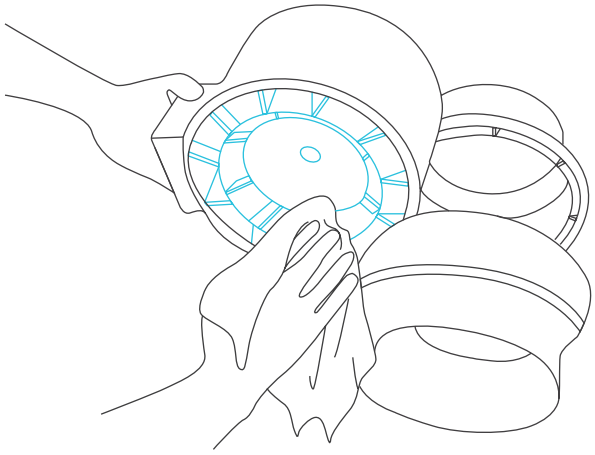
Use a damp cloth to clear the impeller and fan blades of any dust and debris. Remove the wind circle in between the motor box and input flange.

CLOUDLINE LITE

CLEANING

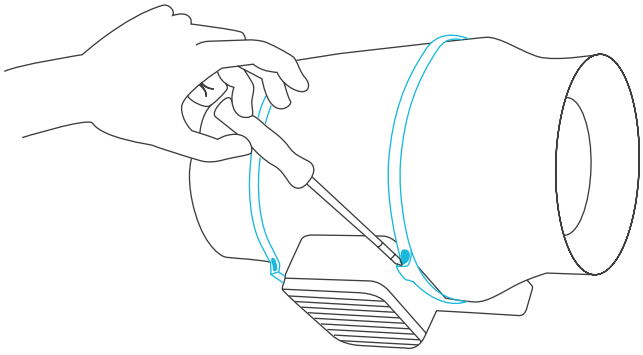
STEP 3

Clear the stator blades of any dust and debris on the opposite end. Clean the area inside the output and exhaust flanges.



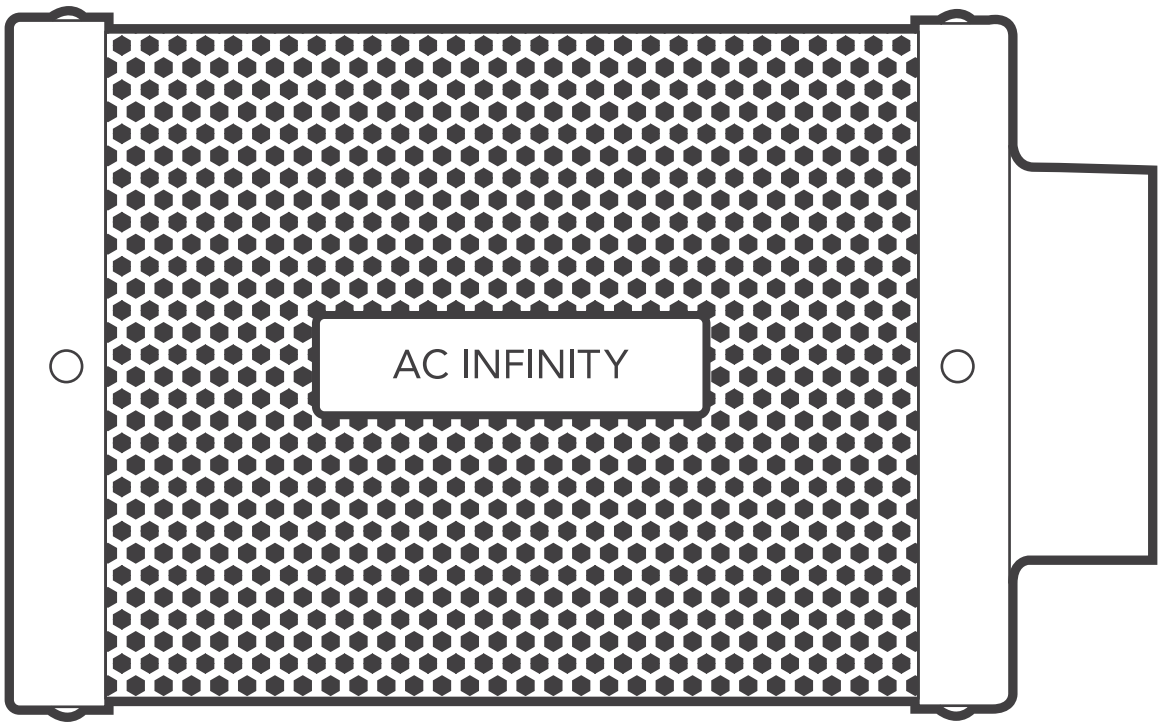
STEP 4

Secure the motor box onto the mounting flanges. Refer to steps 7-9 on pages 31-32 to learn how to secure the motor box.



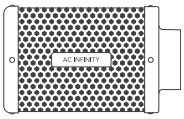
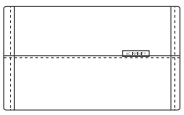
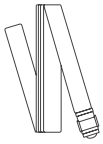
DUCT CARBON FILTER

PREMIUM AUSTRALIAN CHARCOAL



CARBON FILTER

PRODUCT CONTENTS

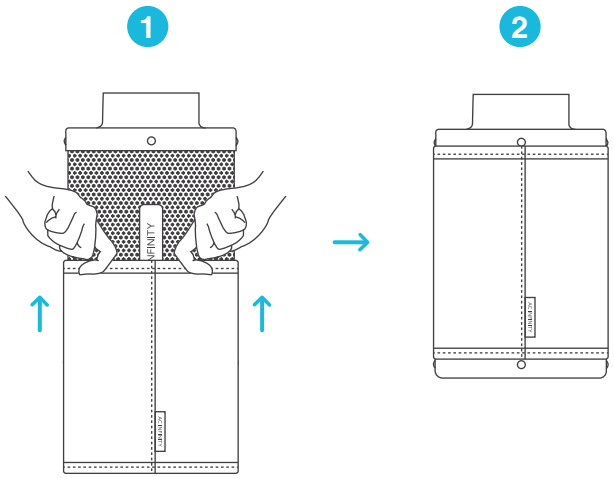
	Advance Grow Tent Kit (2x2) COMPACT AC-PKA22	Advance Grow Tent Kit (2x2) AC-PKB22	Advance Grow Tent Kit (2x4) AC-PKB24	Advance Grow Tent Kit (3x3) AC-PKB33	Advance Grow Tent Kit (4x4) AC-PKB44
 CARBON FILTER	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 4 in. x1	Inline Carbon Filter, 6 in. x1
 PREFILTER CLOTH	4 in. x2	4 in. x2	4 in. x2	4 in. x2	6 in. x2
 NYLON HANGING STRAPS	x2	x2	x2	x2	x2

CARBON FILTER

INSTALLATION

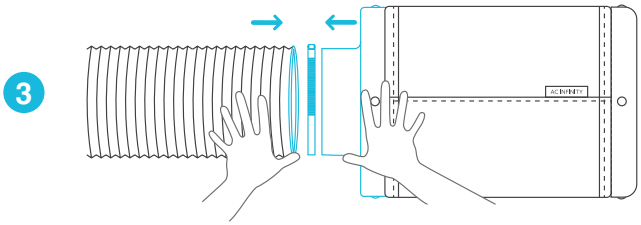
STEP 1

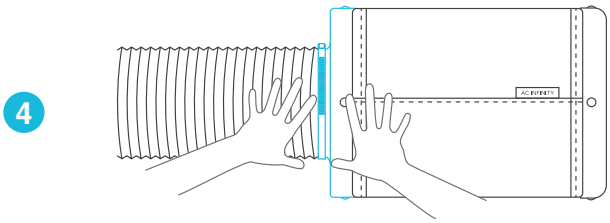
Slip the cloth over your filter to block dust and other particles from passing through. Make sure the entire metal mesh is covered by the cloth.



STEP 2

Connect your duct tube over your filter. Use duct clamps to secure the connection. You may also apply ducting tape before using the duct clamps for even further security.



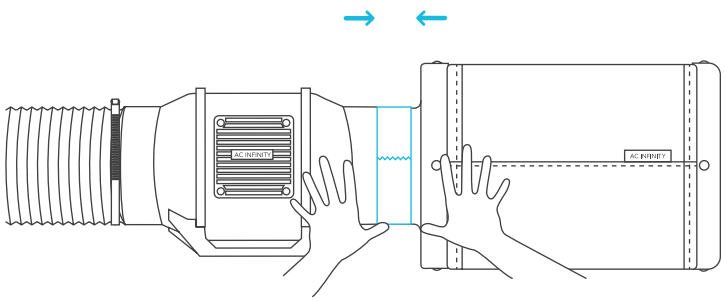


CARBON FILTER

INSTALLATION

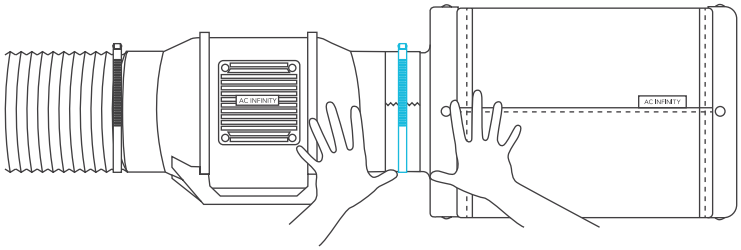
STEP 3

You may also connect your filter directly to your inline duct fan. Use ducting tape to secure them together.



STEP 4

If your filter is placed in a humid space, position it at the highest point possible.

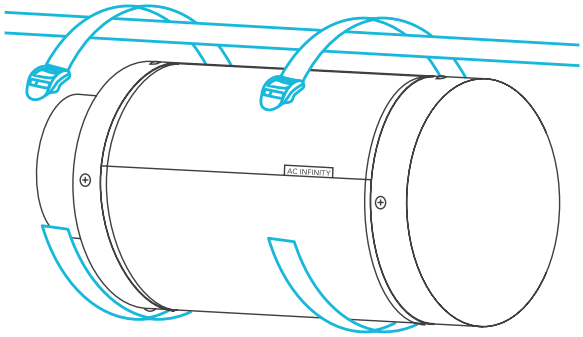


CARBON FILTER

INSTALLATION: OVERHEAD HANGING

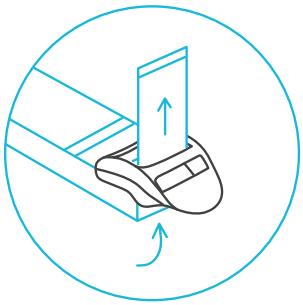
STEP 1

Loop the strap around a hanging pole.



STEP 2

Slip the strap through the inner ladder lock slot from the bottom.

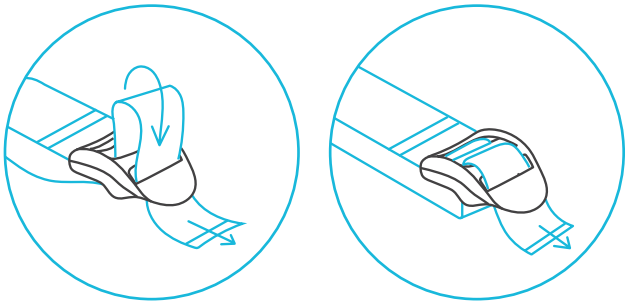


CARBON FILTER

INSTALLATION: OVERHEAD HANGING

STEP 3

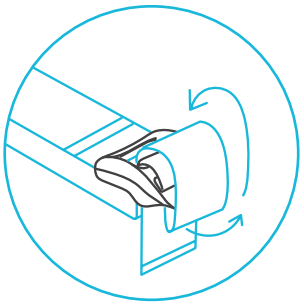
Route the strap into the outer ladder lock slot from the top. Adjust the length of the completed loop as needed.



Adjust to size

STEP 4

Tuck the loose ends through the center gap of the ladder lock to secure the loop.



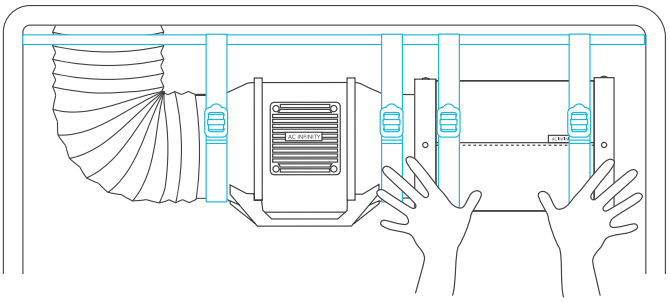
Loop through middle to lock in place

CARBON FILTER

INSTALLATION: OVERHEAD HANGING

STEP 5

Connect your filter to your ductwork using your preferred method, as shown on pages 42-43.

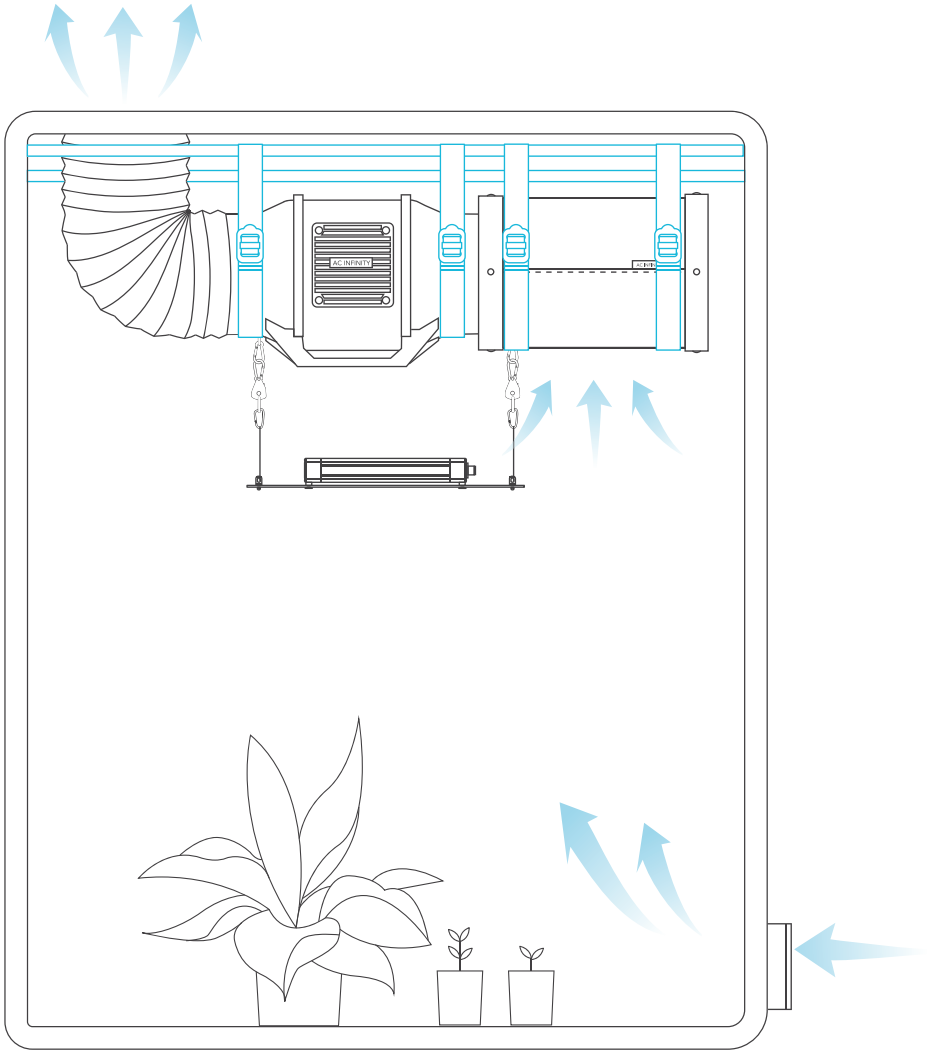


CARBON FILTER

CONFIGURATION SET-UP

INTERIOR HANGING

To use this filter in intake applications, place the filter inside your grow space. Make sure your filter is connected to your inline duct fan's intake end before completing the installation.

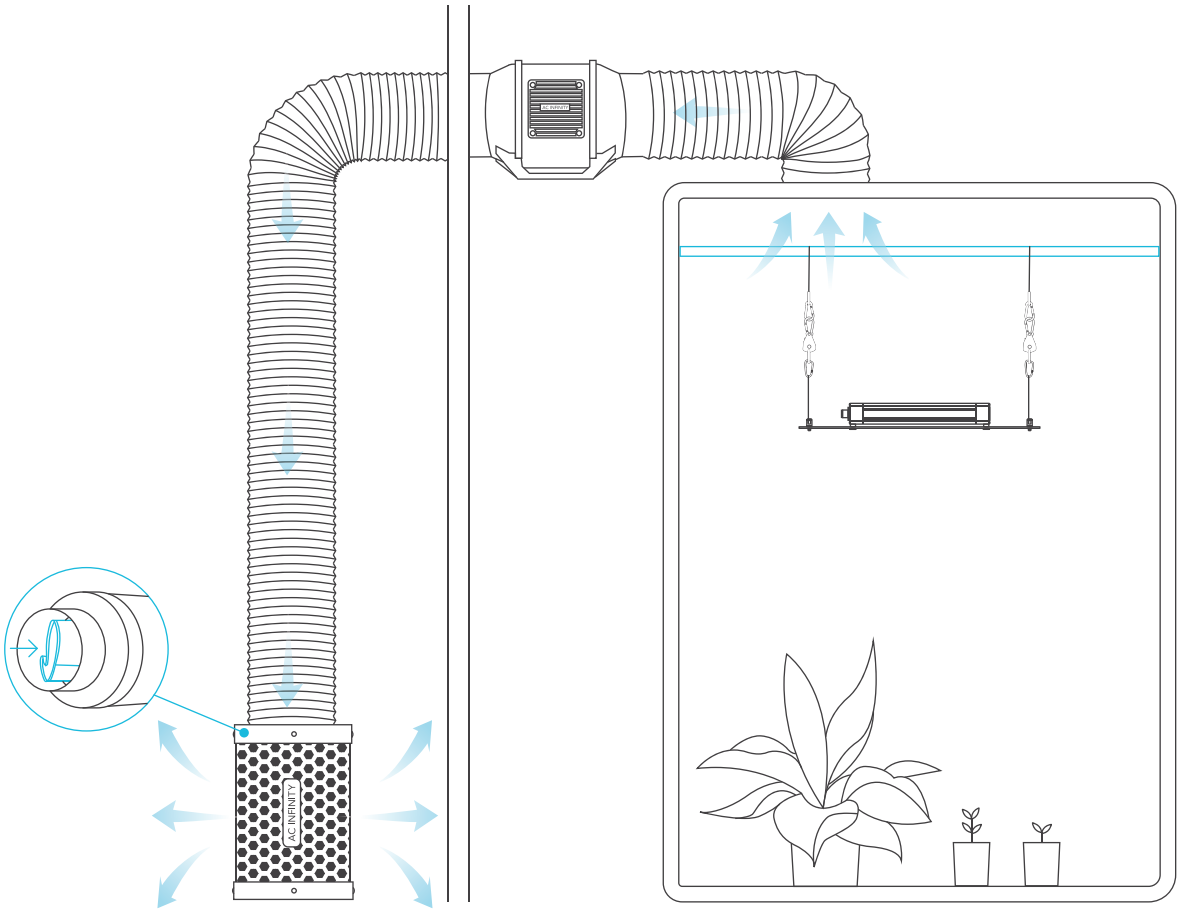


CARBON FILTER

CONFIGURATION SET-UP

EXTERIOR MOUNTING

To use this filter in exhaust applications, place the filter outside of your grow space. Make sure your filter is connected to your inline duct fan's exhaust end before completing the installation. Stuff the prefilter inside of the filter to lengthen the carbon bed's lifespan.

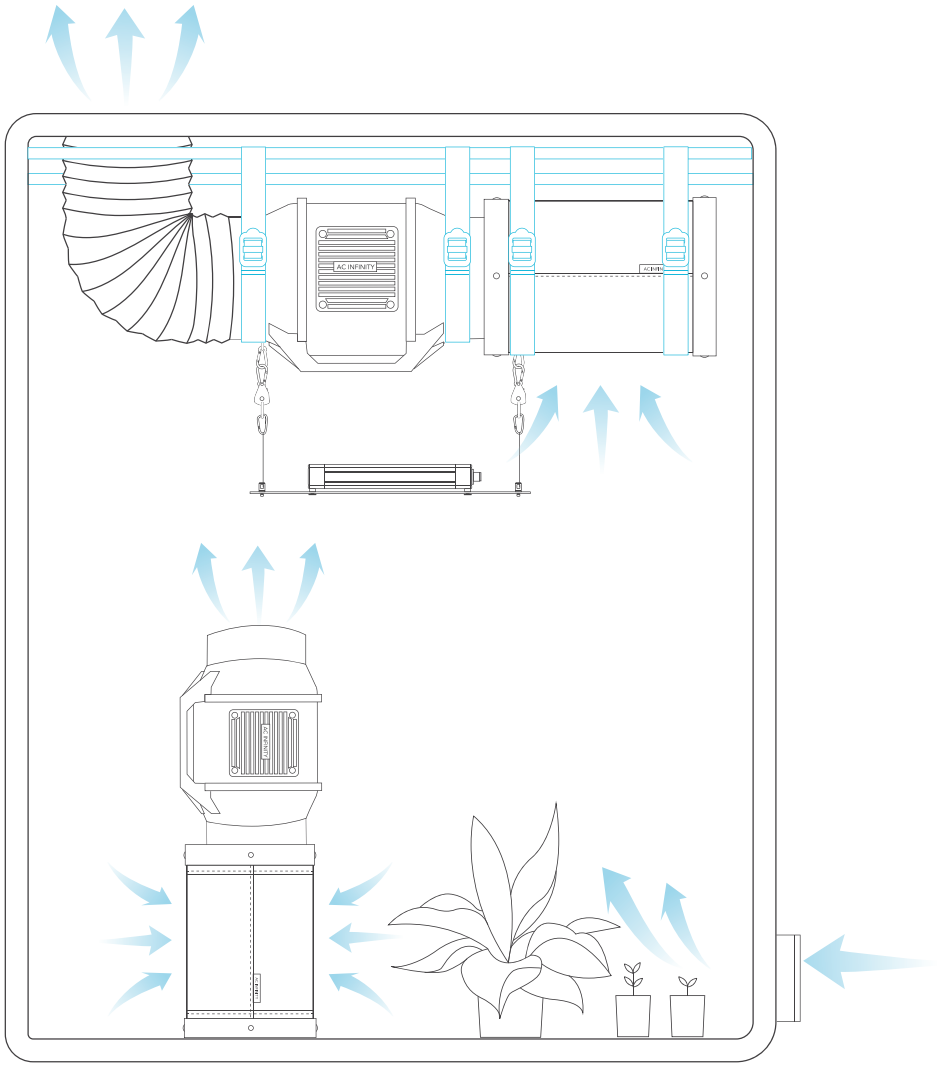


CARBON FILTER

CONFIGURATION SET-UP

OVERSIZED GROW SPACE

Use a dual fan and filter combination inside your grow space to completely scrub away odor in larger grow rooms and tents. Set the secondary filter on the floor and the inline fan on top of it so that the exhaust end points up.



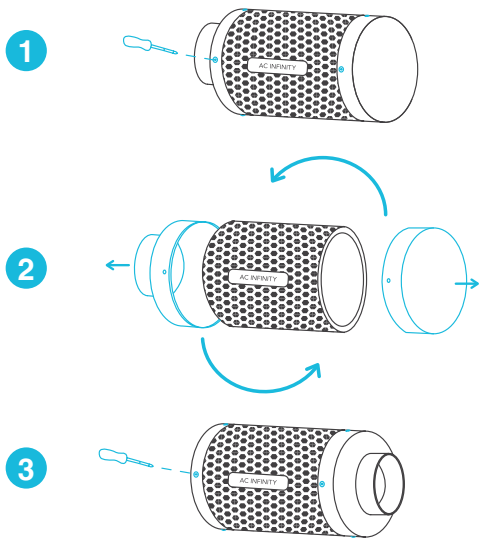
CARBON FILTER

MAINTENANCE

REVERSING THE FLANGES

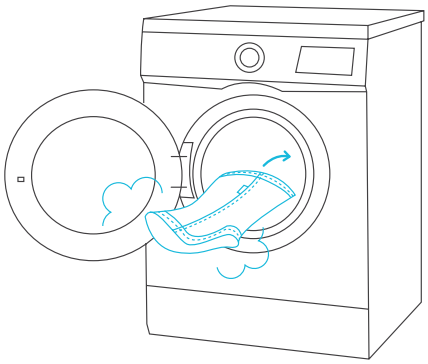
To extend the filter's lifespan and utilize its entire carbon bed, rotate the flanges from either end.

Remove the screws from the flanges to release them from the filter. Replace the flanges on the other ends and screw them back into place.

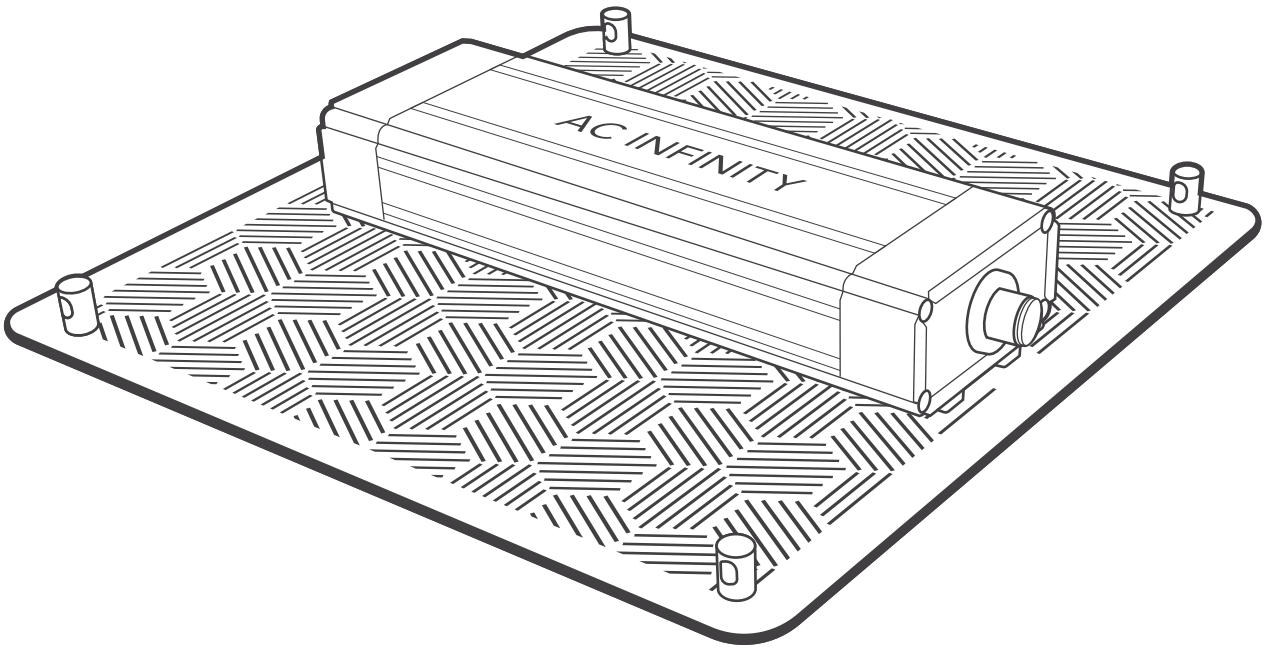


WASHING THE PREFILTER

Wash the reusable cloth as needed to clear it of any dust and build-up. This will further extend the lifespan of the filter.

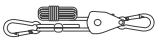
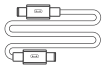
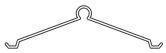
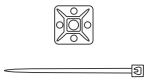


IONBOARD
GROW LIGHT SYSTEM



IONBOARD

PRODUCT CONTENTS

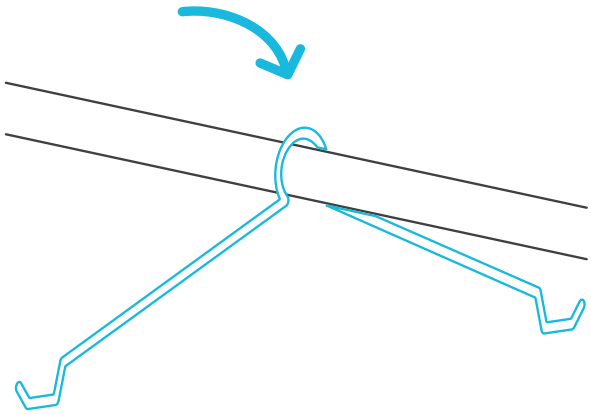
	Advance Grow Tent Kit (2x2) COMPACT AC-PKA22	Advance Grow Tent Kit (2x2) AC-PKB22	Advance Grow Tent Kit (2x4) AC-PKB24	Advance Grow Tent Kit (3x3) AC-PKB33	Advance Grow Tent Kit (4x4) AC-PKB44
LED GROW LIGHT	IONBOARD S22, 2x2 Coverage x1	IONBOARD S22, 2x2 Coverage x1	IONBOARD S24, 2x4 Coverage x1	IONBOARD S33, 3x3 Coverage x1	IONBOARD S44, 4x4 Coverage x1
 ROPE CLIP HANGERS	x2	x2	x2	x2	x2
 CONTROLLER CORD	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1	UIS Male-Male Controller Cord, 6 ft. x1
 HANGING HOOK	x2	x2	x2	x2	x2
 ZIP TIE WITH 3M BASE	x1	x1	x1	x1	x1

IONBOARD

INSTALLATION: IONBOARD S22 / S24

STEP 1

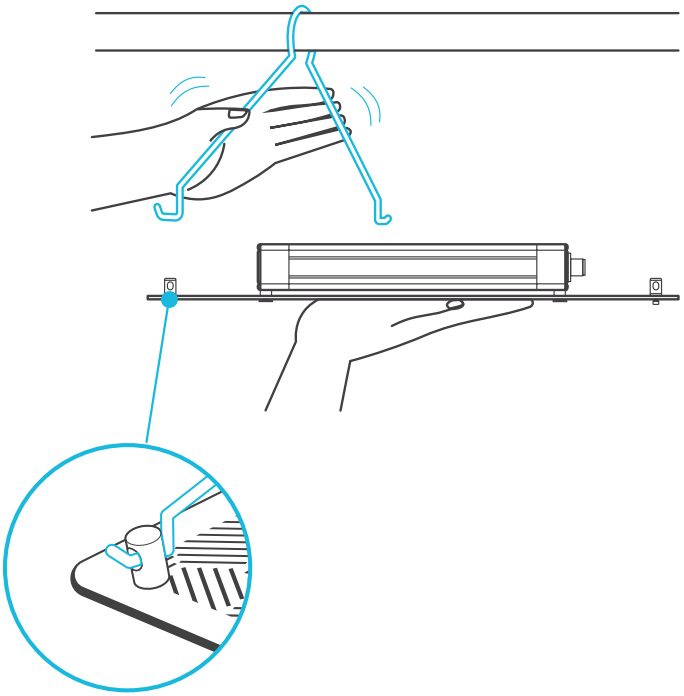
Hang the steel hooks over your grow tent's support beams.



STEP 2

While supporting your grow light, bend the steel hooks to insert the ends into the slotted holes of the end caps.

Repeat this step on the other side of your grow light.

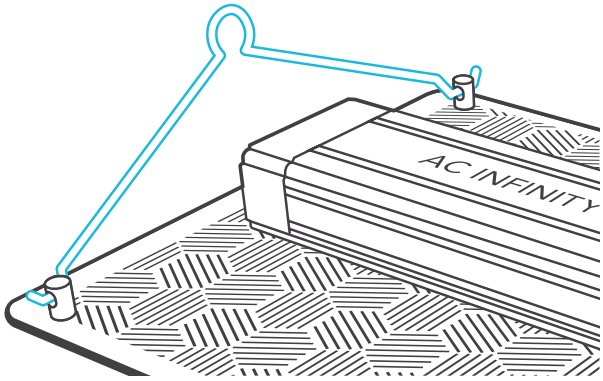


IONBOARD

INSTALLATION: IONBOARD S33 / S44

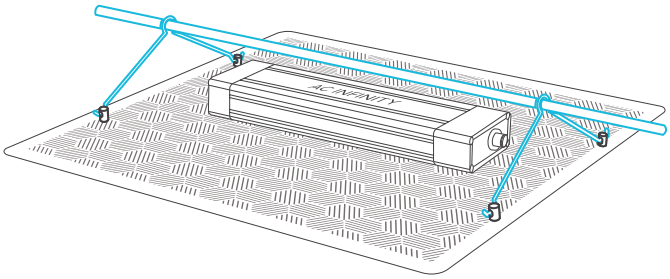
STEP 1

Insert the steel hooks into your grow light's slotted holes of the end caps.



STEP 2

Position your grow tent's pole under the steel hooks. Install the pole onto your grow tent's frame.



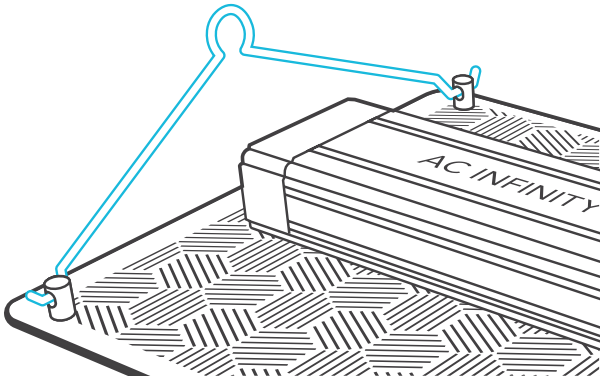
*Two people is recommended for this installation.

IONBOARD

INSTALLATION: ROPE CLIP HANGING

STEP 1

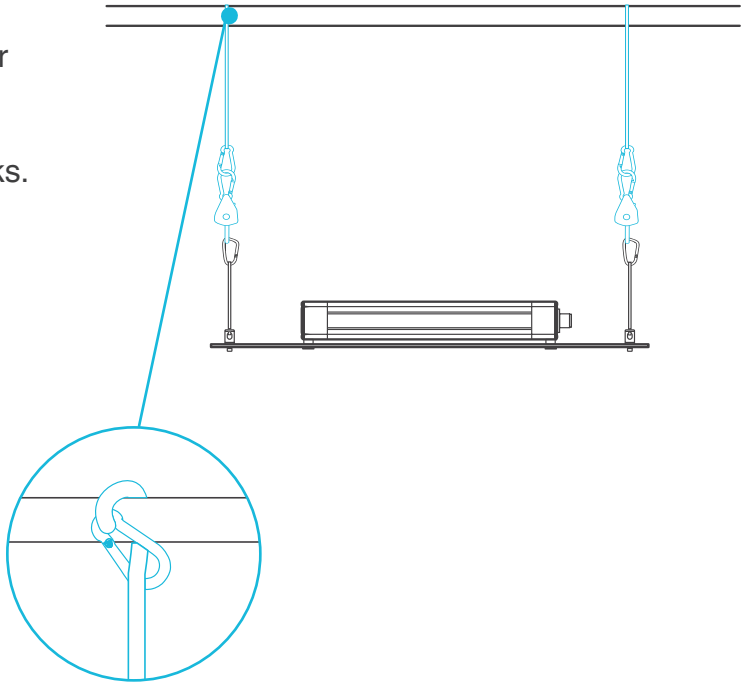
Insert the steel hooks into your grow light's slotted holes of the end caps.



STEP 2

Loop the rope clip hangers around your grow tent's support beams.

Hook the carabiners into the steel hooks.

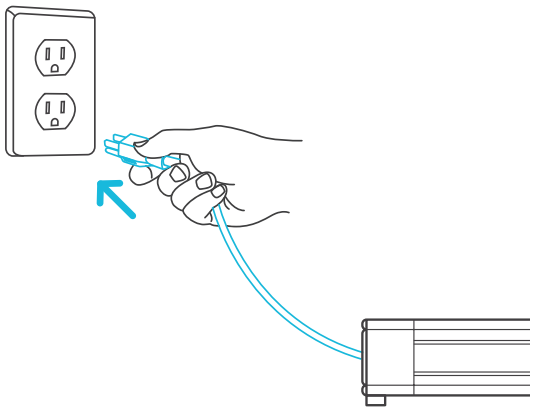


IONBOARD

POWERING AND SETUP

STEP 1

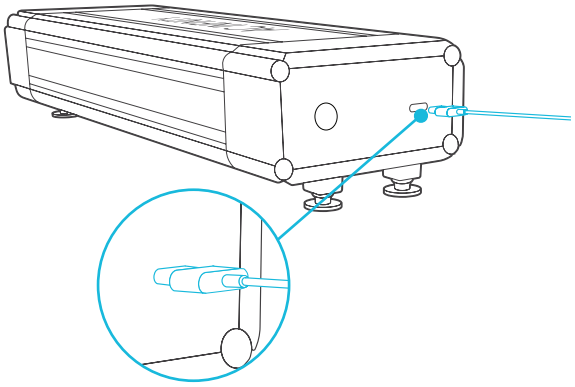
Plug the power cord into an AC power outlet to power your grow light.



STEP 2

You may connect an external controller to set smart programming.

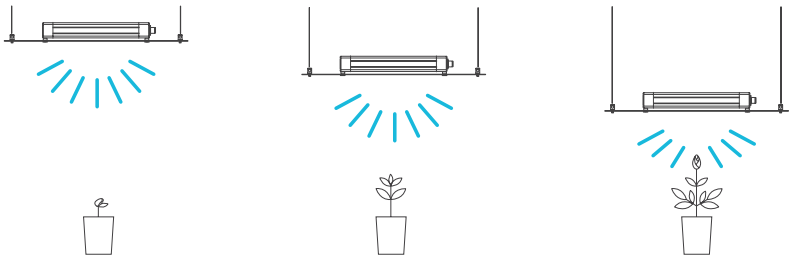
Plug one end of the controller cord into the LED driver, and the other end into your chosen controller.



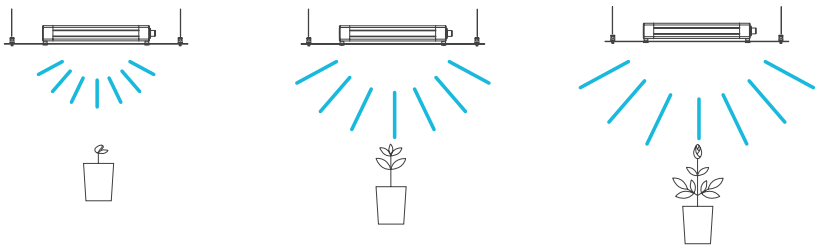
IONBOARD
STARTER GUIDE

The charts below offer suggested mounting heights and light intensities for each stage in the growing process of your preferred method. These factors will vary based on the plant you are growing. Height refers to distance from the canopy (tip of the plant).

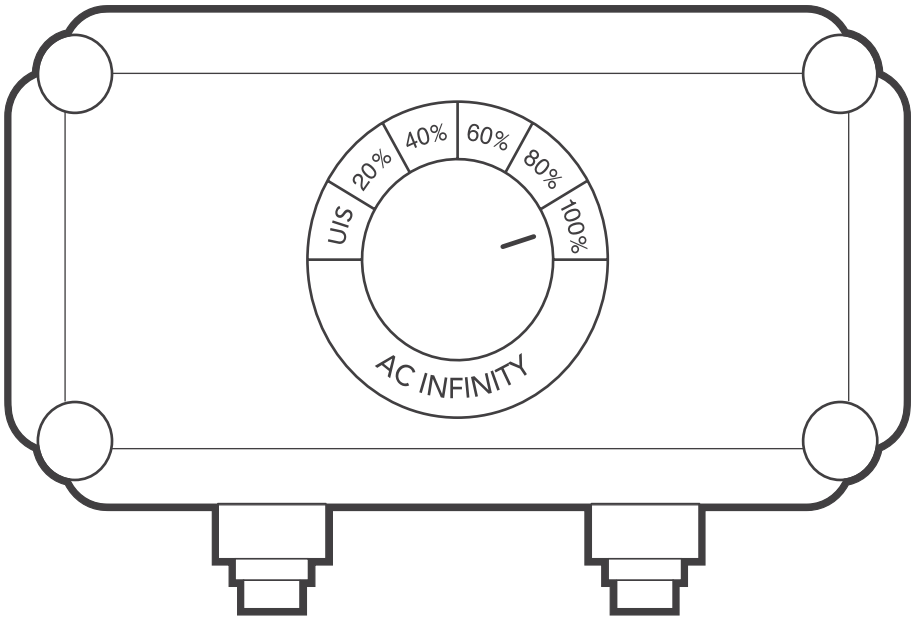
HEIGHT ADJUSTMENT	Seeding Stage	Vegetative Stage	Flowering Stage
Height	3 ft.	2 ft.	1.5 ft.
Intensity	100%	100%	100%



LIGHT ADJUSTMENT	Seeding Stage	Vegetative Stage	Flowering Stage
Height	1.5 ft.	1.5 ft.	1.5 ft.
Intensity	40%	80%	100%



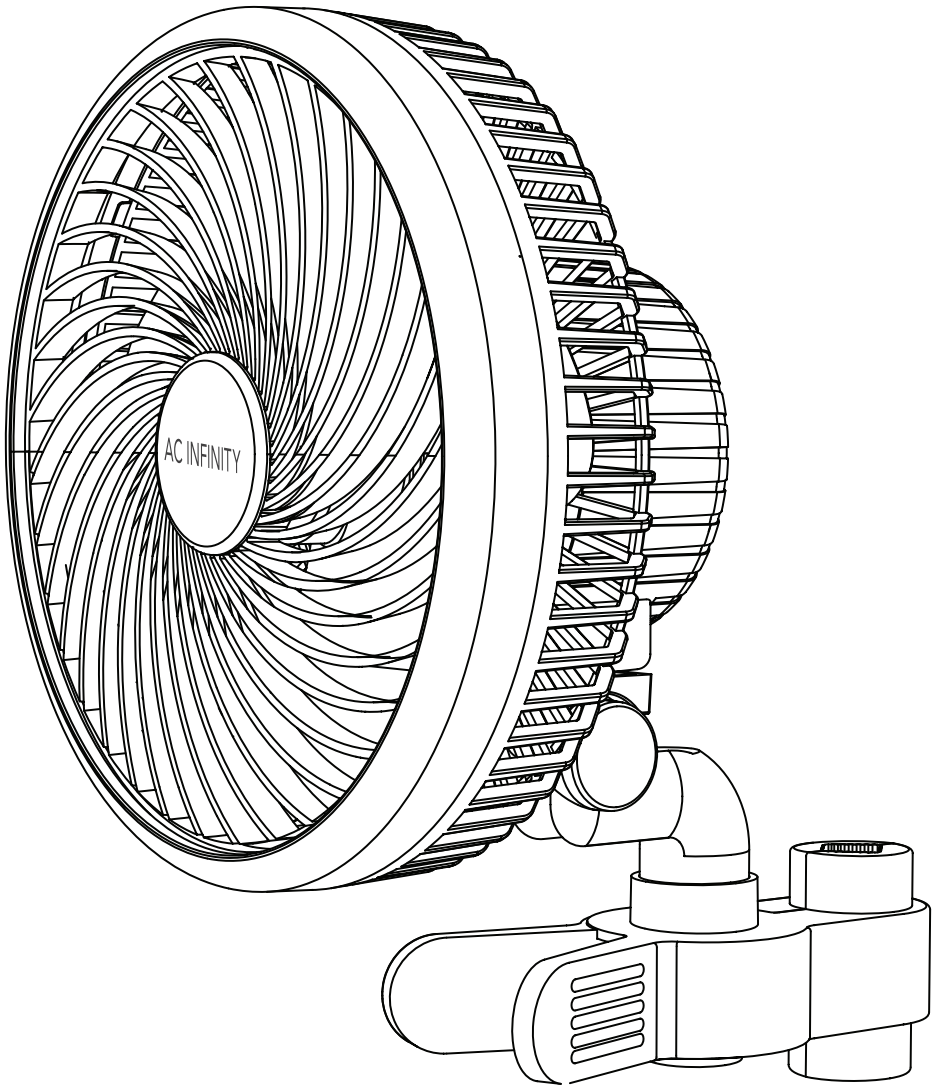
IONBOARD
PROGRAMMING



OFF/ON MODE
Turning the knob to UIS switches the grow light off, or passes control over to your smart controller if one is connected.

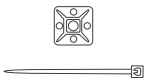
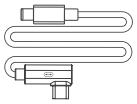
INTENSITY LEVEL
Turning the knob from UIS will establish a set light intensity level in 20% increments, up to 100%.

CLOUDRAY
CIRCULATION FAN SYSTEM



CLOUDRAY

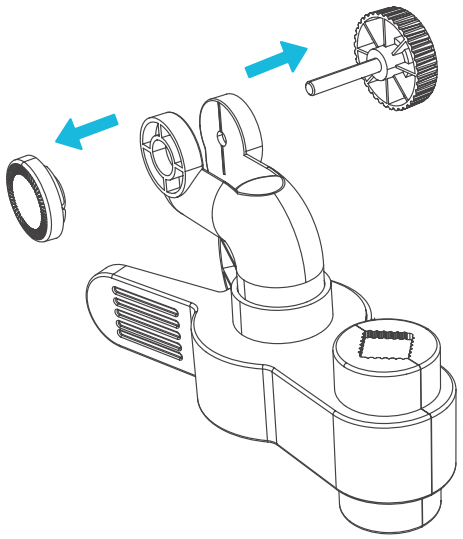
PRODUCT CONTENTS

	Advance Grow Tent Kit (2x2) COMPACT AC-PKA22	Advance Grow Tent Kit (2x2) AC-PKB22	Advance Grow Tent Kit (2x4) AC-PKB24	Advance Grow Tent Kit (3x3) AC-PKB33	Advance Grow Tent Kit (4x4) AC-PKB44
CLIP-ON FAN	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x1	CLOUDRAY A6, Circulating Clip Fan x2
 ZIP TIE WITH 3M BASE	x1	x1	x1	x1	x2
 CONTROLLER CORD	UIS Male-Male Controller Cord, L-Shaped, 6 ft. x1	UIS Male-Male Controller Cord, L-Shaped, 6 ft. x1	UIS Male-Male Controller Cord, L-Shaped, 6 ft. x1	UIS Male-Male Controller Cord, L-Shaped, 6 ft. x1	UIS Male-Male Controller Cord, L-Shaped, 6 ft. x2

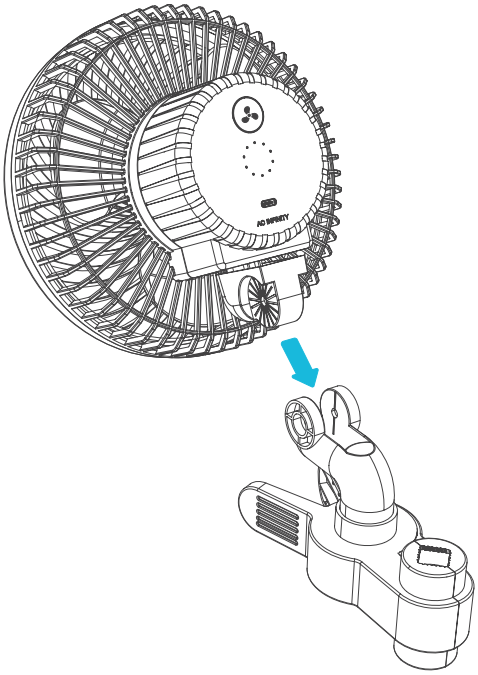
CLOUDRAY
INSTALLATION

STEP 1
Twist to remove the bigger knob piece from the grip clip.

Pull the smaller button piece from the vice grip.

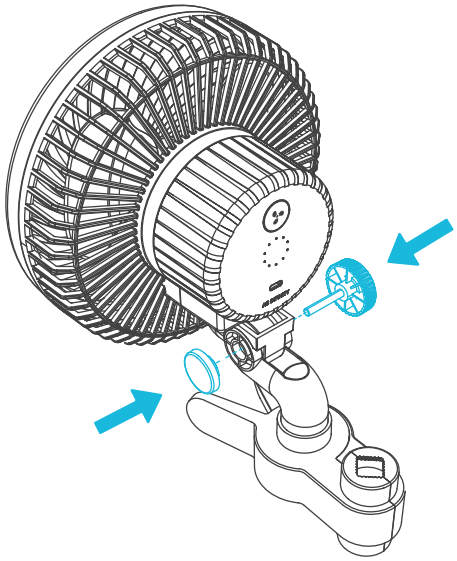


STEP 2
Slide the grip clip into the swivel as shown.

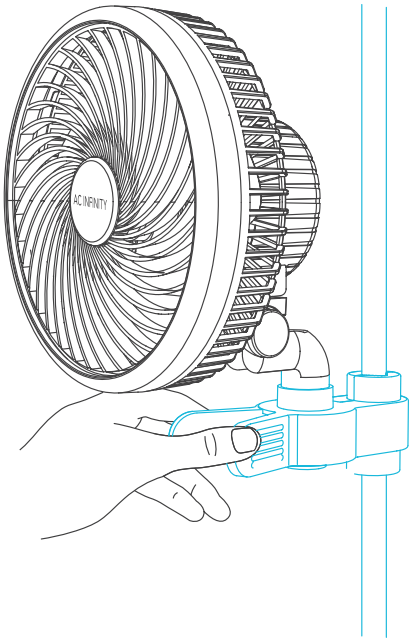


CLOUDRAY
INSTALLATION

STEP 3
Replace the knob and button on either side of the mounting point as desired.



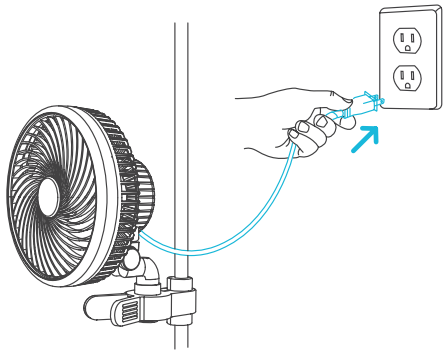
STEP 4
Clamp the fan onto a pole or post.



CLOUDRAY
INSTALLATION

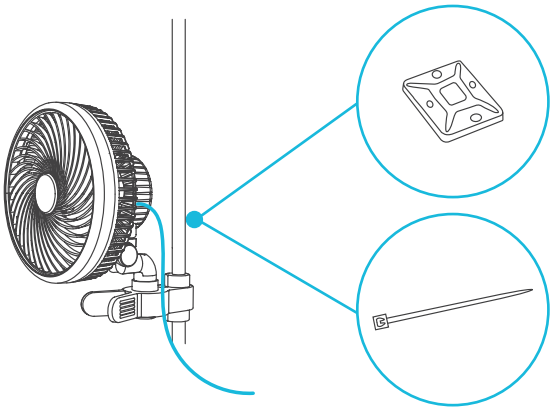
STEP 5
Plug the fan's power cord into an AC power outlet to power the fan.

Plug the fan into the closest AC outlet to allow for cable slack and avoid cable tension.



STEP 6
You may cable manage the cords using the included cable ties or cable mounting set.

Adhere the tie mount onto a clean surface. Loop the zip tie into the mount and around the cables.

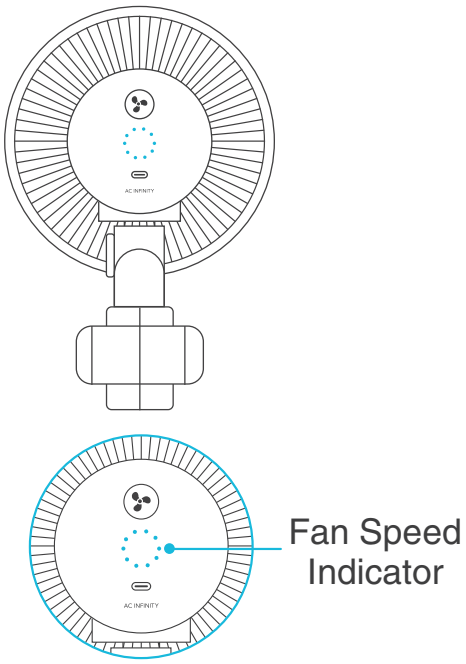


CLOUDRAY
PROGRAMMING

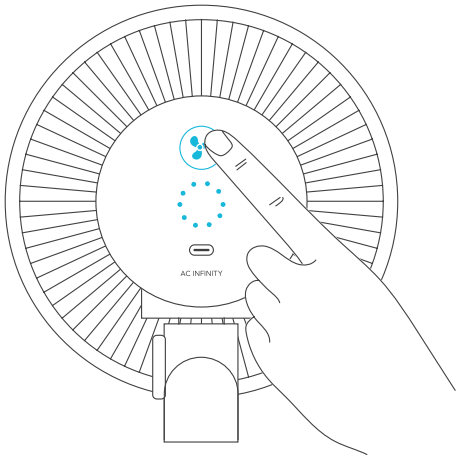
FAN SPEED ADJUSTING
The clip fan features a single button that cycles through the fan speed from 0-10, indicated by the ring of LED lights below.

Press the speed button to increase the fan speed level by one.

Pressing the button past speed 10 will cycle the fan speed back to 0.

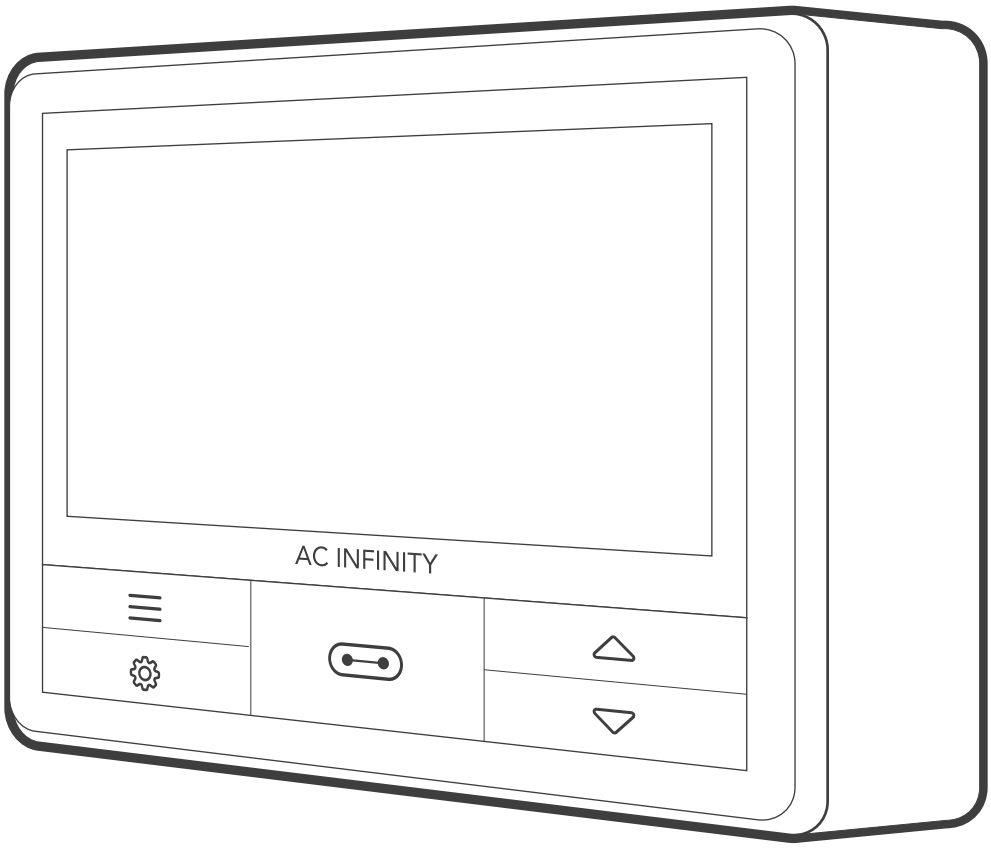


POWERING ON/OFF
Hold the speed button for 4 seconds to turn the fan OFF. Pressing it again from OFF will turn the fan ON at its last speed setting.



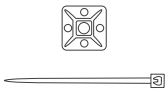
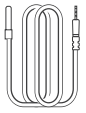
CONTROLLER 69

UIS MULTI-DEVICE CONTROLLER



CONTROLLER 69

PRODUCT CONTENTS

	Advance Grow Tent Kit (2x2) COMPACT AC-PKA22	Advance Grow Tent Kit (2x2) AC-PKB22	Advance Grow Tent Kit (2x4) AC-PKB24	Advance Grow Tent Kit (3x3) AC-PKB33	Advance Grow Tent Kit (4x4) AC-PKB44
GROW TENT CONTROLLER	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1	CONTROLLER 69, 4 Ports x1
 ZIP TIE WITH 3M BASE	x1	x1	x1	x1	x1
 TEMPERATURE AND HUMIDITY SENSOR PROBE	20 ft. x1	20 ft. x1	20 ft. x1	20 ft. x1	20 ft. x1
CONTROLLER MOUNTING SCREWS WITH PLASTIC ANCHOR	x2	x2	x2	x2	x2

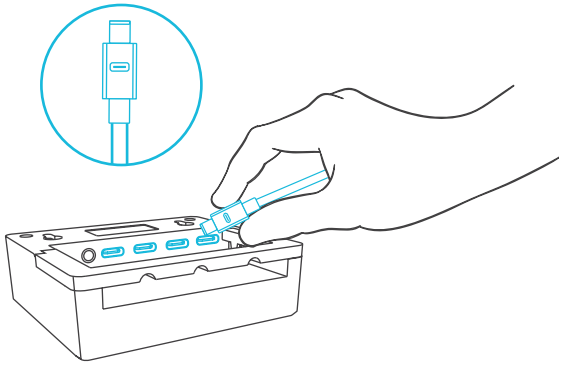
CONTROLLER 69

POWERING AND SETUP

STEP 1

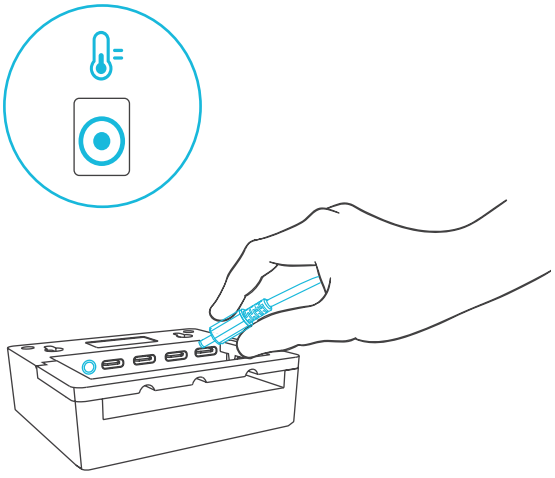
Plug your devices' UIS connectors into the following numbered ports:

- Port 1 – **Inline Fan**
- Port 2 – **Grow Light**
- Port 3 – **Clip Fan**
- Port 4 – **Clip Fan** (model AC-PKB44 only).



STEP 2

Plug the sensor probe into the controller's 3.5mm jack. Set the probe near your plants in your grow tent for the most accurate reading.

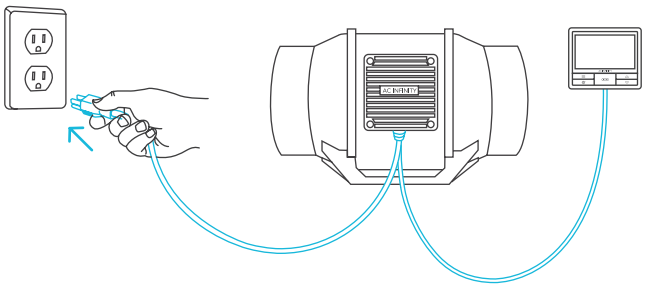


CONTROLLER 69

POWERING AND SETUP

STEP 3

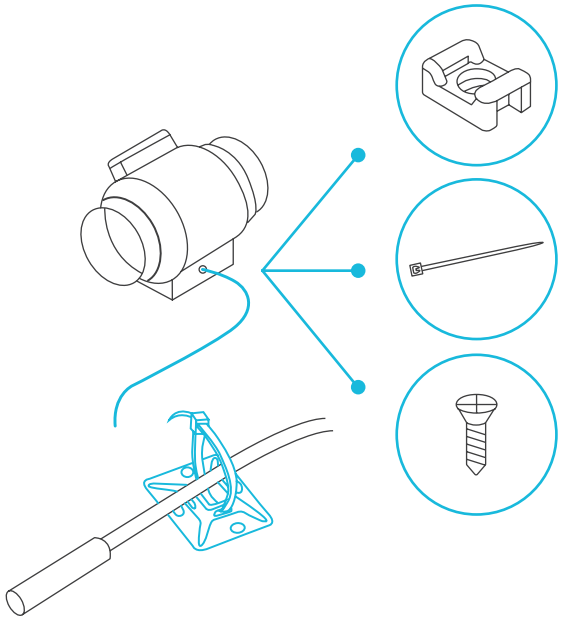
Plug your devices' power cord into an AC power outlet to power them and the controller.



STEP 4

You may use the included tie mounts, wood screws, and zip ties to cable manage the cords.

Secure the tie mounts onto a surface using the wood screws. Loop the zip ties around the cords into the tie mounts.

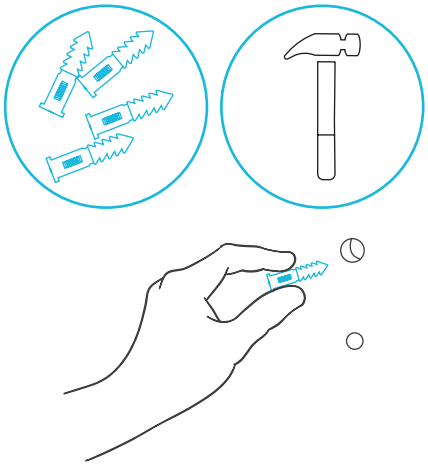


CONTROLLER 69

MOUNTING

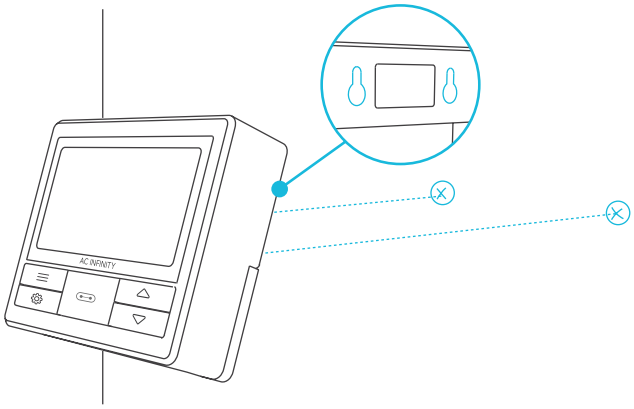
STEP 1 — WALL MOUNTING

Locate a spot free of obstruction and secure the anchors into your wall. Twist the wood screws into the anchors.



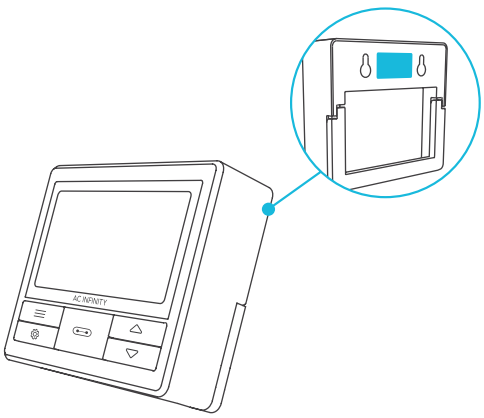
STEP 2 — WALL MOUNTING

Hang the controller by the screws using the holes on the backside.



MAGNET MOUNTING

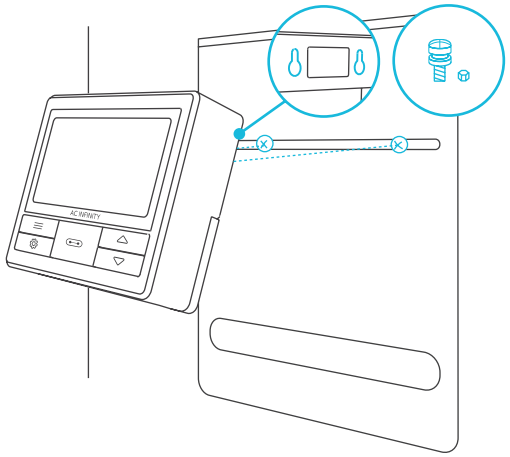
You may also mount the controller onto a steel surface using the magnet located behind the label.



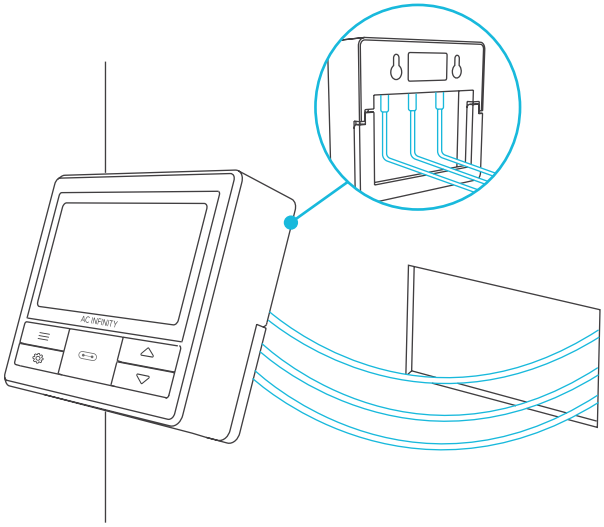
CONTROLLER 69
MOUNTING

PLATE MOUNTING
Screw the bolts into the slit at the upper half of the plate.

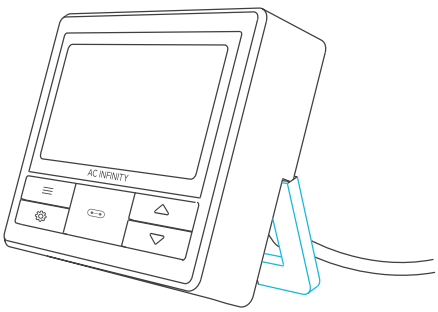
Hang the controller by the bolts using the holes on the backside.



CORD ARRANGEMENT
Cords may be routed into or outside of the kickstand grooves, and through a cut hole behind the controller.



KICKSTANDING
Open the stand behind the controller to set it tilted on your desktop.



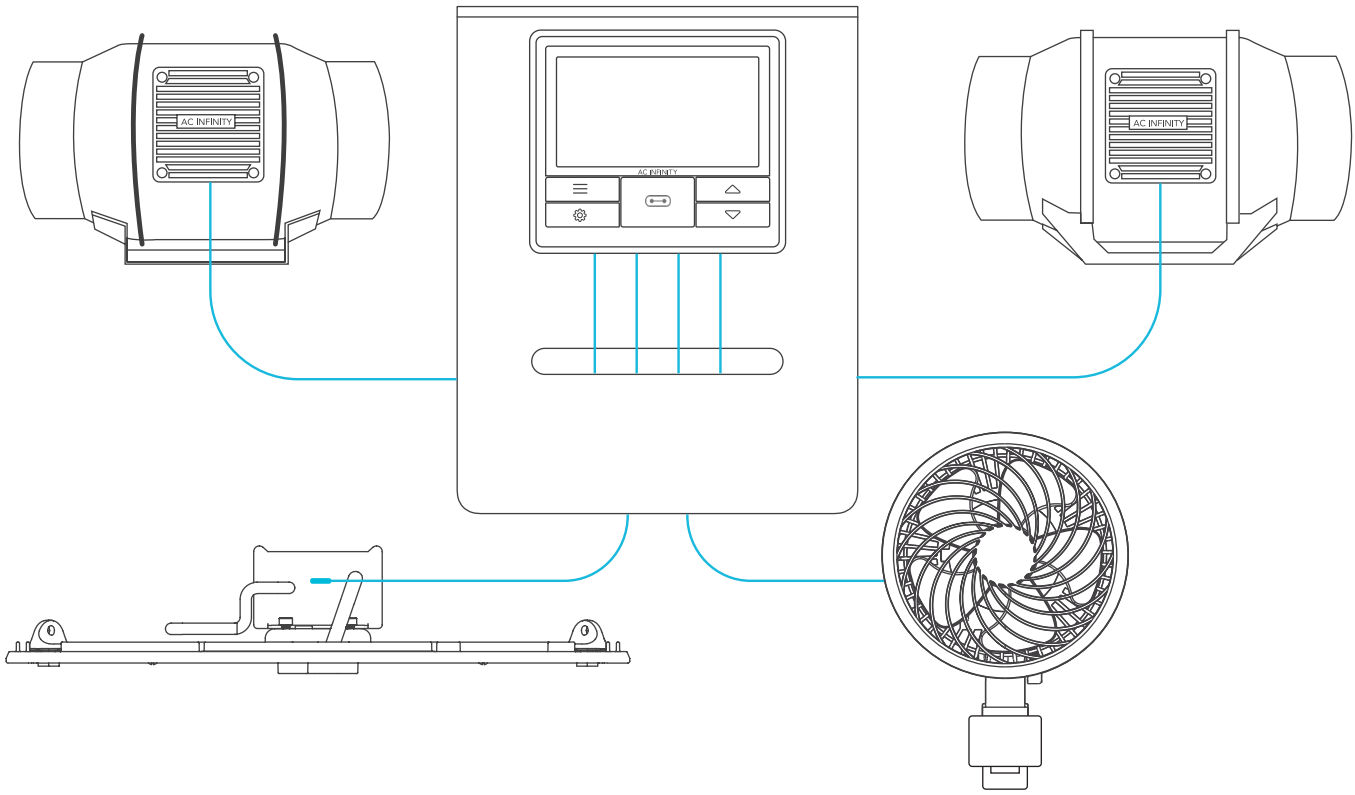
CONTROLLER 69

UNIVERSAL INFINITY SYSTEM™

The Universal Infinity System enables you to connect a single central controller with several grow devices simultaneously. By creating this fully integrated system, you can power and program all your devices together or separately for optimized grow tent management.

Use select smart controllers to set triggers that will activate your devices based on your grow tent's temperature and humidity. Create independent timers and schedules for customized activation in your desired time frame.

Your grow system can be regulated using your controller hub or remotely on the AC Infinity app (paired with compatible controllers), where you will have access to automation programming and climate data.



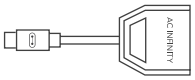
Central controllers and grow devices will be sold separately and may still be in development at the time of your purchase of this product.

CONTROLLER 69

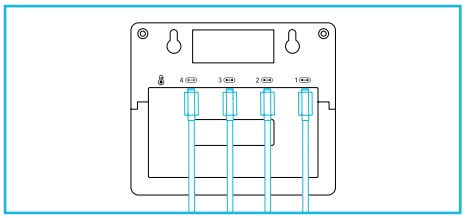
UIS™ COMPATIBILITY

MOLEX ADAPTER

Use a Molex adapter to plug inline fans with 4-pin Molex connectors into this controller. Plug your fan's Molex connector into the adapter. Then plug the adapter into the controller.

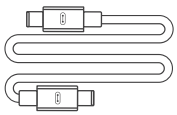


UIS M - 4PIN F
ADAPTER

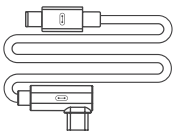


CONTROLLER CORD

Use male-to-male UIS controller cords to connect devices with female UIS ports at an extended range from your controller.



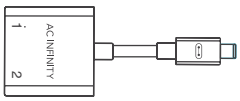
UIS M - M
CONTROLLER CORD
(BOX D)



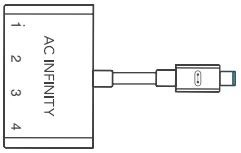
L-SHAPED UIS M - M
CONTROLLER CORD
(BOX E)

EXPANSION DONGLE*

The expansion dongle will allow you to connect 2 or 4 devices with a single port and can support additional dongles to create more expansion ports (up to 64 units supported with the use of 20 dongles). Intended for exclusive use with AC Infinity controllers built with UIS ports.



UIS M - M
2 PORT DONGLE

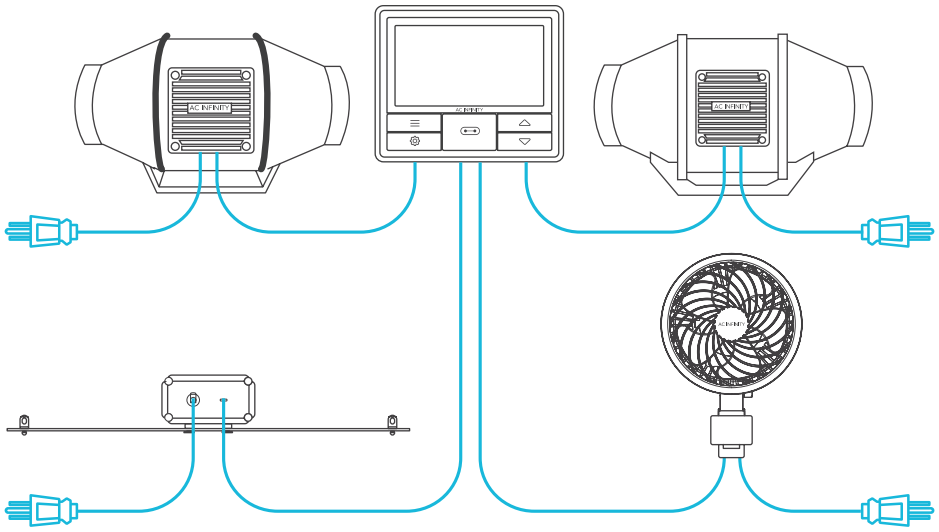


UIS M - M
4 PORT DONGLE

*sold separately

ADDING MORE DEVICES

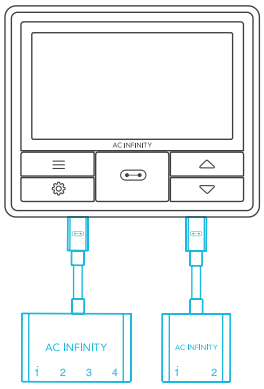
The CONTROLLER 69 is built with four ports that enable you to power and control multiple devices at the same time. See image below for a sample configuration.



USING THE DONGLE

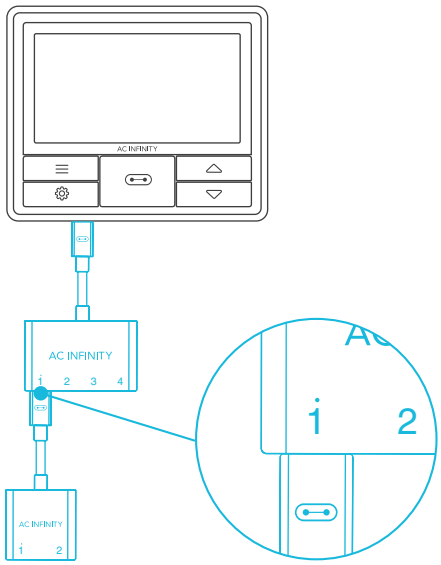
When using a 2-port or 4-port dongle, plug your first device into Port 1 for the controller to recognize as the primary device.

All other devices plugged into the dongle will follow programming intended for the device plugged into Port 1.



EXTENDING THE CHAIN

When plugging additional dongles into Port 1, all devices plugged into this chain must be of the same type (ex. grow lights of any size) regardless of the length of the dongle chain.



CONTROLLER 69

PROGRAMMING

1. PORT BUTTON

Cycles through up to four connected devices. Each device is programmed independently, or together when navigating to ALL.

2. MODE BUTTON

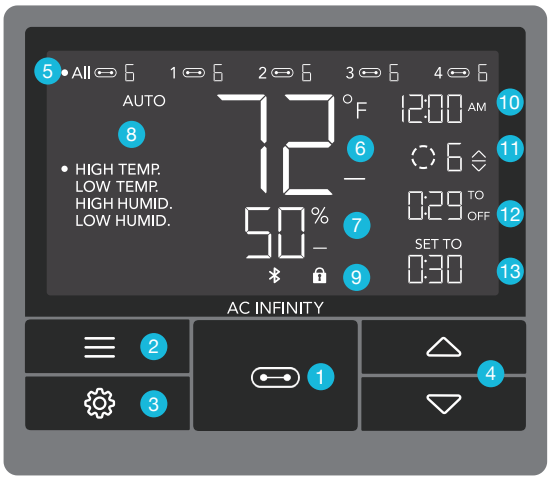
Cycles through the controller's modes: OFF, ON, AUTO (4 triggers), TIMER to ON, TIMER to OFF, CYCLE (ON and OFF), and SCHEDULE (ON and OFF).

3. SETTING BUTTON

Cycles through the controller's settings: DISPLAY, CLOCK, °F/°C, CALIB. T°/H%, and TRANS.T°/H%.

4. UP/DOWN BUTTONS

Adjusts the value of your current mode. The up button increases and down button decreases the setting. Hold both to reset values to OFF or 0.



5. PORTS

Displays all connected devices as well as their current level. Digits are displayed by the UIS symbol when a device is plugged into its corresponding port.

6. PROBE TEMP.

Displays the current temperature that the probe is detecting. Shows "--" if no probe is plugged in. Includes a trend indicator that signals a rise, steady, or fall in temperature within the last hour.

7. PROBE HUMIDITY

Displays the current humidity that the probe is measuring. Shows "--" if no probe is plugged in. Includes a trend indicator that signals a rise, steady, or fall in humidity within the last hour.

8. CONTROLLER MODE

Displays the controller's current mode. Pressing the mode button cycles through the available modes.

9. ALERT ICONS

Displays alerts and statuses of the controller, including the controller lock, CLIMATE alert, and TIMER alert.

10. CURRENT TIME

Displays the current time. The internal battery sustains the clock so it does not default to 00:00 if power is cut off.

11. CURRENT LEVEL

Displays the connected devices' current setting. Includes a trend indicator that signals if the setting is currently rising, falling, or holding steady.

12. COUNTDOWN

Displays the countdown of the TIMER TO ON, TIMER TO OFF, CYCLE, or SCHEDULE mode activates or deactivates the devices. TO ON shows the amount of time left before the devices turn on. TO OFF shows the amount of time left before the device turn off.

13. USER SETTING

Displays the value of your current mode. Use the up or down buttons to adjust the value.

CONTROLLER 69
PROGRAMMING

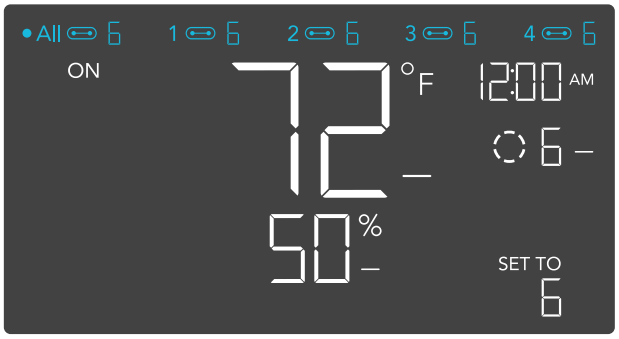
PORTS
Pressing the port button will cycle through the controller's available ports: ALL, 1, 2, 3, and 4. Dot indicates the current device. No digit is displayed if a device is not plugged into the corresponding port.

The controller is pre-programmed with the following settings:

- Port 1 – **Inline Fan** set to Fan Speed Level 5 scheduled between 6:00pm and 12:00pm, and to Level 2 scheduled between 12:00pm and 6:00pm.
- Port 2 – **Grow Light** set to Brightness Intensity Level 10 scheduled between 6:00pm and 12:00pm and to Level 0 scheduled between 12:00pm and 6:00pm.
- Port 3 – **Circulating Fan** set to Level 5.
- Port 4 – **Circulating Fan** set to Level 5 (if applicable).

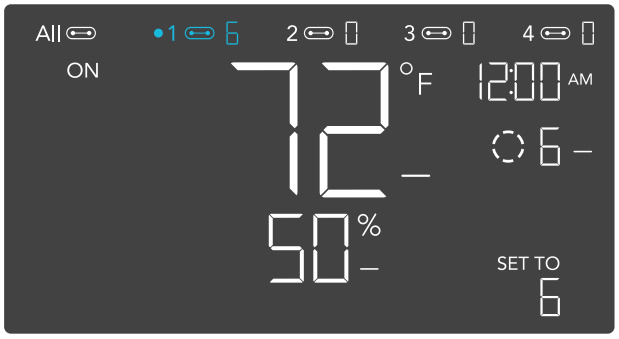
ALL PORTS
Navigate to the ALL port to set simultaneous programming for all connected devices.

Programming set in this port mode applies to all connected devices, but will not be active if you navigate to other ports. Re-entering the ALL port will resume its programming.



INDIVIDUAL PORT
Navigate to a numbered port with a connected device to set individual programming.

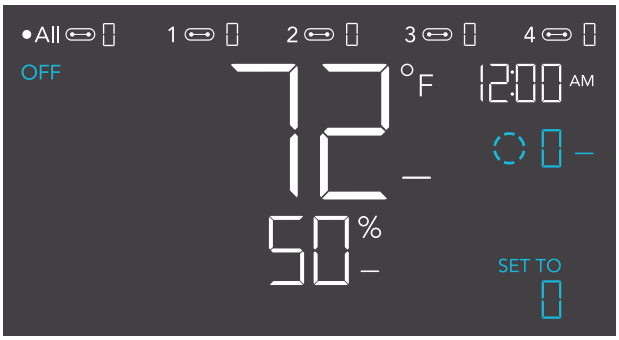
Programming will run in the background even while you navigate to other numbered ports.



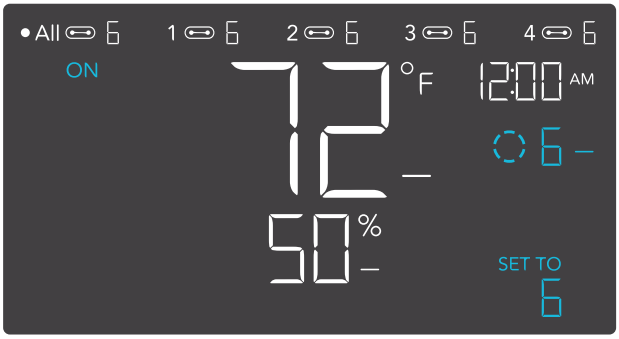
CONTROLLER 69
PROGRAMMING

CONTROLLER MODES
Pressing the mode button will cycle through the controller's available programming modes: OFF, ON, AUTO (4 triggers), TIMER TO ON, TIMER TO OFF, CYCLE (On and Off), and SCHEDULE (On and Off).

OFF MODE (ALSO SETS MINIMUM LEVEL)
Your devices will not run while in this mode. The level set while in this mode establishes the minimum level in other modes. When the devices are triggered to turn OFF in all other modes, they will instead run at the level set here. Set the level to zero if you want the device to turn off when triggered OFF.



ON MODE (ALSO SETS MAXIMUM LEVEL)
Your devices will actively run at the level set here, regardless of the probe's reading. The ON mode also serves as the maximum level setting the other modes will run in. Don't set the level to zero or the device will turn off when it's triggered ON.



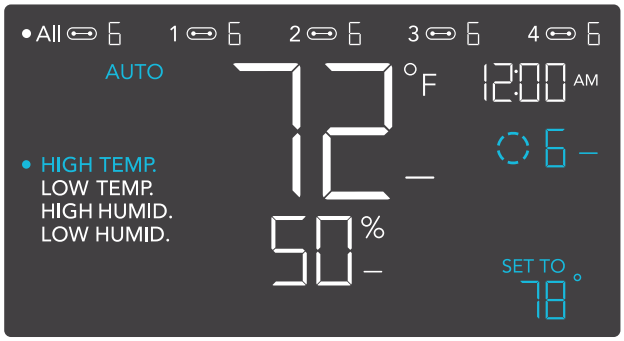
CONTROLLER 69
PROGRAMMING

AUTO MODE (HIGH TEMPERATURE TRIGGER)

Pressing the up or down button sets the high temperature trigger. The devices will activate if the probe's reading meets or exceeds this threshold.

Once triggered, the devices will gradually ramp up to the level set in ON mode. If the probe's reading falls below this trigger point, the devices will gradually slow down to a stop or at the level set in OFF mode.

You may set this trigger below the low temperature trigger to create a specific range in which the devices are active.



Any of the four trigger points can activate while you are in AUTO Mode, even if you are viewing another trigger point. Please set a trigger point to OFF if not in use, by holding down the up and down button.

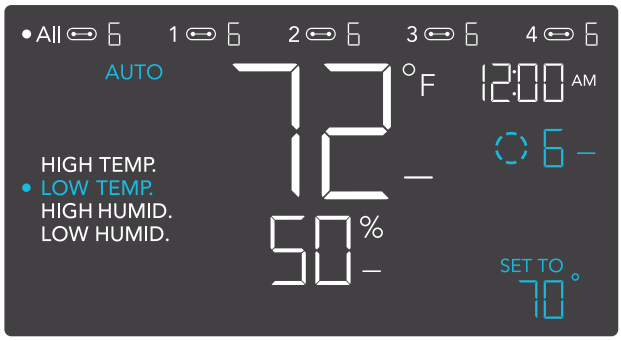
If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

AUTO MODE (LOW TEMPERATURE TRIGGER)

Pressing the up or down button sets the low temperature trigger. The devices will activate if the probe's reading meets or falls below this threshold.

Once triggered, the devices will gradually ramp up to the level set in ON mode. If the probe's reading rises above this trigger point, the devices will gradually slow down to a stop or at the level set in OFF mode.

You may set this trigger above the high temperature trigger to create a specific range in which the devices are active.



Any of the four trigger points can activate while you are in AUTO Mode, even if you are viewing another trigger point. Please set a trigger point to OFF if not in use, by holding down the up and down button.

If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

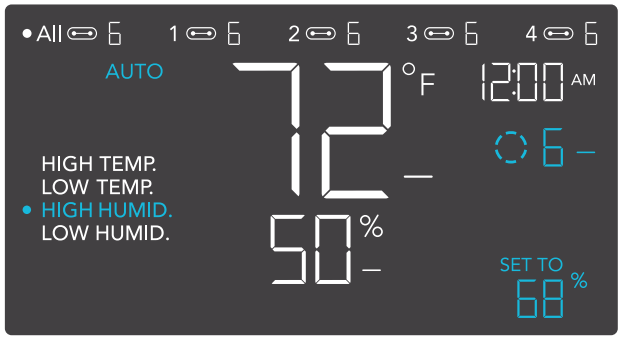
CONTROLLER 69
PROGRAMMING

AUTO MODE (HIGH HUMIDITY TRIGGER)

Pressing the up or down button sets the high humidity trigger. The devices will activate if the probe's reading meets or exceeds this threshold.

Once triggered, the devices will gradually ramp up to the level set in ON mode. If the probe's reading falls below this trigger point, the devices will gradually slow down to a stop or at the level set in OFF mode.

You may set this trigger below the low humidity trigger to create a specific range in which the devices are active.



Any of the four trigger points can activate while you are in AUTO Mode, even if you are viewing another trigger point. Please set a trigger point to OFF if not in use, by holding down the up and down button.

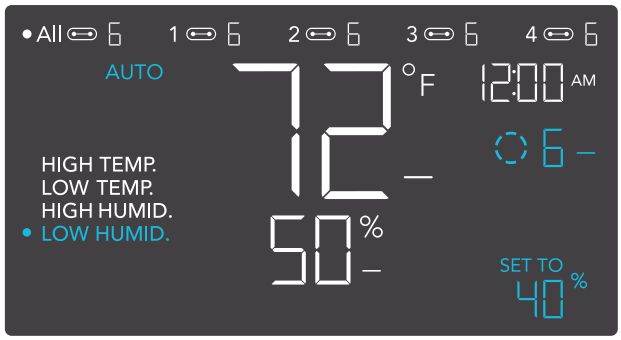
If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

AUTO MODE (LOW HUMIDITY TRIGGER)

Pressing the up or down button sets the low humidity trigger. The devices will activate if the probe's reading meets or falls below this threshold.

Once triggered, the devices will gradually ramp up to the level set in ON mode. If the probe's reading rises above this trigger point, the devices will gradually slow down to a stop or at the level set in OFF Mode.

You may set this trigger above the high humidity trigger to create a range in which the devices are active.



Any of the four trigger points can activate while you are in AUTO Mode, even if you are viewing another trigger point. Please set a trigger point to OFF if not in use, by holding down the up and down button.

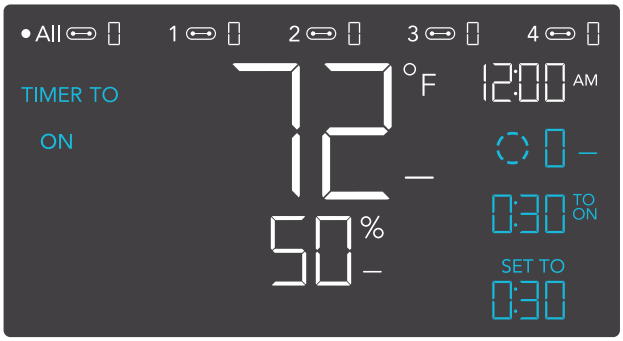
If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

CONTROLLER 69
PROGRAMMING

TIMER TO ON MODE

Pressing the up or down button sets a countdown time. Once the timer ends, the devices will trigger to run at the level set in ON Mode. If there is a level set in OFF Mode, the devices will run at that level during the countdown.

The countdown will begin if no buttons are pressed for 5 seconds. The time left on the countdown is displayed below the current level. Leaving the timer mode while the countdown is running will pause it until you return to this mode.

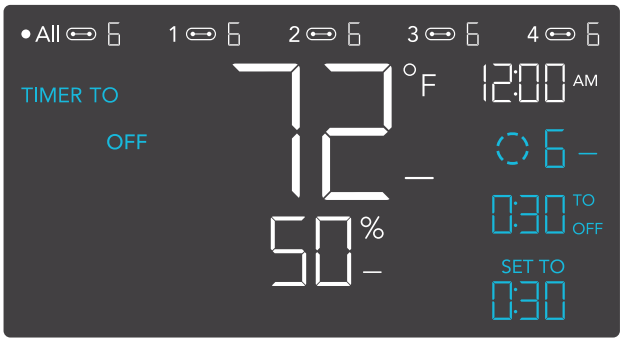


If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

TIMER TO OFF MODE

Pressing the up or down button sets a countdown time. The devices will run at the level set in ON Mode until the countdown ends. If there is a level set in OFF Mode, the devices will run at that level after the end of the countdown.

The countdown will begin if no buttons are pressed for 5 seconds. The time left on the countdown is displayed below the current level. Leaving the timer mode while the countdown is running will pause it until you return to this mode.



If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

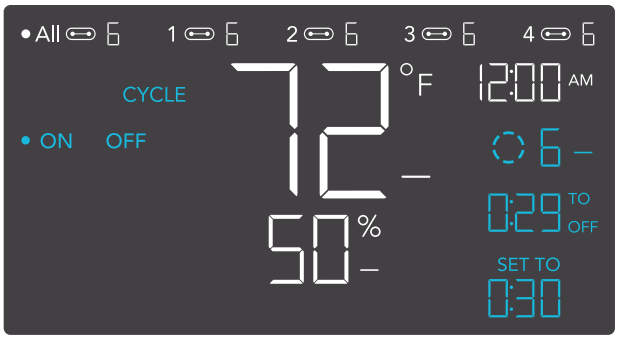
CONTROLLER 69
PROGRAMMING

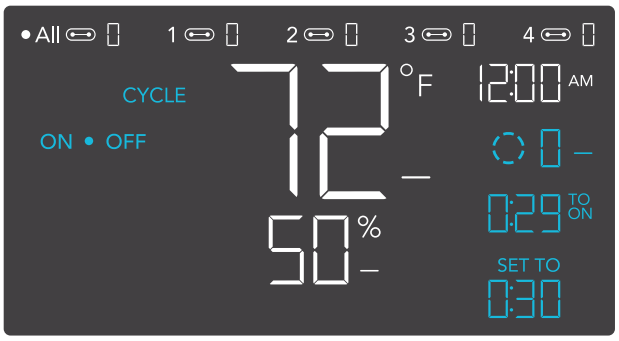
CYCLE MODE (ON AND OFF)

Set an on duration and an off duration for the devices to cycle through continuously. Press the up or down button to first set a duration for the devices to activate. Then press the mode button again and set a duration for the devices to deactivate.

When the devices are activated, they will run at the level set in ON Mode. When the devices are deactivated, they will run at the level set in OFF Mode.

The countdown will begin if no buttons are pressed for 5 seconds. The time left on the countdown before the next ON or OFF phase is displayed below the current level. Leaving the cycle mode while the countdown is running will pause it until you return to this mode.





If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

CONTROLLER 69

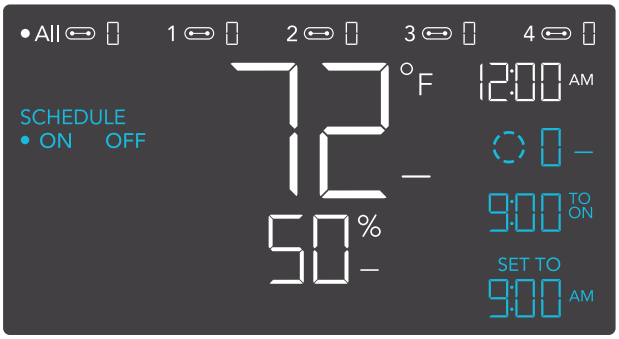
PROGRAMMING

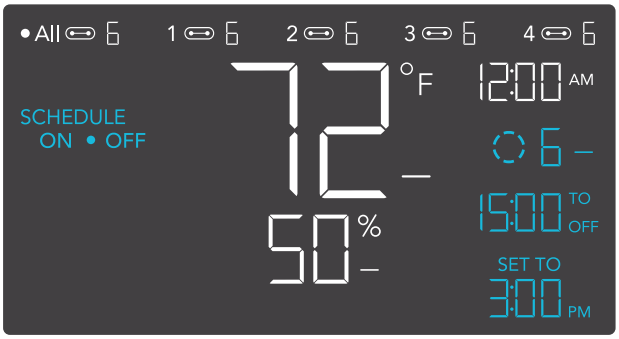
SCHEDULE MODE (ON AND OFF)

Sets an on clock-time and an off clock-time schedule for the devices to follow daily. Press the up or down button to first set up an on clock-time to trigger ON mode, then press the mode button to set an off clock-time to trigger OFF mode. Please be sure to set the current clock time under settings.

When the devices are triggered to activate, they will run at the level set in ON Mode. When the devices are triggered to deactivate, they will run at the level set in OFF Mode.

The countdown will begin if no buttons are pressed for 5 seconds. The time left on the countdown before the next on or off phase is displayed below the current level. The devices will not follow this schedule if you leave this mode. If you re-enter the Schedule Mode, they will continue to follow the latest schedule you have set.





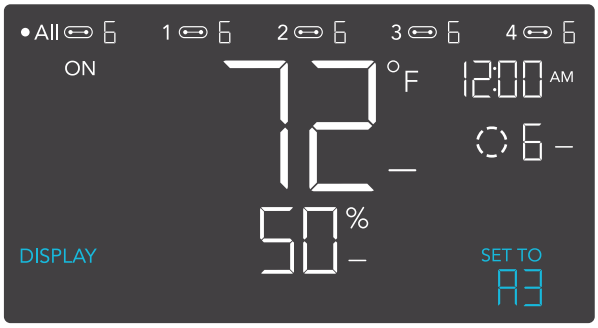
If there is a level set in OFF Mode other than zero, the devices will run at that level when triggered to turn off.

CONTROLLER 69
PROGRAMMING

CONTROLLER SETTINGS
Pressing the setting button will cycle through the controller's available settings: DISPLAY, °F/ °C, CLOCK, CALIB. T°, CALIB. H%, TRANS. T°, and TRANS. H%.

DISPLAY SETTING
Adjusts the display brightness and auto-dimming. Press the up or down button to cycle through levels 1, 2, 3, A2 and A3; 3 being the highest brightness setting, while 1 is the lowest. In settings 1, 2 and 3, the display will stay at that brightness level and will not automatically dim the display.

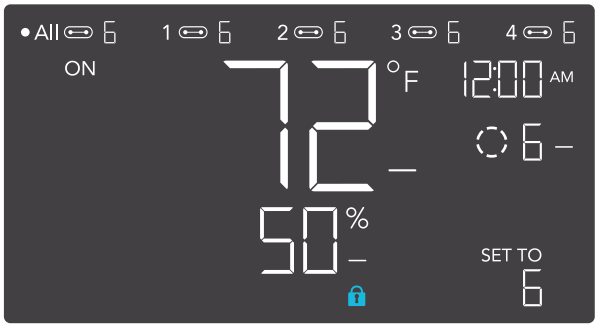
A2 and A3 will set the brightness level at 2 and 3, respectively, and will dim down the brightness level 1 when the controller is not being used after 15 seconds.



TOGGLING THE DISPLAY
Lock the controller by holding the setting button.

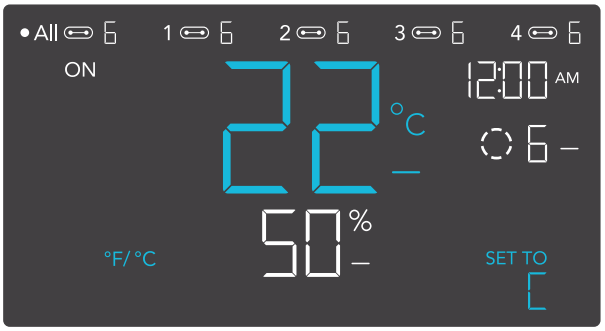
Press the setting button to turn the display off. Pressing the setting button again will turn the display back on.

Programs will still run in the background while the LCD screen is off.

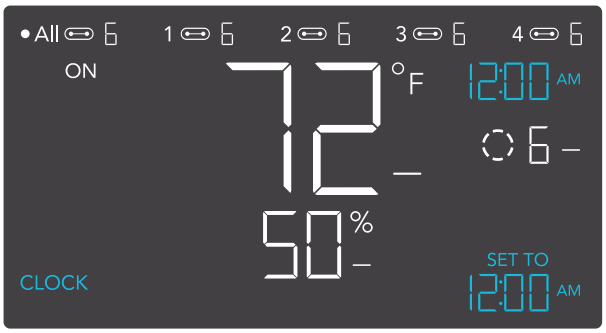


CONTROLLER 69
PROGRAMMING

°F/°C SETTING
Changes the displayed units to Fahrenheit or Celsius. Press the up or down button to cycle through F and C. All displayed units will automatically convert when adjusting this setting.

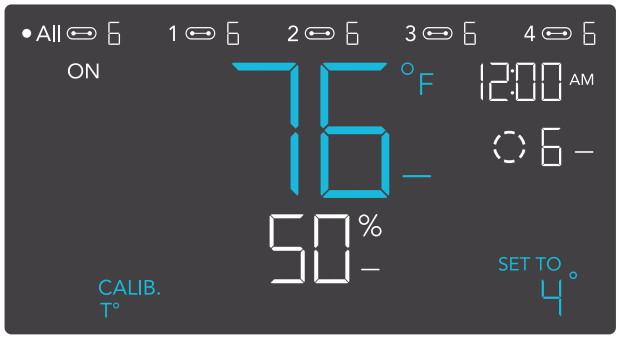


CLOCK SETTING
Adjusts the current clock time. Press the up or down button to increase or decrease the time. Once you cycle through 12:00 each time, the units will automatically change to AM or PM. The clock time is located at the top right corner of the display.

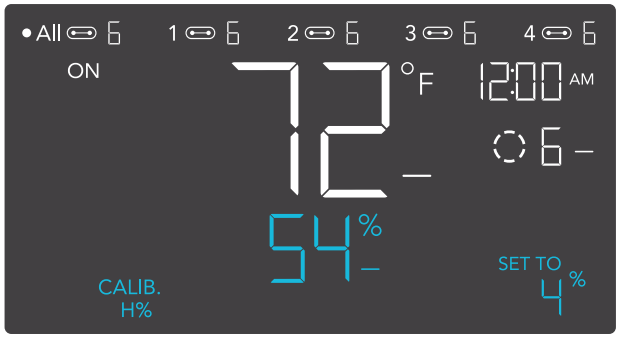


CONTROLLER 69
PROGRAMMING

CALIBRATION TEMPERATURE SETTING
Adjusts the temperature reading the sensor probe is measuring. Press the up or down button to increase or decrease the data figure in 2°F (or 1°C) increments. The calibration cycle ranges from -20°F to 20°F (or -10°C to 10°C) and will be applied to the sensor probe's measurements.



CALIBRATION HUMIDITY SETTING
Adjusts the relative humidity reading the sensor probe is measuring. Press the up or down button to increase or decrease the data figure in 1% increments. The calibration cycle ranges from -10% to 10% and will be applied to the sensor probe's measurements.



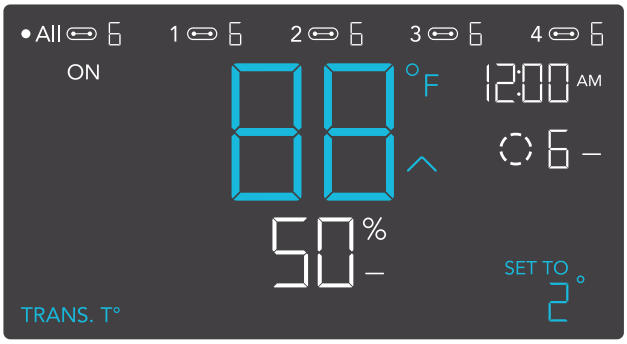
CONTROLLER 69
PROGRAMMING

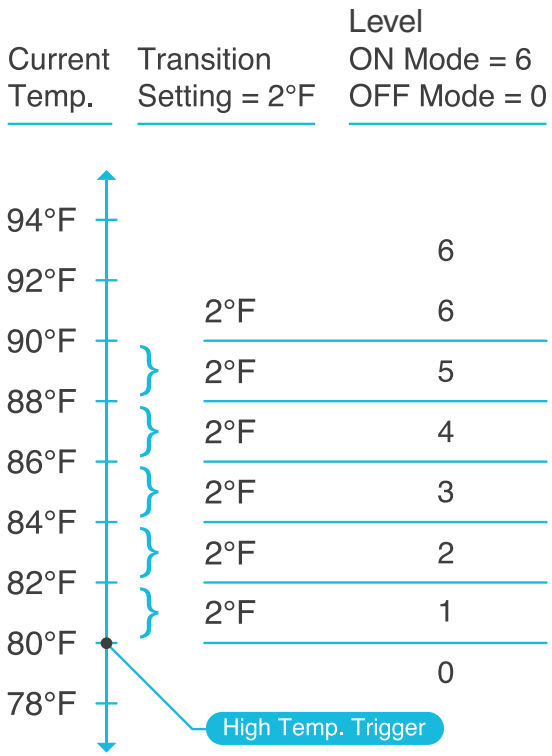
TRANSITION TEMPERATURE SETTING

Customizes how the device will ramp up in levels when triggered ON by temperature in AUTO MODE. Set a transition threshold to determine how much the probe temperature would need to surpass your trigger point for the device to increase in level by one. The higher the transition threshold figure is set to, the more the probe temperature would need to surpass your set temperature trigger for the level to increase. The lower the figure, the less the probe temperature would need to surpass your set temperature trigger for the level to increase. If the figure is set to zero, it will jump to your maximum set level without ramping when triggered ON.

Press the up or down button to cycle through 0°F to 8°F (0°C to 4°C) and set a transition threshold. The level will be set one level above the OFF Mode level when the sensor temperature first meets or exceeds the high temperature trigger. For every transition threshold crossed, the level will ramp up by one level, up until it reaches the level set in ON Mode.

In this example, your high temperature trigger is set at 80°F, the OFF Mode level is 0, and the ON Mode level is 6. If the transition threshold is set to 0°F, then the devices will trigger to run at level 6 when the sensor temperature meets or exceeds 80°F. However, if the transition threshold is set to 2°F, then the devices will trigger to run at level 1 when it meets or exceeds 80°F. It will then step up to level 2 when meeting or exceeding 82°F, level 3 at 84°F, level 4 at 86°F, and level 5 at 88°F. From 90°F on, it will run at level 6, the level set in ON Mode.





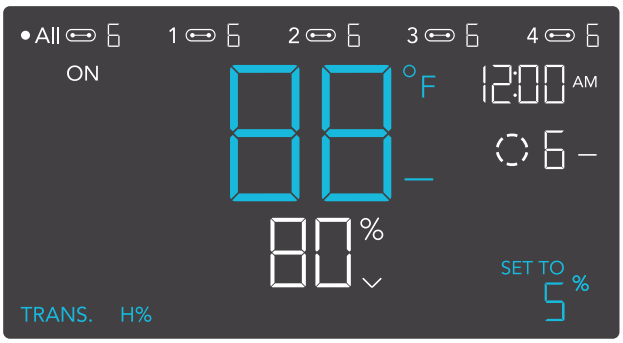
CONTROLLER 69
PROGRAMMING

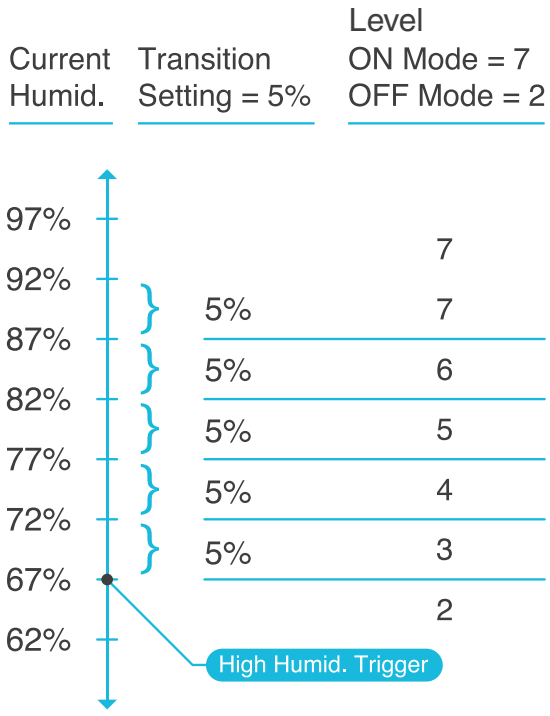
TRANSITION HUMIDITY SETTING

Customizes how the device will ramp up in levels when triggered ON by humidity in AUTO MODE. Set a transition threshold to determine how much the probe humidity would need to surpass your trigger point for the device to increase in level by one. The higher the transition threshold figure is set to, the more the probe humidity would need to surpass your set humidity trigger for the level to increase. The lower the figure, the less the probe humidity would need to surpass your set humidity trigger for the level to increase. If the figure is set to zero, it will jump to your maximum set level without ramping when triggered ON.

Press the up or down button to cycle through 0% to 8% to set a transition threshold. The level will be set one level above the OFF Mode level when the sensor humidity first meets or exceeds the high humidity trigger. For every transition threshold crossed, the level will ramp up by one level, up until it reaches the level set in ON Mode.

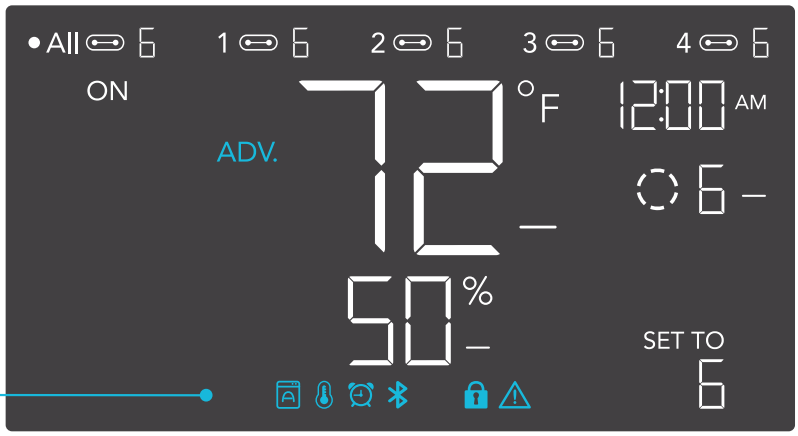
In this example, your high humidity trigger is set at 67%, the OFF Mode level is 2, and the ON Mode level is 7. If the transition threshold is set to 0%, then the devices will trigger to run at level 7 when the sensor humidity meets or exceeds 67%. However, if the transition threshold is set to 5%, then the fan will trigger to run at level 3 when it meets or exceeds 67%. It will then step up to level 4 when meeting or exceeding 72%, level 5 at 77%, and level 6 at 82%. From 87% on, it will run at level 7, the level set in ON Mode.





CONTROLLER 69
PROGRAMMING

ALERT ICONS
The alert icons are displayed at the top of the screen. Icons may flash when the controller signals an alert to notify you of any triggered function or alarm.



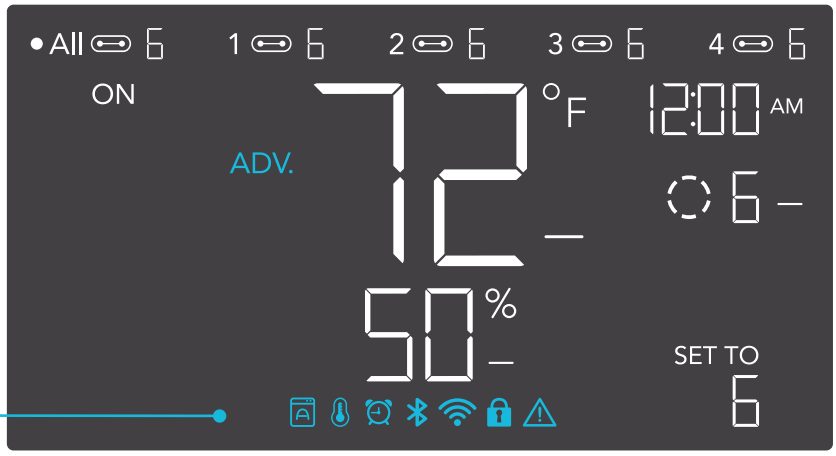
ADVANCE PROGRAMMING
Displays when an advance program set in the app is active. "ADV." will appear and override the controller if an automation program is in use.

AUTO MODE ALERT
Flashes whenever any of the auto mode triggers (high temperature, low temperature, high humidity, or low humidity) activate your devices.

TIMER ALERT
Flashes when a countdown has completed for TIMER TO ON, TIMER TO OFF, CYCLE, or SCHEDULE Mode.

CONTROLLER 69

PROGRAMMING



BLUETOOTH

Appears when the physical controller is connected to the app via Bluetooth.

DISPLAY LOCK ALERT

Displays when you lock the controller. The icon will flash and beep if you attempt to adjust the controller while it is still locked.

TEMPERATURE/ HUMIDITY ALARM

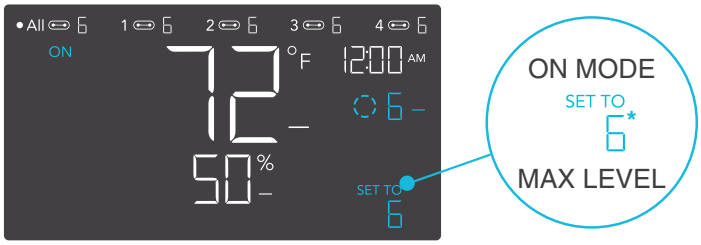
Flashes and beeps with alarm if the temperature/ humidity meet the trigger point set in the app.

CONTROLLER 69

MAXIMUM AND MINIMUM SETTINGS

MAXIMUM LEVEL

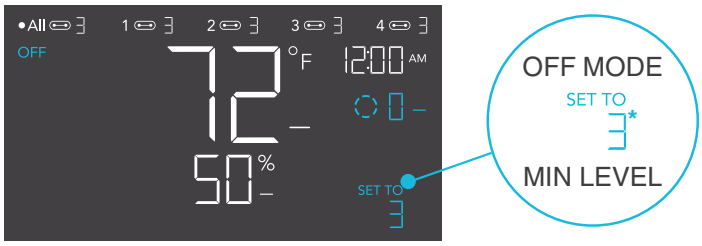
You can determine what level the device will run at when its triggered ON. This can be set in ON MODE. The level you leave that mode in will be used as the level the device will run at when triggered ON. This includes AUTO MODE, CYCLE MODE, TIMER TO ON MODE, TIMER TO OFF MODE, and SCHEDULE MODE. Do not set the figure in ON MODE to zero or the device will turn off when it's triggered ON in all modes.



*Example shown

MINIMUM LEVEL

You can set a minimum level for the device to continuously run at until it's triggered ON. This can be set in OFF MODE. The level you leave that mode in will be used as the minimum level for all other modes such as AUTO MODE, CYCLE MODE, TIMER TO ON MODE, TIMER TO OFF MODE, and SCHEDULE MODE. They will run at the level set here even when they are triggered to be OFF. They will continuously run until they are triggered to be ON, at which they will run at the level you had set in ON MODE. If you want the device to actually turn off when it's triggered to be OFF, please set the figure in OFF MODE to zero.



*Example shown

CONTROLLER 69

OTHER SETTINGS

FACTORY RESET

Holding the mode, up, and down buttons together for 5 seconds will reset your controller and restore factory settings. This clears all user parameters in each controller mode and setting.

HOLD +

CONTROLLER LOCK

Holding the setting button will lock the controller in your current mode. While your controller is locked, no parameters may be adjusted, nor will you be able to switch modes. Holding the setting button again will unlock the controller.

HOLD +

HIDE SCREEN

Lock the controller so no settings can be adjusted. See above. Then press the setting button to turn the display off. Pressing it again will turn the display back on. Programs will still run in the background while the LCD screen is off.

PRESS +

JUMP TO OFF MODE

Holding the mode button for 3 seconds while in any mode or setting will automatically jump to OFF Mode. This function is disabled if the controller is locked.

HOLD +

RESET TO OFF/DEFAULT

Holding the up and down buttons together for 2 seconds will reset the value of your current mode or controller setting to OFF/Default. Pressing either the up or down button will return to the previous value.

HOLD +

AUTO INCREASING OR DECREASING

Holding the up or down button will increase or decrease the user setting automatically until you release them.

HOLD +

HOLD +

CONTROLLER 69

DOWNLOAD THE APP

THE AC INFINITY APP

The AC Infinity app enables you to connect with the next generation of our intelligent controllers, giving you access to advance programs and environmental data.

1

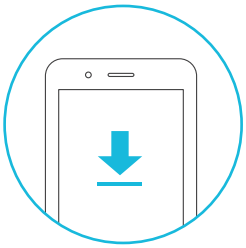
Download the AC Infinity app from the App Store or Play Store by searching “AC Infinity”.

Download on the App Store

GET IT ON Google Play

2

Open the AC Infinity app and follow the instructions on page 92-94 to pair your controller with the app.



QUICK TIP FOR EASY ACCESS

Open the smart phone camera and scan the QR code below to download the AC Infinity app. Please visit our website at www.acinfinity.com for more information on the AC Infinity app.

Please note: The AC Infinity App’s appearance and features are subject to change, and please refer to our website/QR for the latest instructions.

CONTROLLER 69

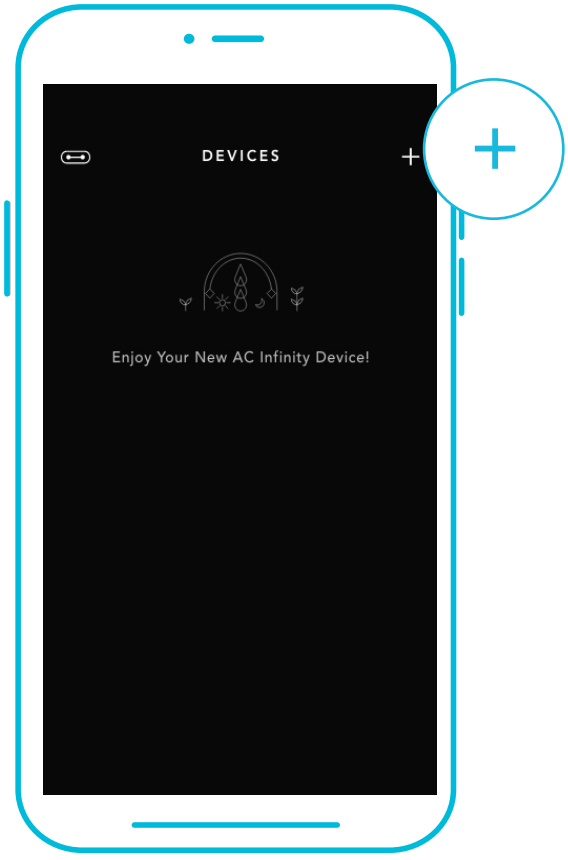
ADD A DEVICE

SETUP AND PAIRING

Power your device on before pairing your device with the app. Refer to pages 68-69 for more information regarding controller setup.

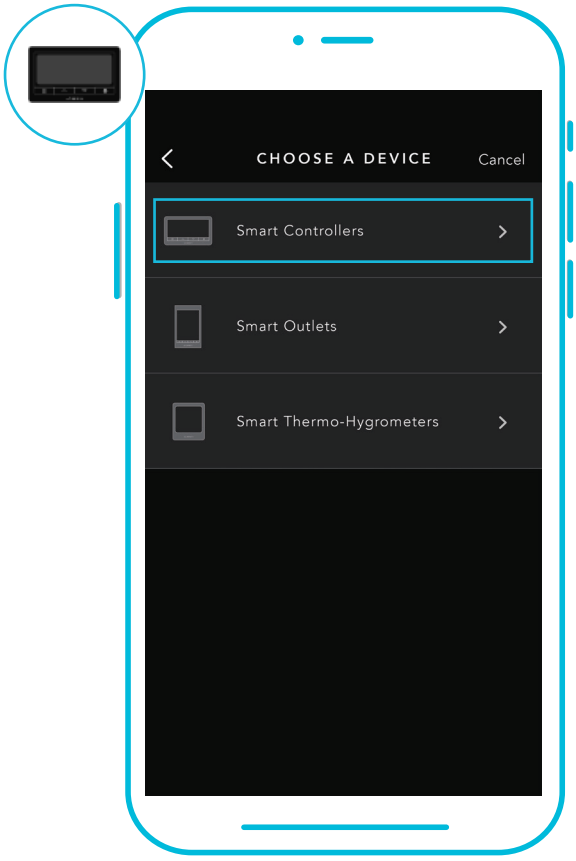
1

Tap on the “+” tab to add your smart device.



2

To launch the app, tap on the “Smart Controllers” tab to begin pairing.



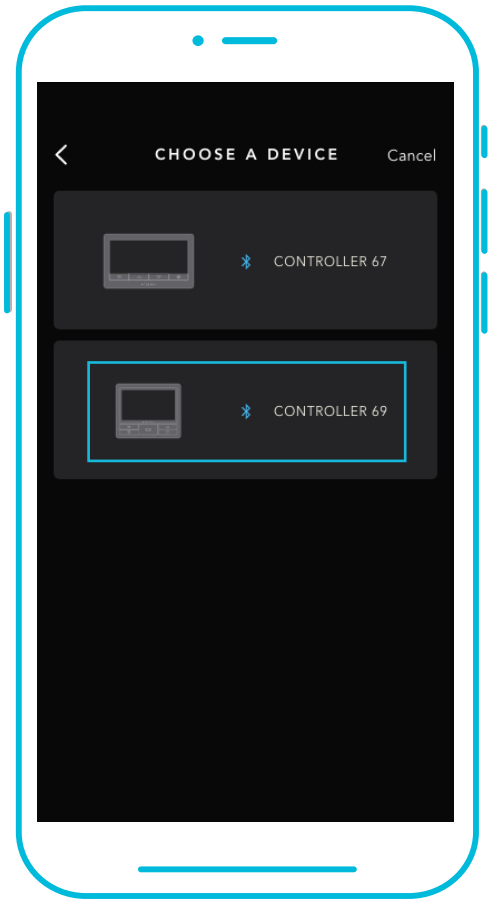
Please note: Bluetooth must be enabled on your mobile device before starting the pairing process.

CONTROLLER 69

ADD A DEVICE

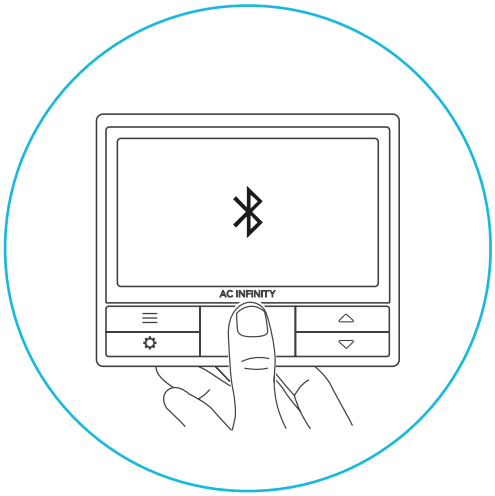
3

Select CONTROLLER 69 to begin pairing.



4

Hold the port button for 5 seconds to activate Bluetooth. Wait for the Bluetooth icon to start flashing on your controller's screen.

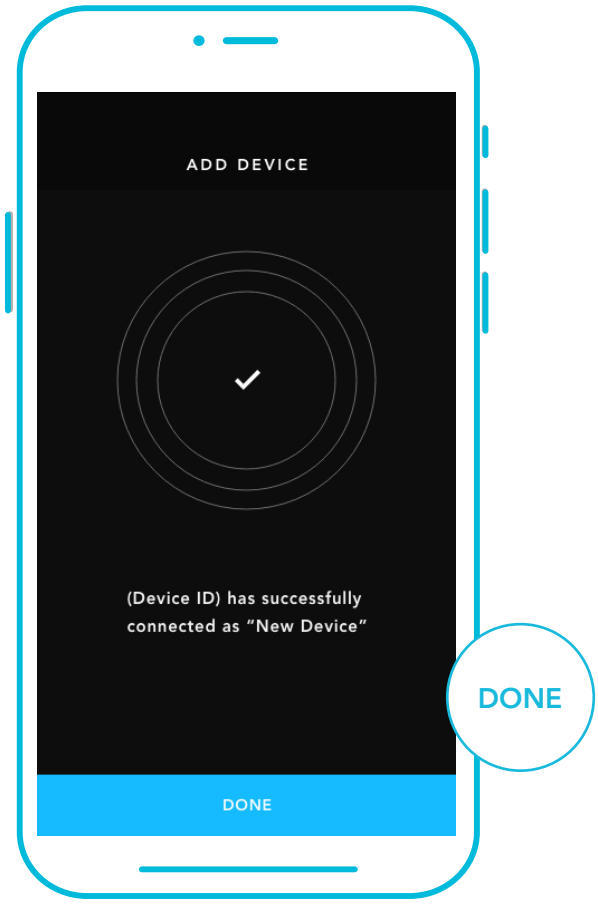


CONTROLLER 69

ADD A DEVICE

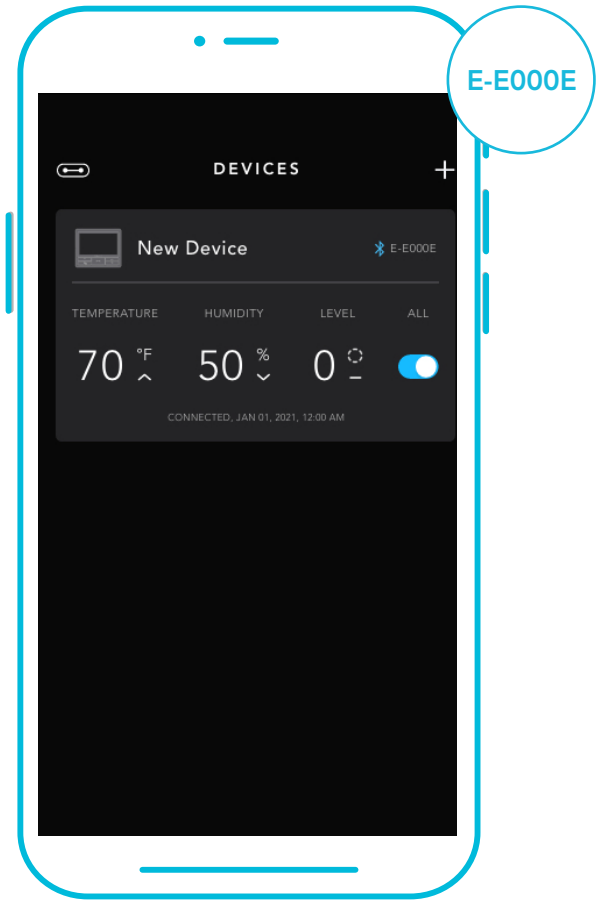
5

Tap DONE button to complete the pairing process.



6

Your controller will appear in your smart device with a unique ID.



CONTROLLER 69

FREQUENTLY ASKED QUESTIONS

Q: What devices are compatible with the CONTROLLER 69?

A: All AC Infinity devices that contain a UIS connector are compatible. If your AC Infinity device has a 4-pin Molex connector and an EC-Motor, it may still be compatible with the use of an UIS adapter to convert its connector to fit with the controller.

Q: What does “level” refer to in the controller and app?

A: The level represents the intensity the device is running at. This is represented by a digit 0 to 10. Zero means the device is off, and 10 represents its running at its maximum. For fan devices, the level would be referring to its speed. For light devices, the level would be referring to its brightness. Note that on and off devices do not have a level setting.

Q: Why is my device is not turning off when the programming is triggering it to be off?

A: The figure set in OFF MODE determines the device’s level when it’s triggered to be OFF in all other modes. Set that figure to zero if you want the device to turn off when triggered OFF. If this is occurring in AUTO MODE, please check your high and low triggers point which can all activate concurrently. Turn off any trigger points that are not in use. If you are using the App, please check if you have any ADVANCE programming which can override any control programing.

Q: Why does my device not run or run at a low level when the programming is triggering it to be on?

A: The figure set in ON MODE determines the device’s level when it’s triggered to be ON in all other modes. Make sure that figure is not set to zero or the device will not run when it’s triggered to be ON. If this is occurring in AUTO MODE, please check your high and low triggers point which can all activate concurrently. Turn off any trigger points that are not in use. If you are using the App, please check if you have any ADVANCE programming which can override any control programing.

Q: Where is the best place to position the sensor probe?

A: Place the sensor probe as close as possible to the hottest or most humid spot in your space.

Q: Do I need to remove the plastic cap from the probe?

A: Yes. You will need to remove the plastic cap so the probe can accurately read climate conditions.

CONTROLLER 69

FREQUENTLY ASKED QUESTIONS

Q: Can I connect different sized fans to the same controller?
A: Please refer to page 74 for details on adding more fan units.

Q: Will I be able to use this controller with my own fan?
A: The CONTROLLER 69 is only compatible with AC Infinity fans that use EC-motors.

Q: Does the controller retain its settings after power is shut off?
A: Yes. If the controller's power is cut off and is powered on afterwards, your settings will remain.

Q: My controller isn't pairing with the app. How do I fix this?
A: If the pairing process isn't successful, turn off your Bluetooth and re-enable it to try again. When starting the pairing process around multiple Bluetooth controllers, move your smart device closer to the controller you wish to connect the app with.

WARRANTY

This warranty program is our commitment to you, the 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 sold by AC Infinity or our authorized dealerships. 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.

For more information about our dealers and distributors, please contact our customer service at support@acinfinity.com or (626) 923-6399 Monday to Friday (9:00 am to 5:00 pm PST).

If you run into any issues with this product, contact us and we'll happily issue a replacement or a full refund!

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