AI-POWERED GROW SYSTEM

COMPLETE INDOOR PLANT KIT

AC INFINITY

PROUD TO PRESENT TO YOU
THE AI-POWERED 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

PRODUCT	MODEL	UPC
AI-Powered Grow System COMPACT (2x2)	AC-PKA22	819137022829
AI-Powered Grow System (2x2)	AC-PKB22	819137022836
AI-Powered Grow System (2x4)	AC-PKB24	819137022843
AI-Powered Grow System (3x3)	AC-PKB33	819137022850
AI-Powered Grow System (4x4)	AC-PKB44	819137022867
AI-Powered Grow System PRO (4x4)	AC-PKC44	819137024335
AI-Powered Grow System PRO (5x5)	AC-PKB55	819137024038
AC INFINITY X ATHENA* Cultivator Kit (2x4)	AC-PKN24	819137024366

*Athena is a registered trademark of Athena Ag, Inc.

MANUAL INDEX

Manual Index ..... **Page 5**
Safety Warnings ..... **Page 7**
Product Contents ..... **Page 10**
Quick Build Guide ..... **Page 12**

CLOUDLAB: Advance Grow Tent ..... **Page 16**
- Product Contents ..... Page 17
- Tent Setup ..... Page 19
- Controller Plate Setup ..... Page 24
- Mounting Guide ..... Page 26
- Ventilation Guide ..... Page 27
- Configuration Setup ..... Page 28

CLOUDLINE: Mixed Flow Inline Fan System ..... **Page 30**
- Product Contents ..... Page 31
- Mounting ..... Page 32
- Overhead Hanging ..... Page 37
- Motor Cap ..... Page 40
- Configuration Setup ..... Page 41
- Cleaning ..... Page 42

Duct Carbon Filter: Premium Australian Charcoal ..... **Page 44**
- Product Contents ..... Page 45
- Installation ..... Page 46
- Overhead Hanging ..... Page 47
- Configuration Setup ..... Page 51
- Maintenance ..... Page 54

IONBOARD / IONFRAME EVO: Grow Light System ..... **Page 56**
- Product Contents ..... Page 57
- Installation: IONBOARD ..... Page 59
- Driver Mounting: IONFRAME EVO Only ..... Page 61
- Overhead Hanging: IONFRAME EVO ..... Page 64
- Powering and Setup ..... Page 65
- Starter Guide ..... Page 67
- Programming ..... Page 68

MANUAL INDEX

CLOUDRAY: Oscillation Fan System ..... Page 70

- Product Contents ..... Page 71
- Installation ..... Page 72
- Powering and Setup ..... Page 74
- Cleaning ..... Page 75
- Programming ..... Page 77

SPECTRON 3: AI-Powered Grow Camera ..... Page 80

- Product Contents ..... Page 81
- Powering and Setup ..... Page 82
- Getting Started ..... Page 83
- Connecting to the App ..... Page 84
- App Setup ..... Page 87

CLOUDCOM 6: UIS™ Controller ..... Page 90

- Product Contents ..... Page 91
- Powering and Setup ..... Page 92
- Mounting ..... Page 94
- UIS™ Platform ..... Page 96
- Adding More Devices ..... Page 97
- Programming ..... Page 99
- Download the App ..... Page 100
- Add a Device ..... Page 101

Warranty ..... Page 105

SAFETY WARNINGS



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

1. Read all instructions before installing and using this product. Retain these instructions for future reference.
2. Ensure your power source conforms to the electrical requirements of this product and corresponds to the voltage and frequency indicated on the rating label (typically 230 V AC / 50 Hz). Use only correctly rated sockets compatible with the plug type supplied (Type C Europlug or Schuko Type F). Do not use adapters or extension cords that exceed current ratings.
3. Check your local code restrictions for additional safety measures that may be needed for a proper, code-compliant installation.
4. This product is not intended for users who lack experience with and knowledge of this product, children, or those with reduced physical, sensory, or mental capabilities, unless under supervision by a qualified individual responsible for their safety.
5. If you are unfamiliar or have doubts about performing this product's installation, seek the services of a qualified, trained, and licensed professional. Inappropriate installation will void this product's warranty.
6. Do not attempt to hardwire or modify this product. Performing any retrofitting actions may result in personal injury and/or electrical damage and will void this product's warranty.
7. This product must not be used in potentially hazardous locations such as flammable, explosive, chemical-laden, or wet atmospheres. Use only in environments suitable for the protection rating (IP) indicated on the product label (e.g., IP20, IP44, or IP65). Do not expose components to moisture beyond their rated protection level.
8. Ducted products must always be vented to outdoor areas in accordance with local building and ventilation codes.
9. Do not cover power cords with rugs, carpets, or other fabric materials. Keep cords away from heat sources, sharp edges, and moisture.
10. This product has rotating parts. Safety precautions should be exercised during installation, operation, and maintenance. After switching off, wait until all moving parts have come to a complete stop before servicing or cleaning.
11. Do not insert or allow fingers or foreign objects to enter any ventilation or exhaust openings as it may cause electric shock, fire, or damage to this product. Do not block or tamper with this product in any manner while it is in operation. Do not cover or obstruct airflow openings during operation.
12. Do not depend on the on/off programming as the sole means of shutting power from this product. Unplug the power cord before installing, servicing, cleaning, or moving this product. Servicing or internal repairs must only be carried out by qualified personnel.
13. Do not operate this product while it is damaged, or if it malfunctions, has been dropped, or if its cord or plug is damaged in any manner.
14. Do not consume fertilizers. Seek medical attention and rinse mouth in case of consumption. Keep fertilizers out of reach from children and animals. Store only in the original labeled container and follow local chemical safety regulations (CLP 1272/2008 / EU 2019/1009).
15. Wash hands thoroughly after handling fertilizers. Avoid contact with eyes and skin. Wear suitable gloves when handling liquid nutrients.
16. This device contains electronic and Wi-Fi components. Do not open or alter the controller housing. Radio frequency band 2.4 GHz (2400–2483.5 MHz), max transmit power < 20 dBm EIRP.
17. The controller shall be used at an altitude not exceeding 16,400 ft. (5000 m).
18. This controller is intended for plant growth monitoring.

SAFETY WARNINGS



19. The recommended controller installation height shall not exceed 6.5 ft. (2 m).
20. Dispose of this product in accordance with local regulations on waste electrical and electronic equipment (WEEE Directive 2012/19/EU). Do not dispose of in household waste. Contact your local authority or distributor for proper recycling.
21. This product complies with the requirements of EU Directives 2014/35/EU (LVD), 2014/30/EU (EMC), 2014/53/EU (RED), 2011/65/EU (RoHS), and 2023/988 (GPSR). The EU Declaration of Conformity is available at www.acinfinity.com/compliance
22. Manufacturer: AC Infinity Inc., 21880 Baker Parkway, City of Industry, CA 91789 USA EU Representative: THEMIS AR Unterstützung UG (haftungsbeschränkt), Beedstrasse 54, 40468 Düsseldorf, Germany, legal@themisar.com EU Conformity: CE / RoHS / WEEE / GPSR / RED / CLP (as applicable)

Manufacturer: AC Infinity Inc., 21880 Baker Parkway, City of Industry, CA 91789 USA
EU Representative: THEMIS AR Unterstützung UG (haftungsbeschränkt), Beedstrasse 54, 40468 Düsseldorf, Germany, legal@themisar.com
EU Conformity: CE / RoHS / WEEE / GPSR / RED / CLP (as applicable)

FCC Warning

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

SAFETY WARNINGS



ISED Warning

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

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The device meets the exemption from the routine evaluation limits in issue6 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

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

Avertissement ISED

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

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

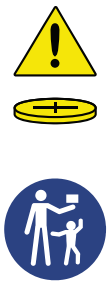
Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la numéro 6 de RSS 102 etla conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne surl'exposition et la conformité de rf.

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

⚠ WARNING / AVERTISSEMENT

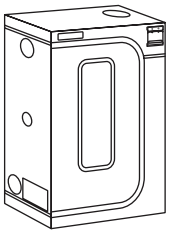
- INGESTION HAZARD: This product contains a button cell or coin battery.
- DEATH or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.
- KEEP new and used batteries OUT OF REACH OF CHILDREN. Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.

- DANGER D'INGESTION: Ce produit contient une cellule boutonée ou une batterie de pièces.
- La mort ou les blessures graves peut survenir si elles sont ingérées.
- Une cellule a bouton avalée ou une batterie de monnaie peut provoquer des brûlures chimiques internes en aussi peu que 2 heures.
- Gardez les batteries neuves et utilisées hors de portée des enfants. Recherchez un médecin immédiat si une batterie est suspectée d'être avalée ou insérée dans une partie du corps.

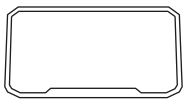


PRODUCT CONTENTS

OVERVIEW



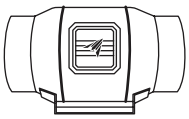
CLOUDLAB
Advance Grow Tent
BOX A



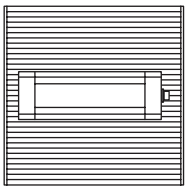
CLOUDCOM 6
UIS Controller
BOX B



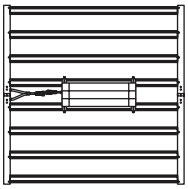
CLOUDLINE
Inline Fan
BOX C
(NOT included in PRO models)



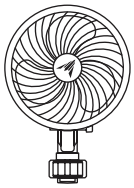
CLOUDLINE PRO
Inline Fan
BOX C
(PRO models ONLY)



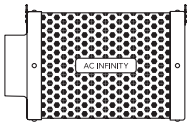
IONBOARD
LED Grow Light
BOX D
(NOT included in PRO models)



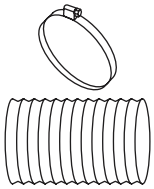
IONFRAME EVO*
LED Grow Light
BOX D
(PRO models ONLY)



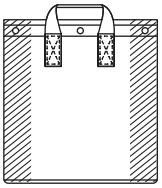
CLOUDRAY
Clip Fan
BOX E



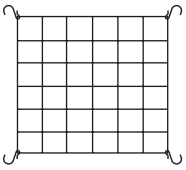
INLINE
CARBON FILTER
BOX F



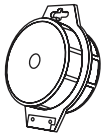
DUCTING
AND CLAMPS
BOX G



FABRIC POTS,
5 gal.
BOX H



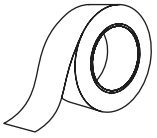
ELASTIC
TRELLIS NETTING
BOX I



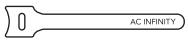
GARDEN PLANT
TWIST TIES
BOX I



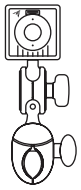
STAINLESS STEEL
PRUNING SNIPS
BOX I



ALUMINUM
DUCTING TAPE
BOX I

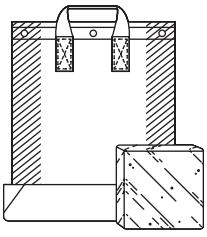


HOOK AND LOOP
CABLE TIES
BOX I

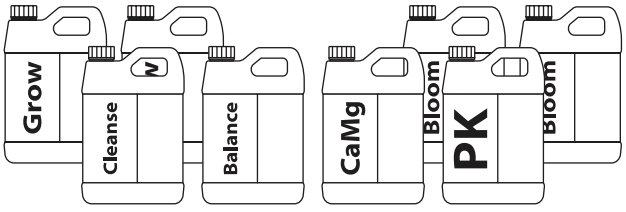


SPECTRON 3
Grow Camera
BOX J
(Select models ONLY)

AC INFINITY X ATHENA† Cultivator Kit



INSTANT POTTING
MIX KIT
BOX H
(Athena models ONLY)



ATHENA
STARTER KIT

*IONFRAME EVO8 shown
†Athena is a registered trademark of Athena Ag, Inc.

PRODUCT CONTENTS

DETAILS

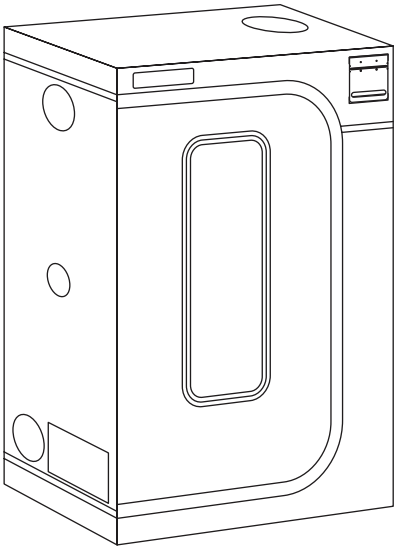
	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA* Cultivator Kit (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
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 642, 24" x 48" x 72" x1	CLOUDLAB 733, 36" x 36" x 72" x1	CLOUDLAB 844, 48" x 48" x 80" x1	CLOUDLAB 844, 48" x 48" x 80" x1	CLOUDLAB 866, 60" x 60" x 80" x1
BOX B GROW TENT CONTROLLER	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1
BOX C INLINE FAN	CLOUDLINE A4 Inline Fan 4 in. x1	CLOUDLINE A4 Inline Fan 4 in. x1	CLOUDLINE A4 Inline Fan 4 in. x1	CLOUDLINE A4 Inline Fan 4 in. x1	CLOUDLINE A6 Inline Fan 6 in. x1	CLOUDLINE A6 Inline Fan 6 in. x1	CLOUDLINE T6 Inline Fan 6 in. x1	CLOUDLINE T6 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	Nylon Hanging Straps x2 per box	Nylon Hanging Straps x2 per box	Nylon Hanging Straps x2 per box
BOX D LED GROW LIGHT	IONBOARD 1, 2x2 Coverage x1	IONBOARD 1, 2x2 Coverage x1	IONBOARD 3, 2x4 Coverage x1	IONBOARD 3, 2x4 Coverage x1	IONBOARD 4, 3x3 Coverage x1	IONBOARD 6, 4x4 Coverage x1	IONFRAME EVO6, 4x4 Coverage x1	IONFRAME EVO8, 5x5 Coverage x1
BOXES D ROPE CLIP HANGERS	Adjustable Hangers x2	Adjustable Hangers x2	Adjustable Hangers x2	Adjustable Hangers x2	Adjustable Hangers x2	Adjustable Hangers x2	Adjustable Hangers x2	Adjustable Hangers x2
BOXES D CONTROLLER CORD	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1
BOX E CLIP-ON FAN	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S6, Oscillating Clip Fan x1	CLOUDRAY S9, Oscillating Clip Fan x1	CLOUDRAY S9, Oscillating Clip Fan x1	CLOUDRAY S9, Oscillating Clip Fan x1
BOXES E CONTROLLER CORD	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1
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	Inline Carbon Filter, 6 in. x1	Inline Carbon Filter, 6 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	6 in. Flexible Ducting, 8 ft. Length x1	6 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	6 in. Silver Metal Clamp x2	6 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	Instant Potting Mix Kit, 5 gal. x1	Fabric Pots, 5 gal. x6	Fabric Pots, 5 gal. x8	Fabric Pots, 5 gal. x8	Fabric Pots, 5 gal. x12
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 2' x 4' x1	Elastic Trellis Netting 3' x 3' x1	Elastic Trellis Netting 4' x 4' x1	Elastic Trellis Netting 4' x 4' x1	Elastic Trellis Netting 5' x 5' 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	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	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	Aluminum Tape, 5 ft. x1	Aluminum Tape, 5 ft. x1	Aluminum Tape, 5 ft. x1
BOX I HOOK AND LOOP TIES	Hook and Loop Cable Tie x10	Hook and Loop Cable Tie x10	Hook and Loop Cable Tie x10	Hook and Loop Cable Tie x10	Hook and Loop Cable Tie x10	Hook and Loop Cable Tie x10	Hook and Loop Cable Tie x10	Hook and Loop Cable Tie x10
BOX J GROW CAMERA	Not Included	Not Included	Not Included	Spectron 3 Grow Camera x1	Not Included	Not Included	Spectron 3 Grow Camera x1	Spectron 3 Grow Camera x1
ATHENA STARTER KIT	Not Included	Not Included	Not Included	Grow A x1 Cleanse x1 Grow B x1 Balance x1 CaMg x1 Bloom A x1 PK x1 Bloom B x1	Not Included	Not Included	Not Included	Not Included

*Athena is a registered trademark of Athena Ag, Inc.

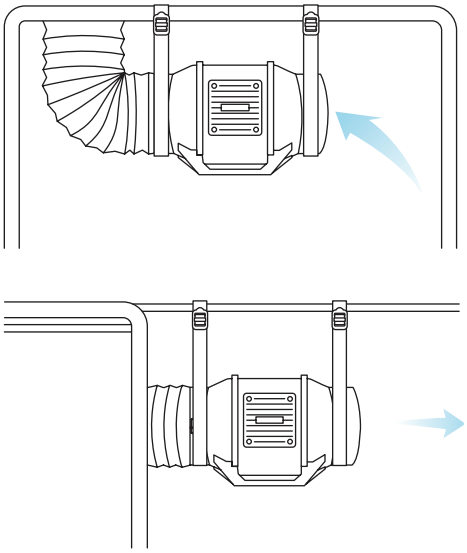
QUICK BUILD GUIDE

ALL MODELS

1 Build the **Grow Tent (BOX A)**. Refer to the CLOUDLAB section.

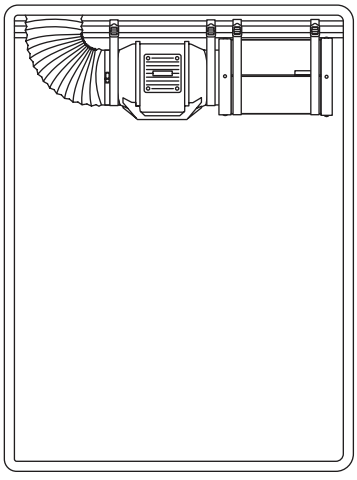


2 Install the **Inline Fan** with **Straps (BOX C)**, **Ducting** and **Clamps (BOX G)** to your preferred configuration. Refer to the CLOUDLINE section.

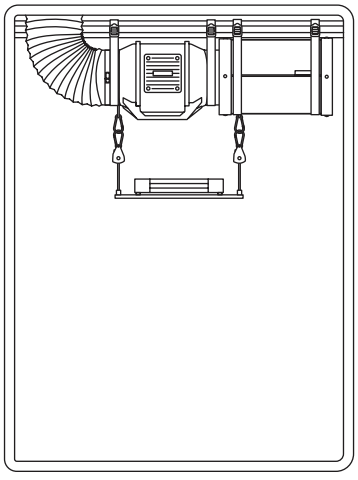


---

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

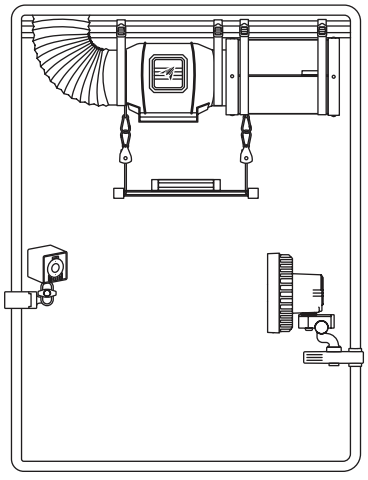


4 Hang the **Grow Light** using **Rope Hangers (BOX D)** by the roof support beams. Refer to the Grow Light section. Turn the knob to “UIS” to pair and connect with the controller.



5 Clamp the **Clip Fan (BOX E)** onto the tent frame. Refer to the CLOUDRAY section.

Clamp the **Grow Camera (BOX J)*** onto the tent frame. Refer to the Spectron section.



PRO model shown

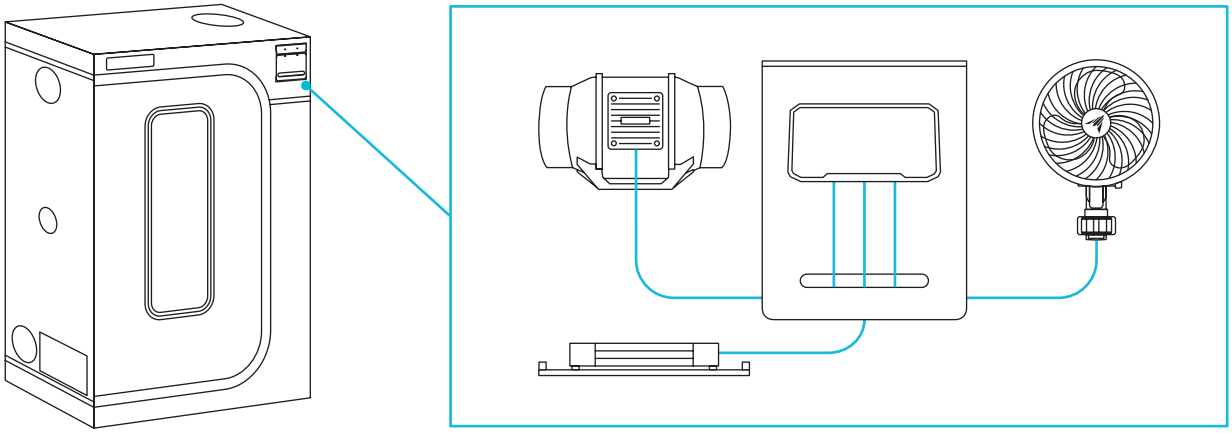
*Grow Camera included in select models only

QUICK BUILD GUIDE

ALL MODELS

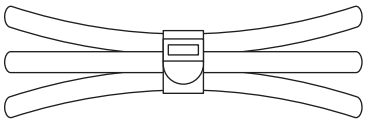
6 Mount the **Grow Tent Controller (BOX B)** onto the **Controller Plate (BOX A)**. Refer to the Controller Plate Setup section.

Plug the probe and devices into any of the UIS ports.

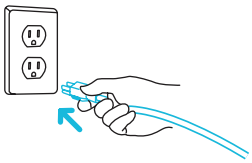


---

7 Use the **Hook and Loop Ties (BOX I)** to 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 the included Cloudcom 6 Quick Start Guide.

Program your controller to the following settings:

- Set your **Inline Fan** to Min Level 2 in OFF Mode, Max Level 5 in ON Mode, and 12:00 pm to 6:00 pm in Schedule Mode.
- Set your **Grow Light** to Min Level 0 in OFF Mode, Max Level 10 in ON Mode, and 6:00 pm to 12:00 pm in Schedule Mode.
- Set your **Oscillating Fan** to Level 5.

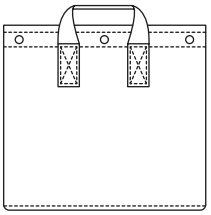
Download the AC Infinity app to access recipes for each grow stage and more automations.

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

QUICK BUILD GUIDE

AC INFINITY x ATHENA*, Cultivator Kit

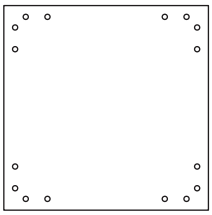
INSTANT POTTING MIX KIT



FABRIC POT,
5 GAL.
(x2)



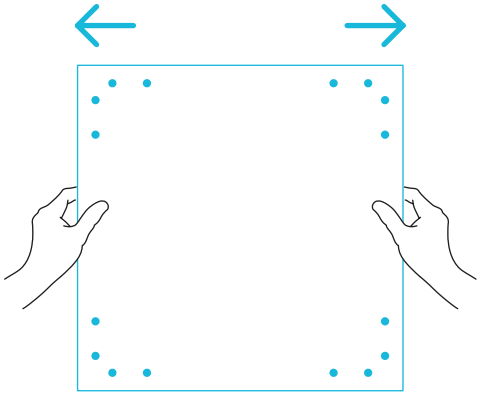
COCO COIR
BRICK, 2 LB
(x4)



MULTIPURPOSE
TRAY, 4 GAL.
(x2)

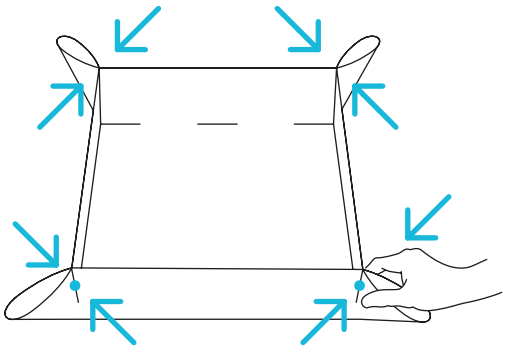
STEP 1

Unfold the multipurpose tray canvas.



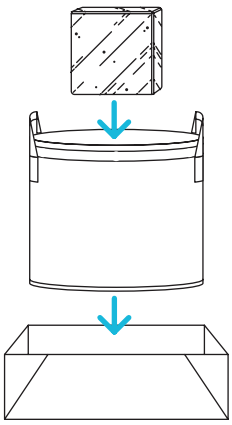
STEP 2

Snap the corner buttons together to make a tray.



STEP 3

Place a single coco coir brick into the fabric pot, then place them both into the tray.



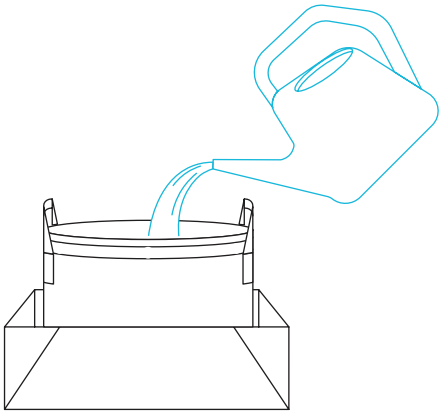
*Athena is a registered trademark of Athena Ag, Inc.

QUICK BUILD GUIDE

AC INFINITY x ATHENA*, Cultivator Kit

STEP 4

Add 2 gallons (8L) of water into the fabric pot.



STEP 5

Wait 30 minutes for the brick to absorb the water.



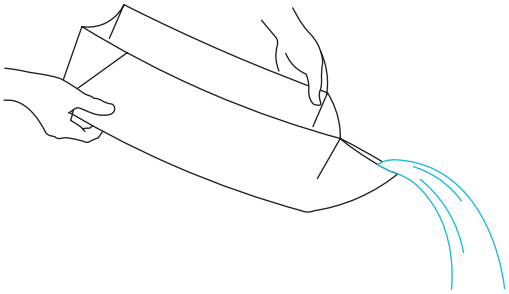
STEP 6

Fluff the coco coir to aerate the soil and remove clumps.



STEP 7

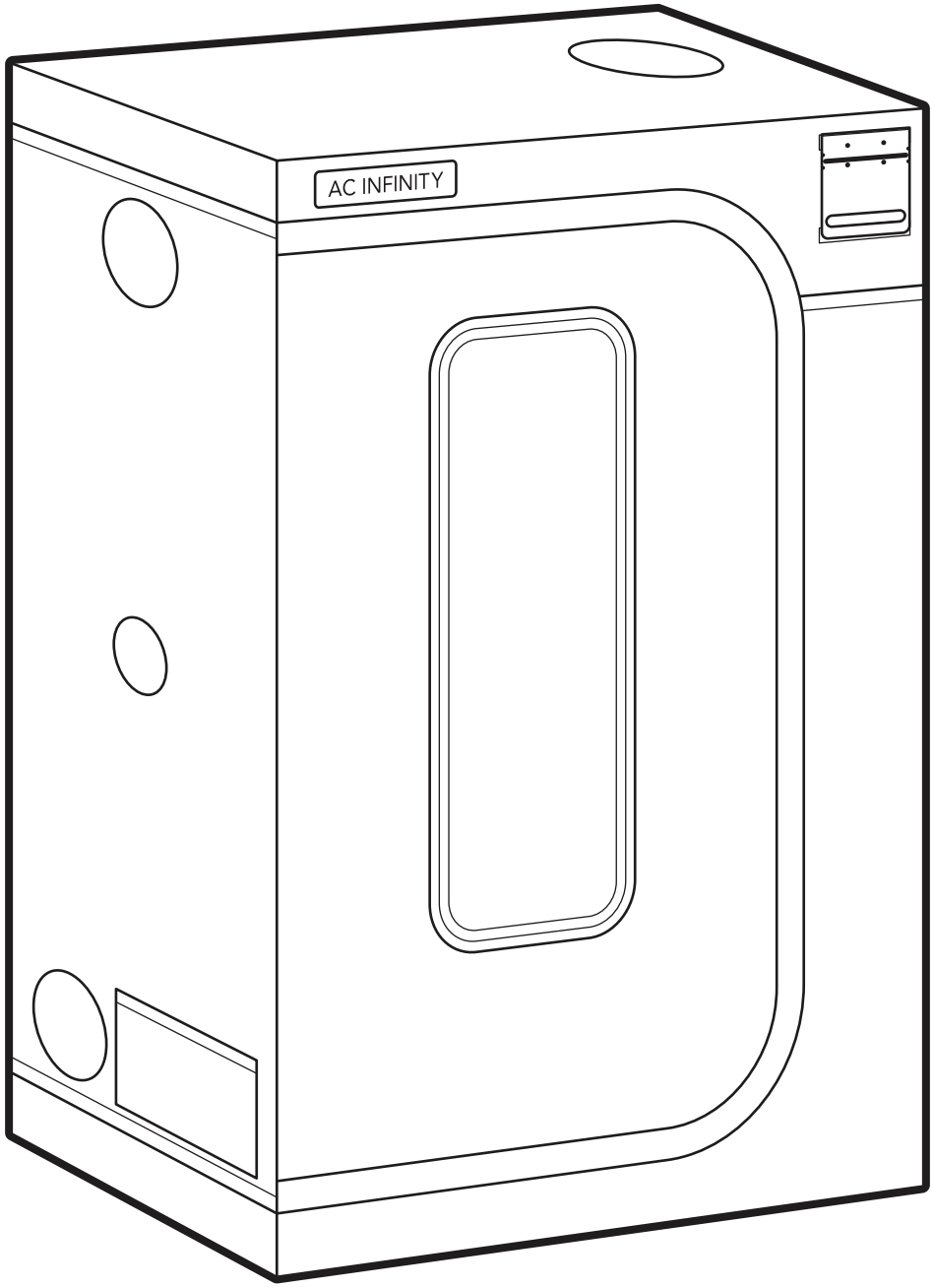
Pour out excess water from the tray. Repeat steps 3-7 to hydrate additional blocks.



*Athena is a registered trademark of Athena Ag, Inc.

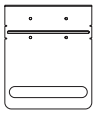
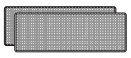
CLOUDLAB SERIES

ADVANCE GROW TENT



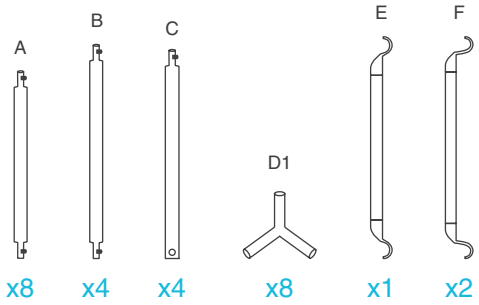
ADVANCE GROW TENT

PRODUCT CONTENTS

	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA, AI-Powered Grow System (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
 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 642, 24" x 48" x 72" x1	CLOUDLAB 733, 36" x 36" x 72" x1	CLOUDLAB 844, 48" x 48" x 80" x1	CLOUDLAB 844, 48" x 48" x 80" x1	CLOUDLAB 866, 60" x 60" x 80" x1
 CONTROLLER MOUNTING PLATE	x1	x1	x1	x1	x1	x1	x1	x1
 WALL HANG SCREWS WITH NUTS	x4	x4	x4	x4	x4	x4	x4	x4
 CONTROLLER PLATE BOLTS WITH NUTS	x4	x4	x4	x4	x4	x4	x4	x4
 CONTROLLER HOOK AND LOOP PADS	x6	x6	x6	x6	x6	x6	x6	x6
 NYLON HANGING STRAPS	x2	x2	x2	x2	x2	x2	x2	x2

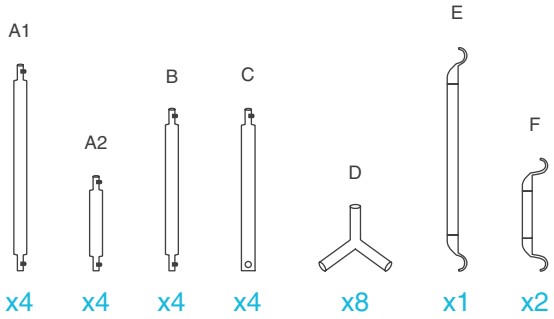
CLOUDLAB
PRODUCT CONTENTS

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



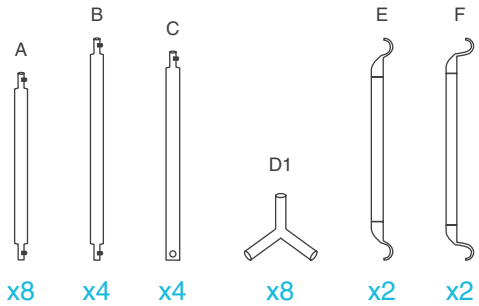
FRAME POLES

CLOUDLAB SERIES Included only with
CLOUDLAB 642 AC-CBA642



FRAME POLES

CLOUDLAB SERIES Included only with
CLOUDLAB 733 AC-CBA733
CLOUDLAB 844 AC-CBA844
CLOUDLAB 866 AC-CBA866



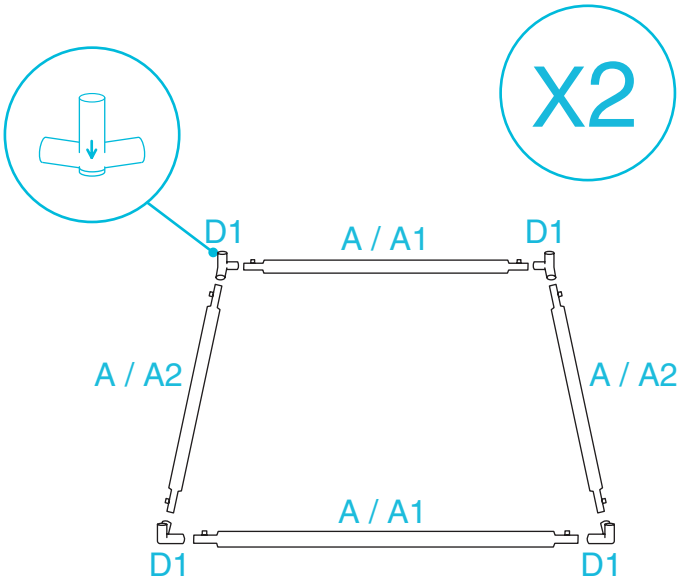
FRAME POLES

NOTE: Pole lengths may vary between all models.

CLOUDLAB
TENT SETUP

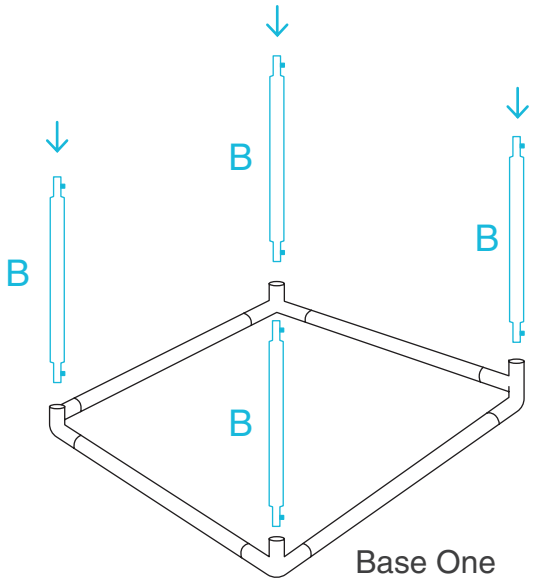
STEP 1
Insert the eight (A) poles* and into the floor end of the corner (D1) pieces to create two bases.

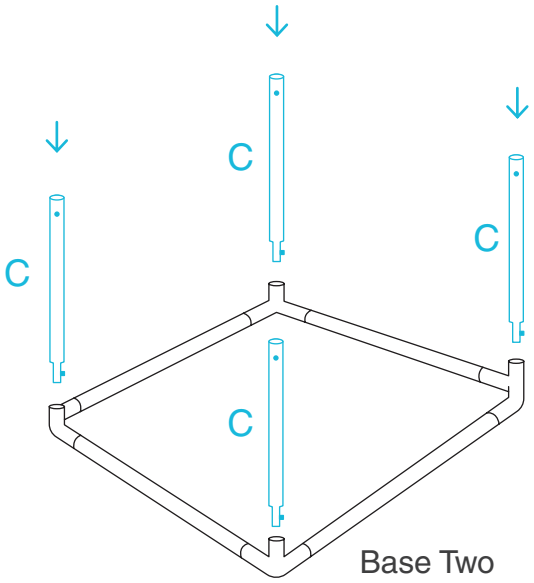
When assembling, make sure the feet of each corner (D1) piece faces the floor with the arrow facing down.



*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.



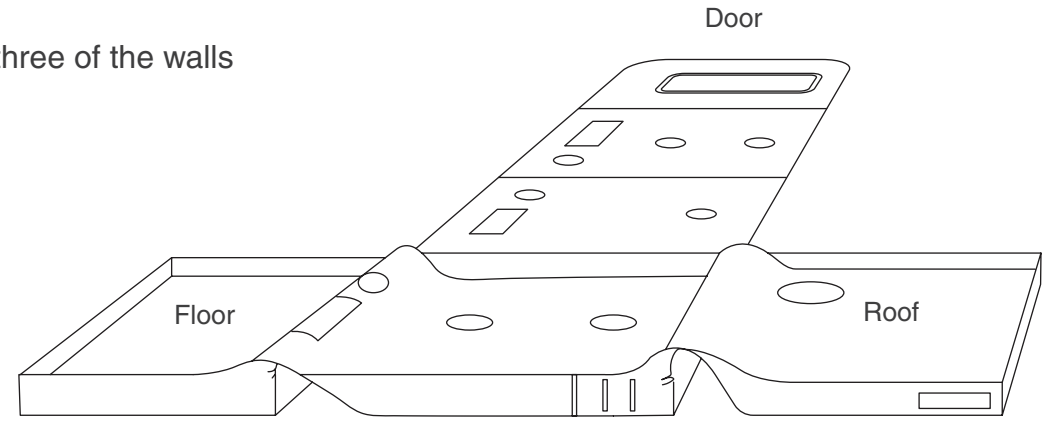


CLOUDLAB

TENT SETUP

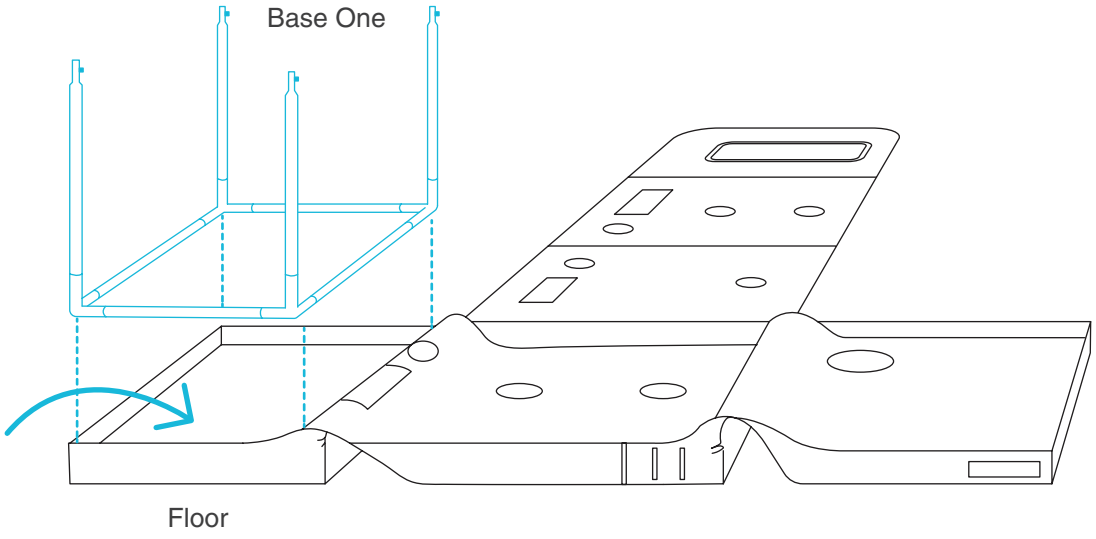
STEP 3

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.

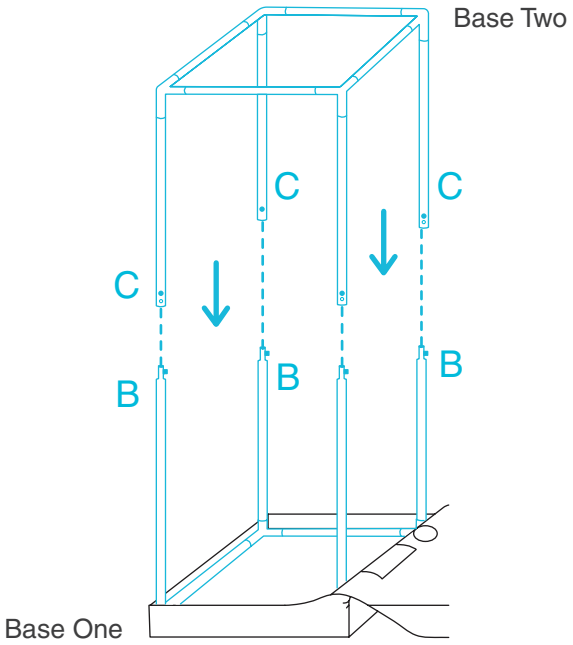


CLOUDLAB

TENT SETUP

STEP 5

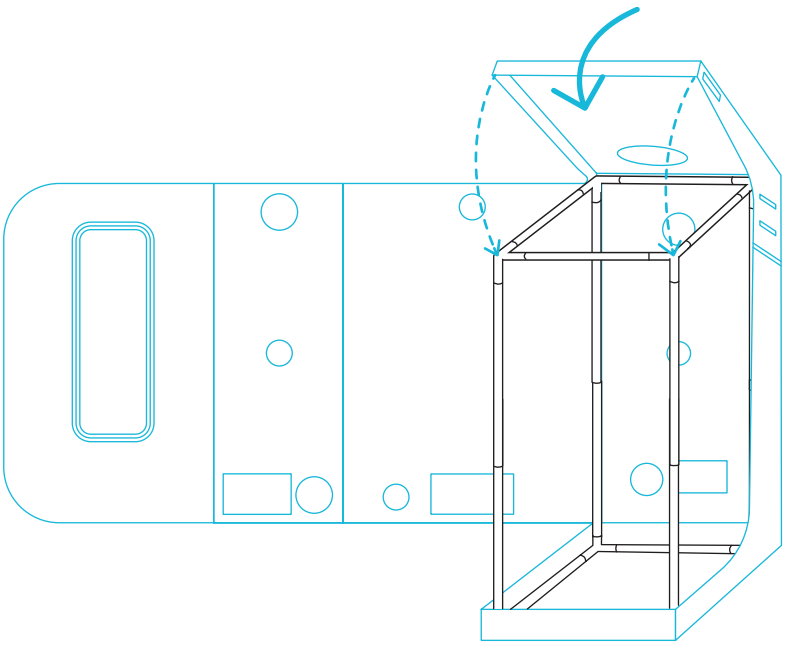
Insert the poles of Base Two into the poles of Base One to complete the frame.



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

STEP 6

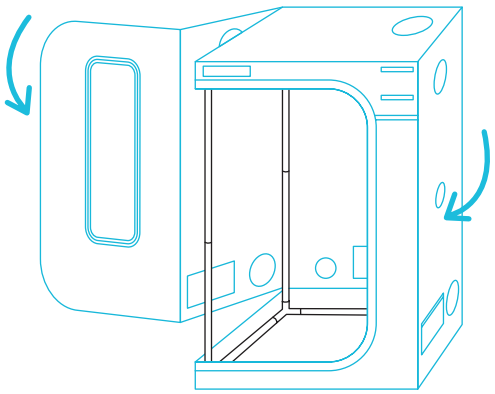
Pull the roof over the assembled frame.

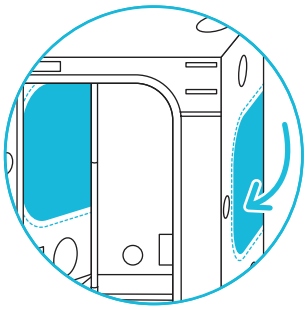


Two people are recommended for this portion of the tent assembly.

CLOUDLAB
TENT SETUP

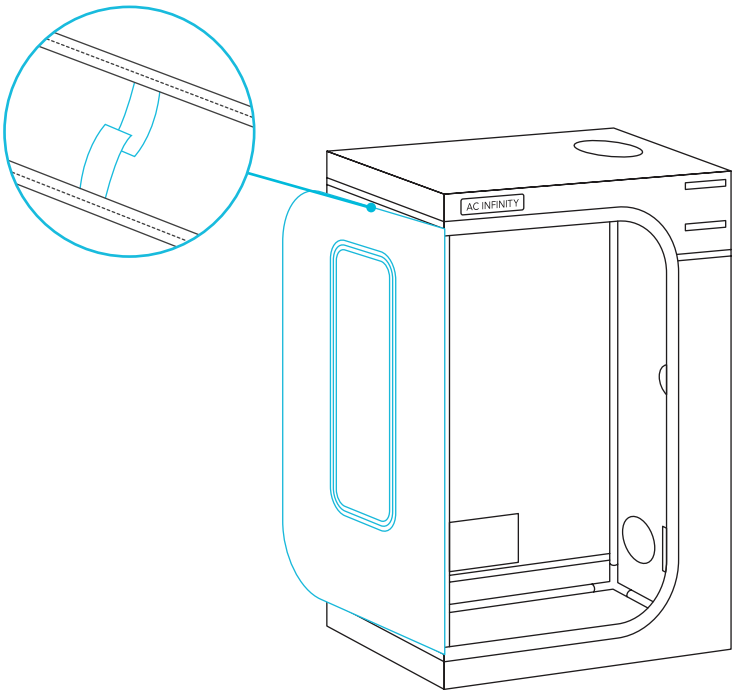
STEP 7
Pull the upper and lower zippers to close the walls and door.





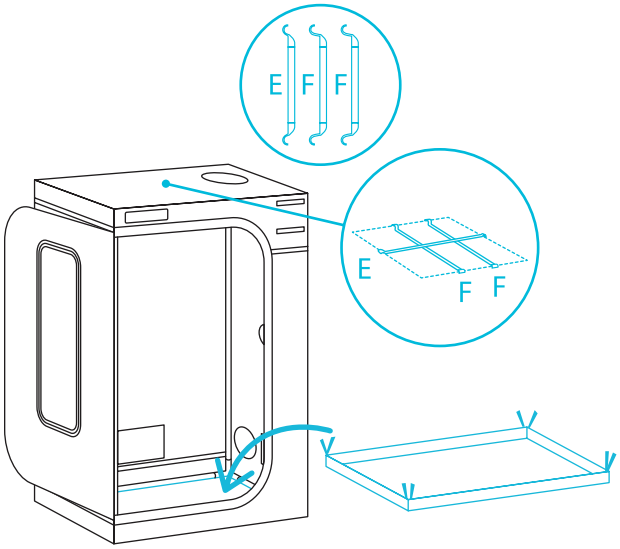
*CLOUDLAB 733 / 844 / 866 are built with additional side doors.

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

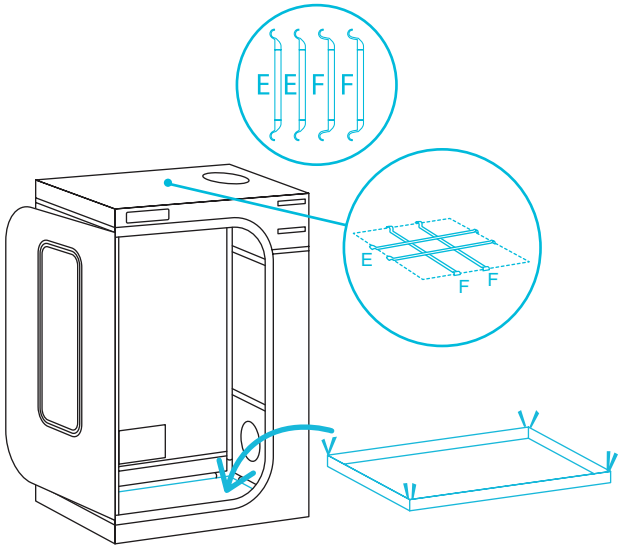


CLOUDLAB
TENT SETUP

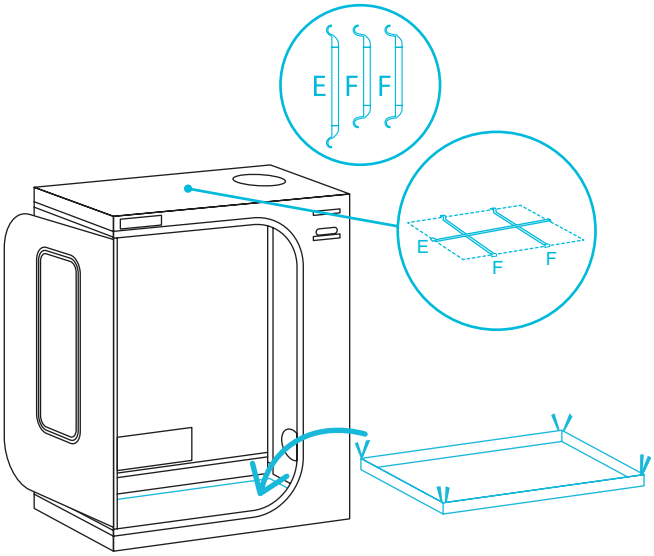
STEP 9
Add the roof support beams (E) then (F). Insert the spill pool into the tent and secure the hook and loop straps around the poles.



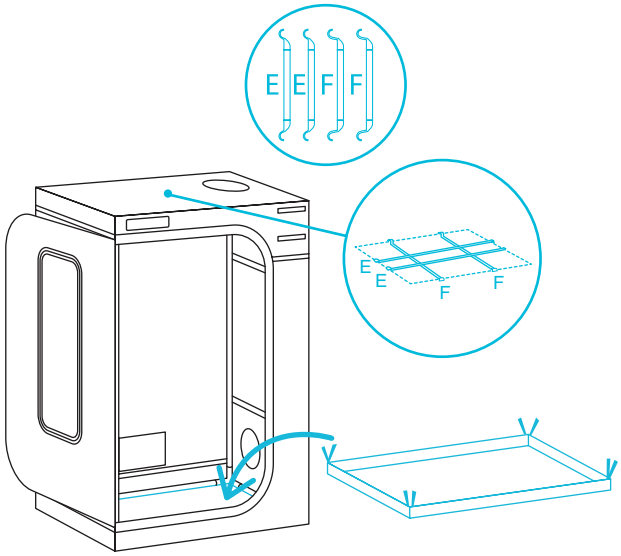
CLOUDLAB 422, 722



CLOUDLAB 733



CLOUDLAB 642



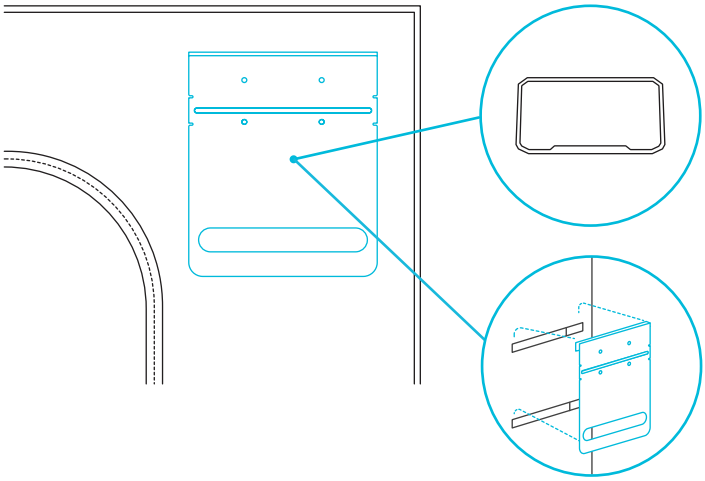
CLOUDLAB 844, 866

*CLOUDLAB 733 / 844 / 866 are built with additional side doors.

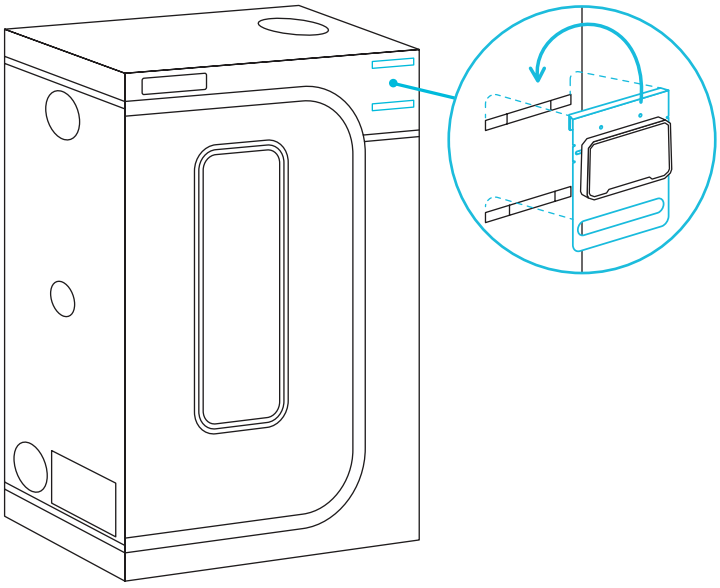
CLOUDLAB
CONTROLLER PLATE SETUP

STEP 1
Magnetically mount the controller onto the bracket.

Refer to the Cloudcom 6 Mounting section for additional controller mounting methods.



STEP 2
Slide the controller bracket assembly into the tent straps.



CLOUDLAB 866 will include a lower third strap for an alternate mounting location.

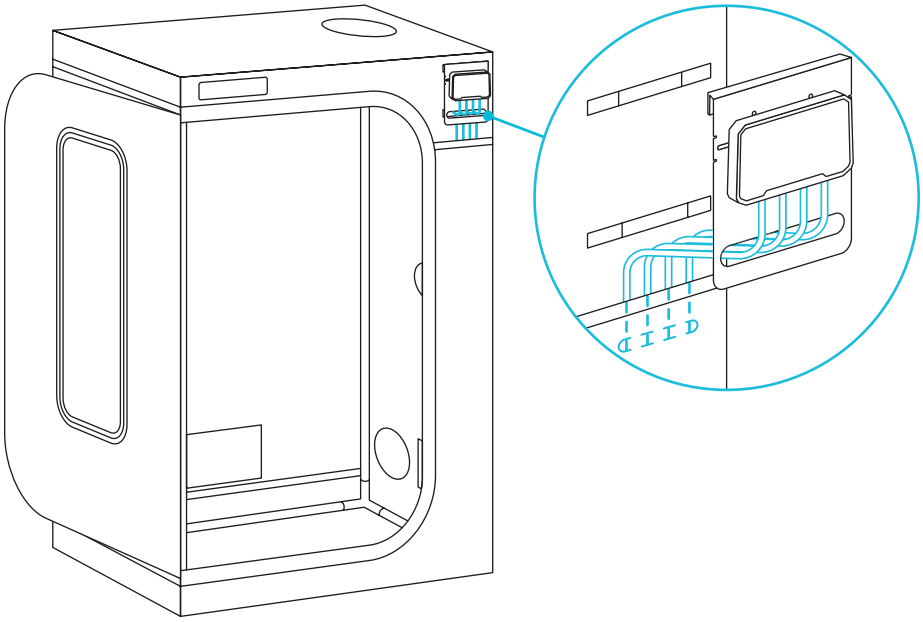
CLOUDLAB

CONTROLLER PLATE SETUP

STEP 3

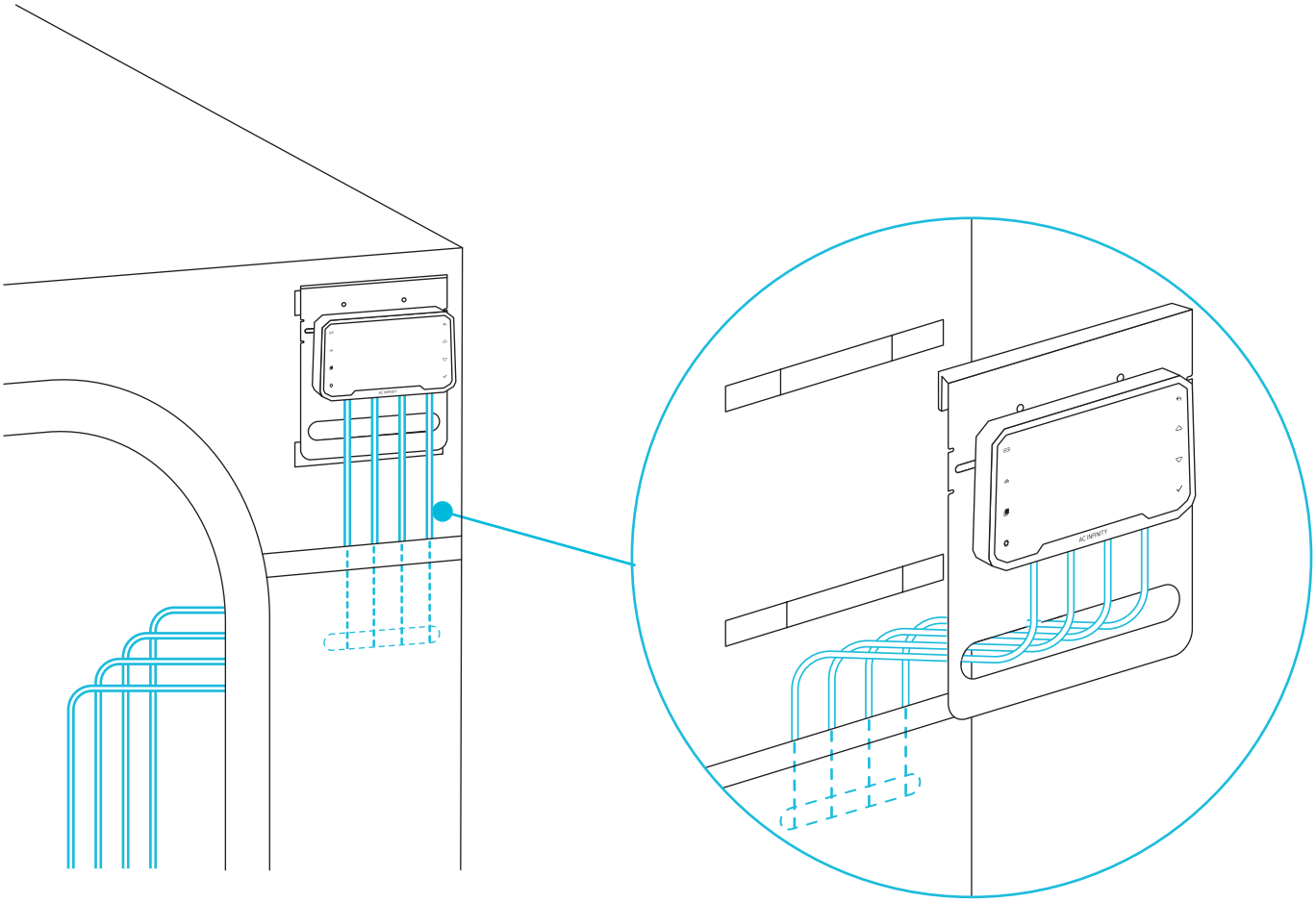
Route your devices' power connectors through the opening inside and plug it into your controller.

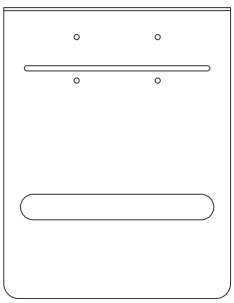
Plug the probe into the controller and route its cables through the opening.



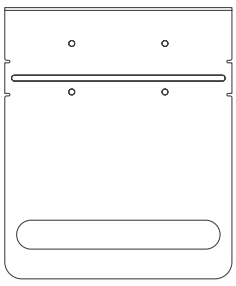
CLOUDLAB
MOUNTING GUIDE

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.





ONLY INCLUDED WITH
CLOUDLAB 642
CLOUDLAB 844
CLOUDLAB 866

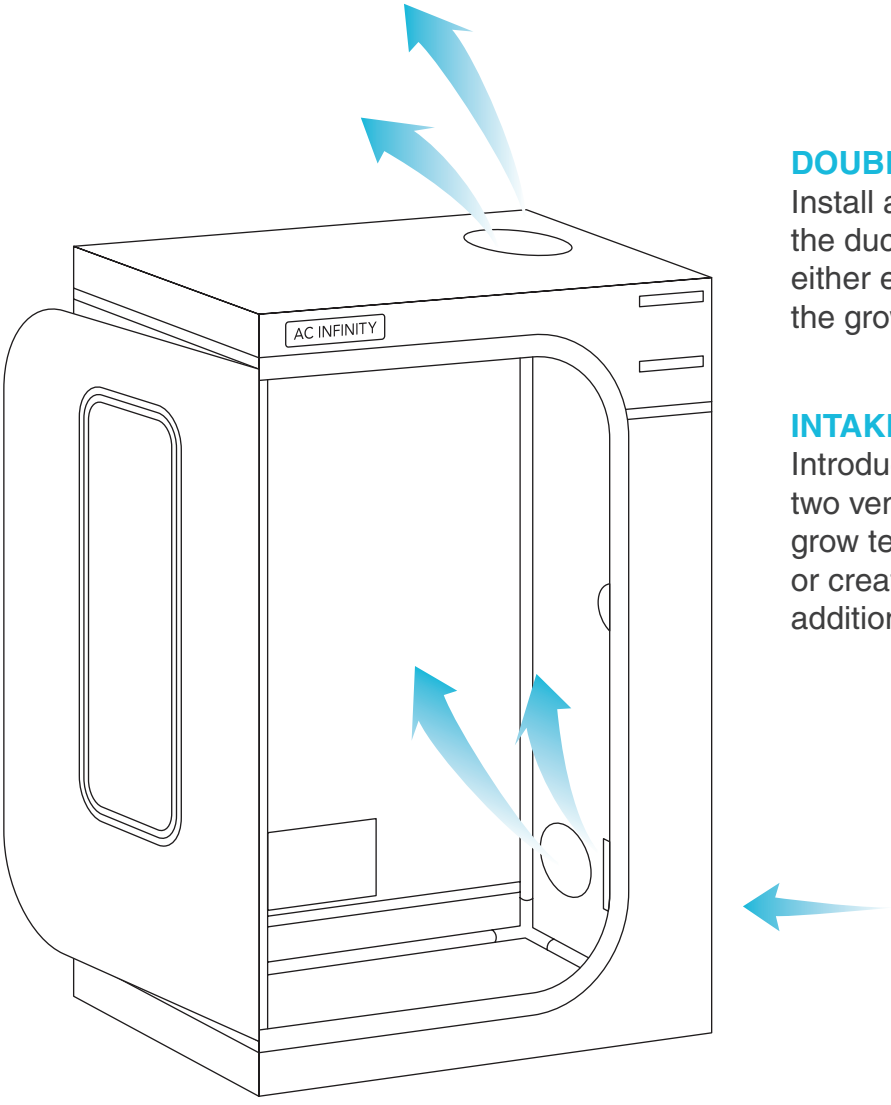


ONLY INCLUDED WITH
CLOUDLAB 422
CLOUDLAB 722
CLOUDLAB 733

CLOUDLAB
VENTILATION GUIDE

INLINE FAN AND GROW LIGHT
First hang your inline duct fan to be used 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.

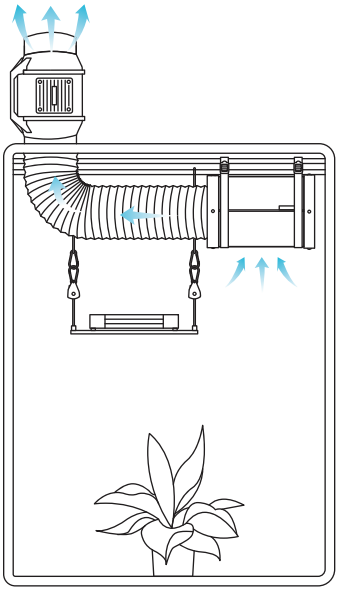
INTAKE HOLES
Introduce fresh air by using one of the two ventilation holes at the bottom of the grow tent. Open a passive intake screen or create active intake by attaching an additional inline fan to a duct port.

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

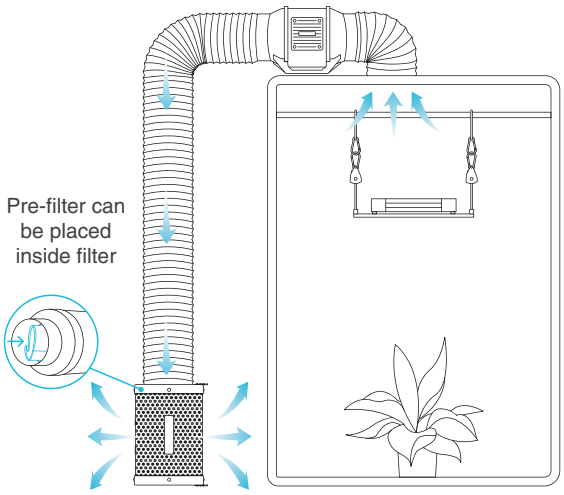
CLOUDLAB
CONFIGURATION SETUP

LIGHT AND VENTILATION PLACEMENT

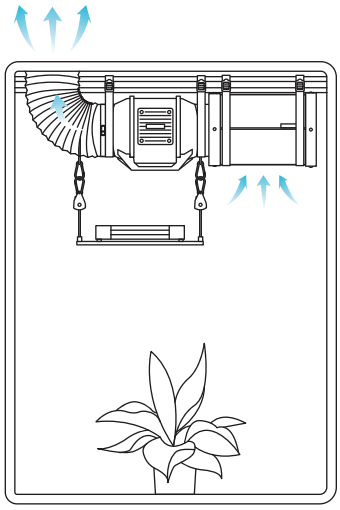
There are many ways to configure these components to bring airflow into your grow space. A typical setup places the fan and the filter inside, which makes it easier to manage while dampening the fan noise. Both can be situated in any order within the ventilation chain if air is being pulled out of your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



Fan Set Outside The Tent



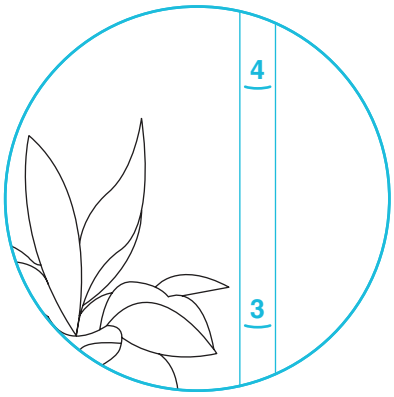
Fan and Filter Set Outside The Tent



Fan and Filter Set 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.

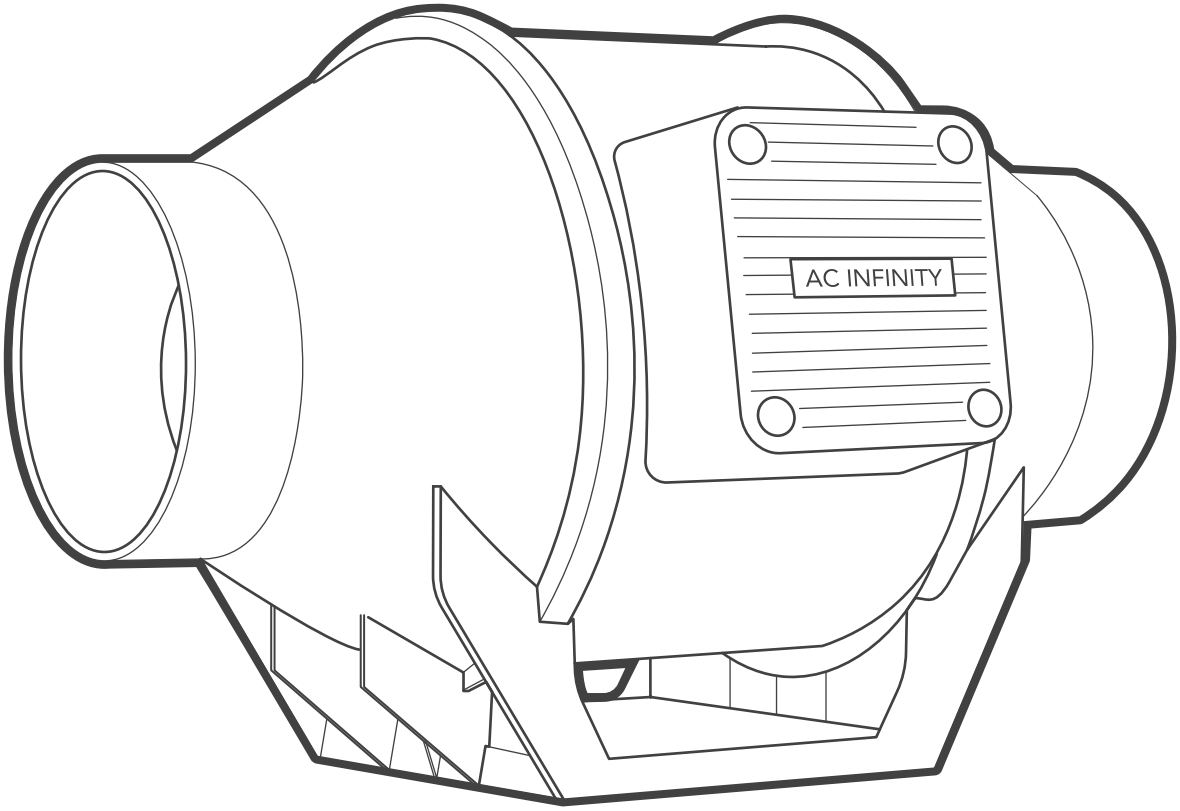


TENT POLES

You may use the tent poles' length markers (in feet) to help measure your plant's height.

CLOUDLINE

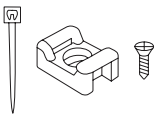
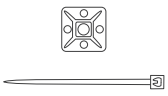
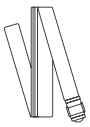
MIXED FLOW INLINE FAN SYSTEMS



CLOUDLINE A4 shown

CLOUDLINE

PRODUCT CONTENTS

	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA, AI-Powered Grow System (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
 INLINE FAN	CLOUDLINE A4 Inline Fan, 4 in. x1	CLOUDLINE A4 Inline Fan, 4 in. x1	CLOUDLINE A4 Inline Fan, 4 in. x1	CLOUDLINE T4 Inline Fan, 4 in. x1	CLOUDLINE A6 Inline Fan, 6 in. x1	CLOUDLINE A6 Inline Fan, 6 in. x1	CLOUDLINE T6 Inline Fan, 6 in. x1	CLOUDLINE T6 Inline Fan, 6 in. x1
 WIRE TIE WITH MOUNTING BASE AND SCREW	x6	x6	x6	x6	x6	x6	x6	x6
 WIRE TIE WITH 3M BASE	x1	x1	x1	x1	x1	x1	x1	x1
 DUCT FAN MOUNTING SCREW WITH PLASTIC ANCHOR	x4	x4	x4	x4	x4	x4	x4	x4
 NYLON HANGING STRAPS	x2	x2	x2	x2	x2	x2	x2	x2
 CONTROLLER CORD	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1

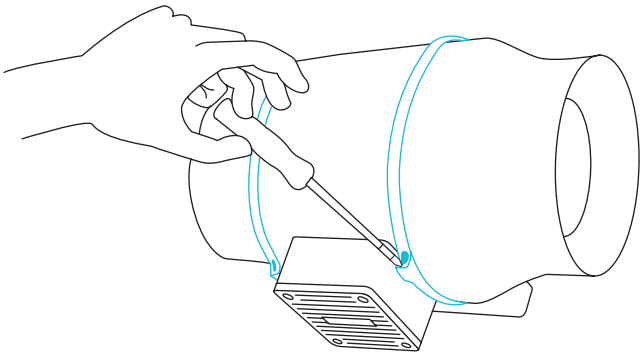
CLOUDLINE

MOUNTING

STEP 1

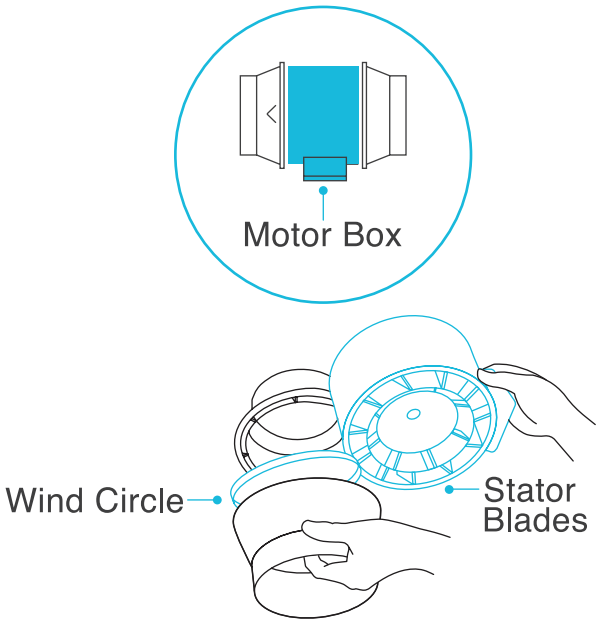
Unscrew the bolts on both sides from the plastic rings using a Phillips screwdriver.

Pliers are also required for removing the metal rings of the CLOUDLINE PRO T6.



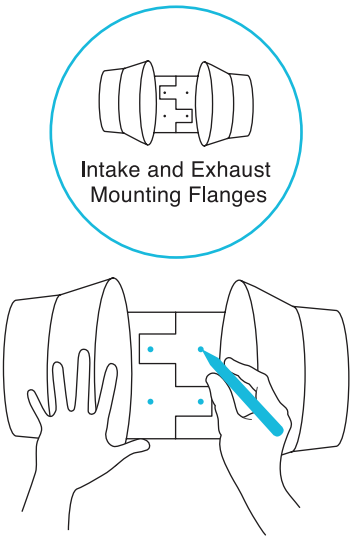
STEP 2

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

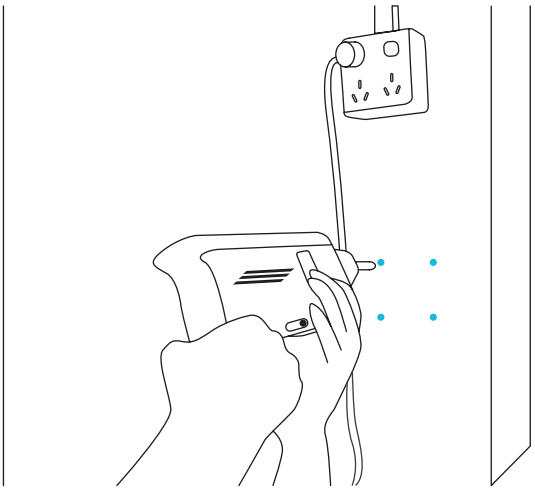


CLOUDLINE
MOUNTING

STEP 3
Use the flange bracket to set your desired fan position. Mark the four mounting holes.



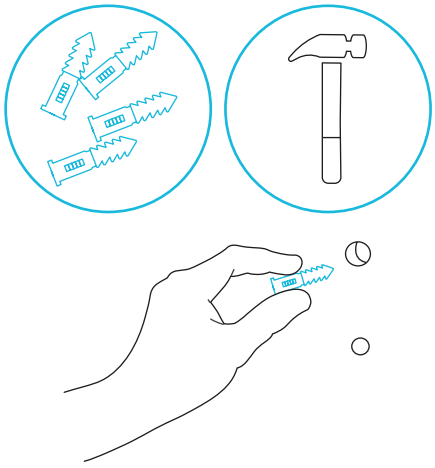
STEP 4
Drill four holes into the marked locations. Make sure your mounting area is structurally sound and free from obstruction.



CLOUDLINE
MOUNTING

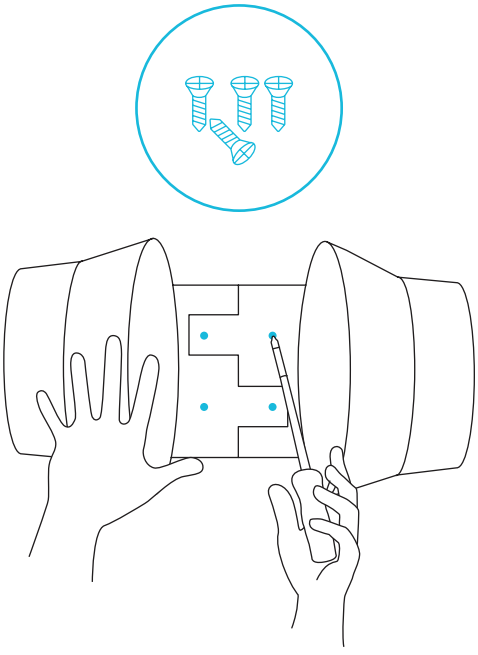
STEP 5
If you are mounting onto anything other than a wood support or stud, insert the included four wall anchors into the drilled mounting holes.

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.

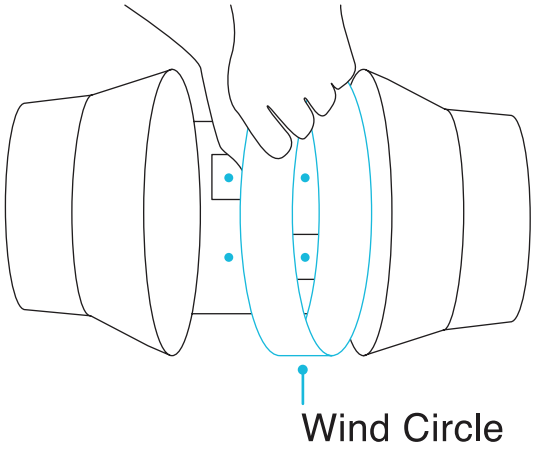
Make sure its airflow arrow is pointing in your desired direction.



CLOUDLINE
MOUNTING

STEP 7
Place the wind circle back into the intake flange.

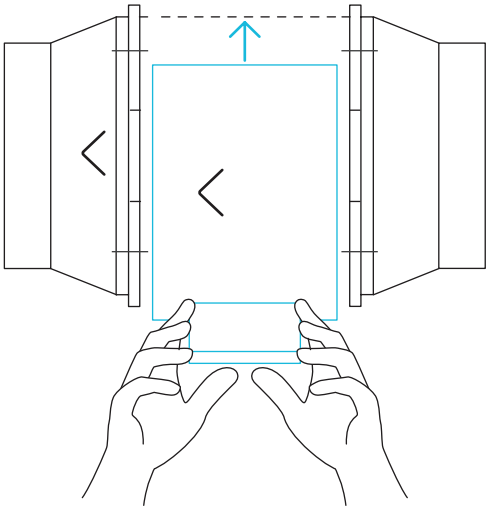
Reposition the metal clamps over the flanges for the CLOUDLINE PRO T6.



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.

For the CLOUDLINE A-series fans, screw the bolts back into the plastic rings to secure the motor box to the flange bracket.

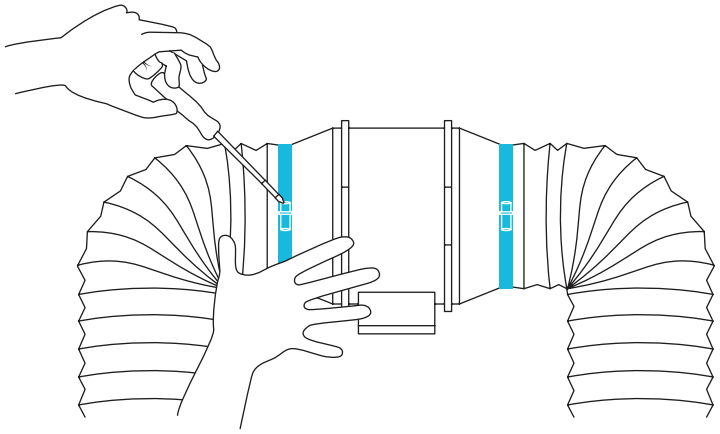
For the CLOUDLINE PRO T6, tighten the metal clamps using a Phillips screwdriver and pliers to secure the motor box.



CLOUDLINE
MOUNTING

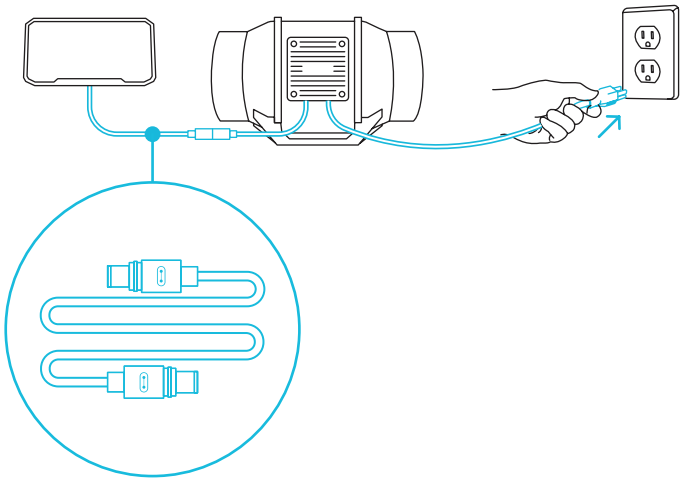
STEP 9
If installing ducting, use the included duct clamps to secure it to either end of the duct fan, making sure there is a tight seal.

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 the Cloudcom 6 section for controller installation instructions. You will need to use the included UIS M-M extension cord to connect to the controller.

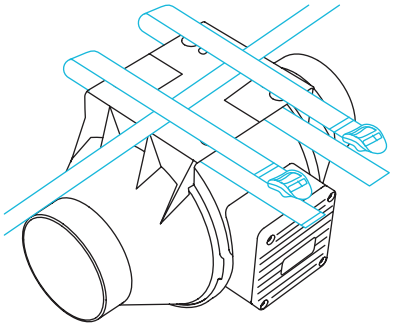


CLOUDLINE

OVERHEAD HANGING

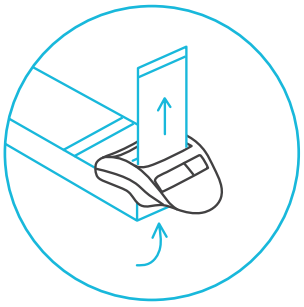
STEP 1

Loop the strap around the bracket and a pole.



STEP 2

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

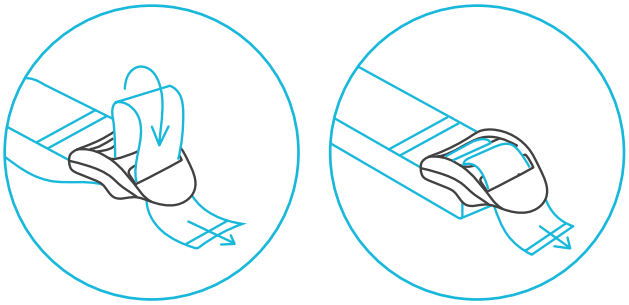


CLOUDLINE

OVERHEAD HANGING

STEP 3

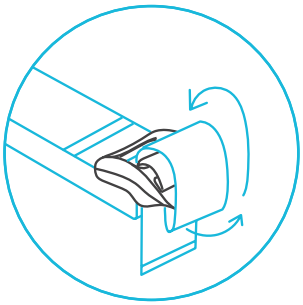
Route the strap into the outer ladder lock slot from the top. Adjust the length of the completed loop as needed.



Adjust to size

STEP 4

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



Loop through middle to lock in place

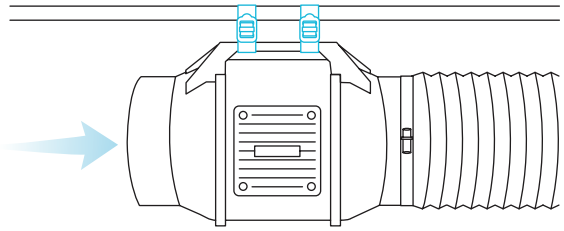
CLOUDLINE

OVERHEAD HANGING

STEP 5(a) - Hanging Downward

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

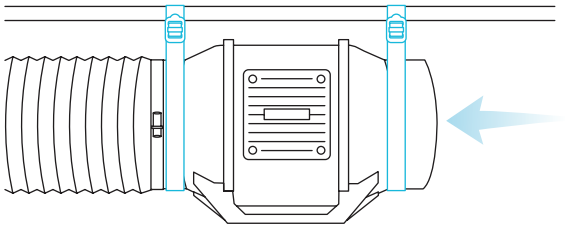
Make sure the fan's airflow arrow is pointing towards your desired direction.



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.

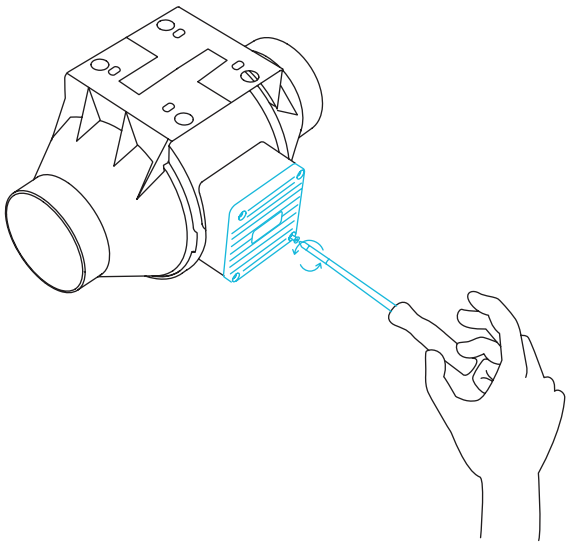


CLOUDLINE

MOTOR CAP

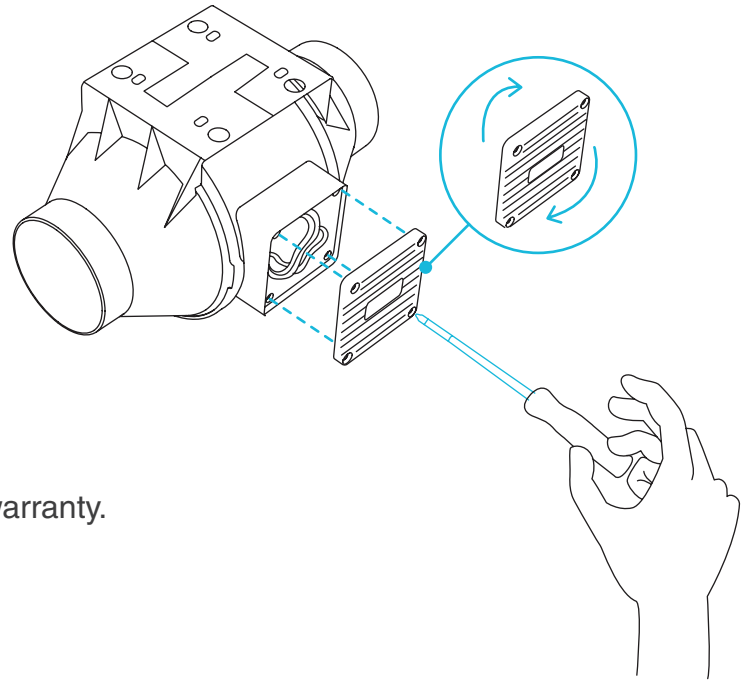
STEP 1

Unscrew the motor cap using a screwdriver.



STEP 2

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



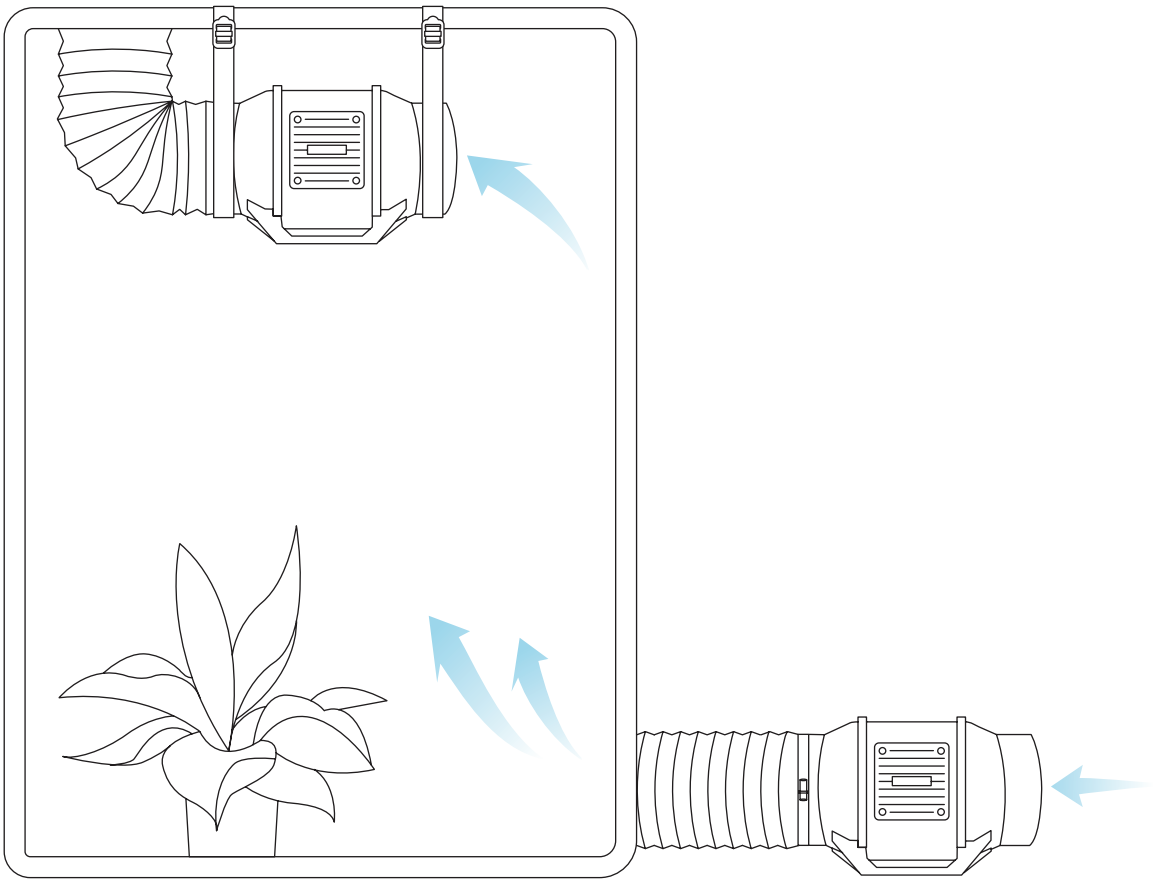
Rotating the motor cap will not void your warranty.

CLOUDLINE
CONFIGURATION SETUP

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 points away from your grow space.

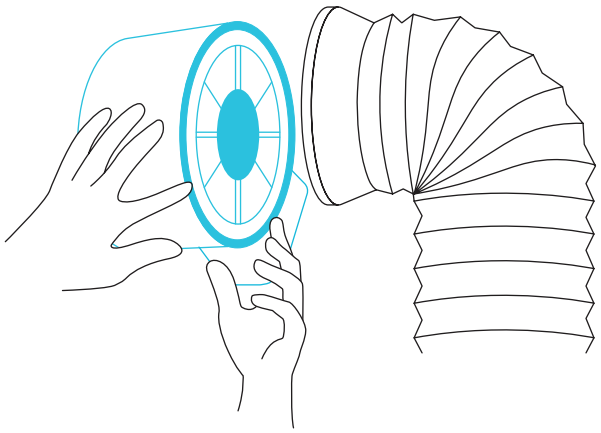


CLOUDLINE

CLEANING

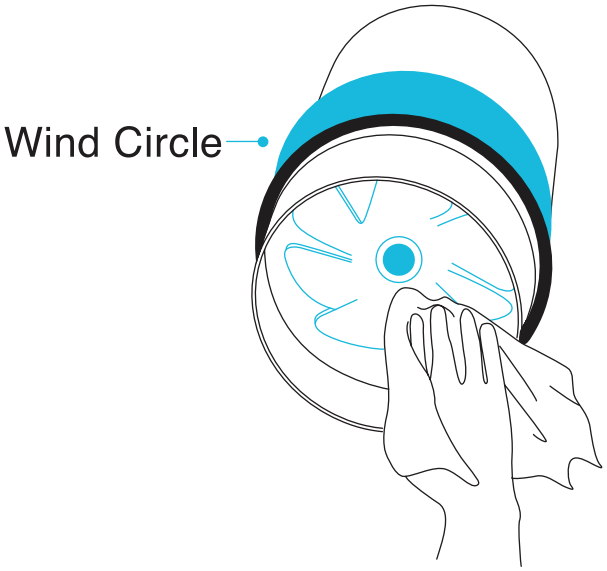
STEP 1

Remove the motor box from the mounting flange. Refer to the CLOUDLINE Mounting section 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.

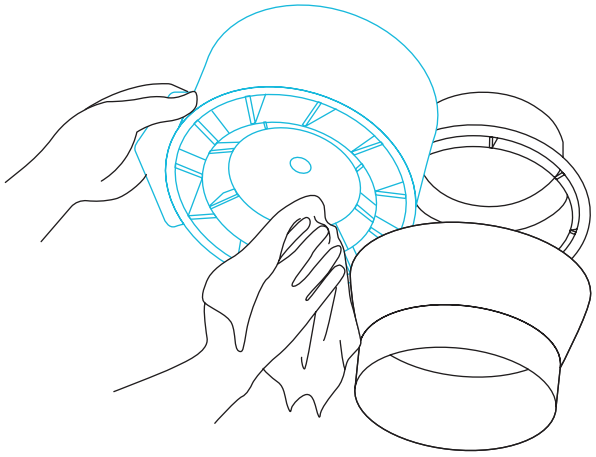


CLOUDLINE

CLEANING

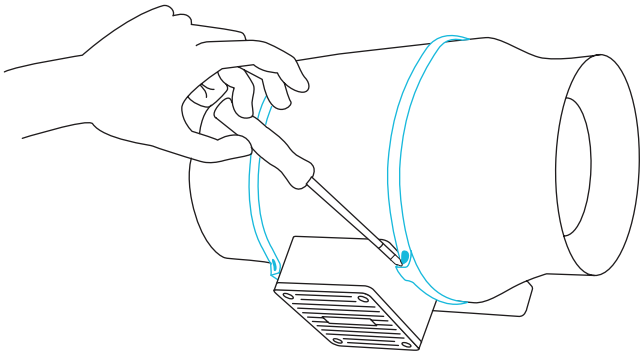
STEP 3

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



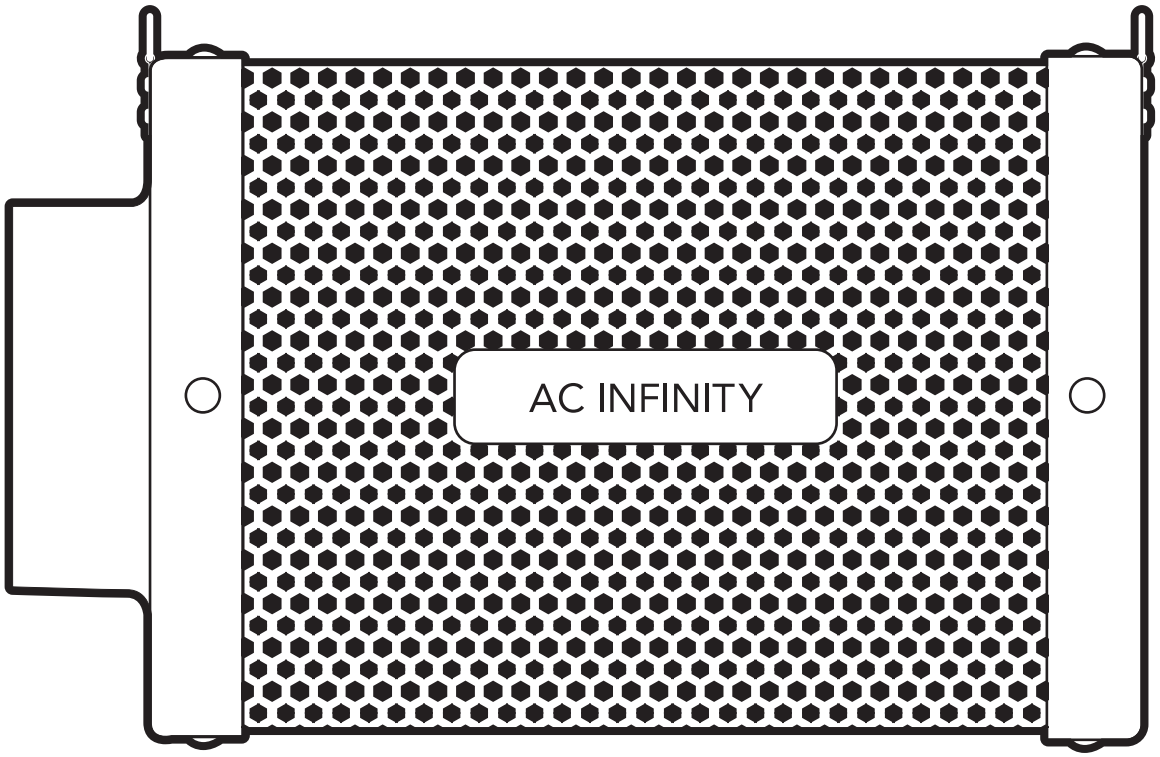
STEP 4

Secure the motor box onto the mounting flanges. Refer to the CLOUDLINE Mounting section to learn how to secure the motor box.



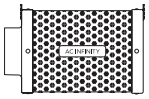
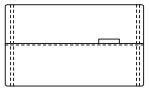
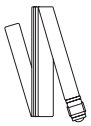
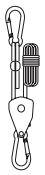
DUCT CARBON FILTER

PREMIUM AUSTRALIAN CHARCOAL



CARBON FILTER

PRODUCT CONTENTS

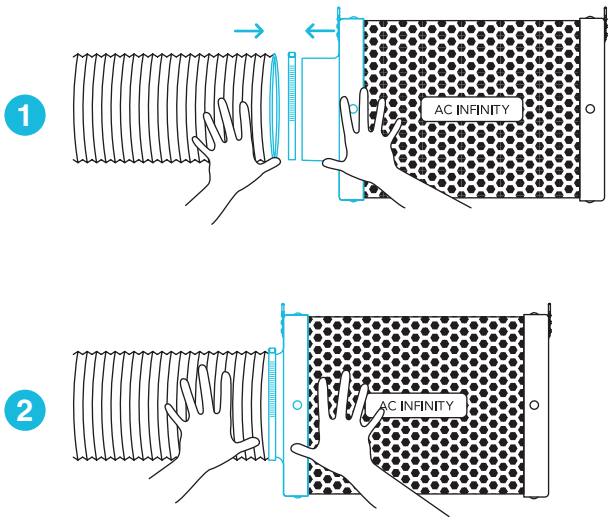
	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA, AI-Powered Grow System (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
 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	Inline Carbon Filter, 6 in. x1	Inline Carbon Filter, 6 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	6 in. x2	6 in. x2	6 in. x2
 NYLON HANGING STRAPS	x2	x2	x2	x2	x2	x2	x2	x2
 ROPE CLIPS	x2	x2	x2	x2	x2	x2	x2	x2

CARBON FILTER

INSTALLATION

STEP 1

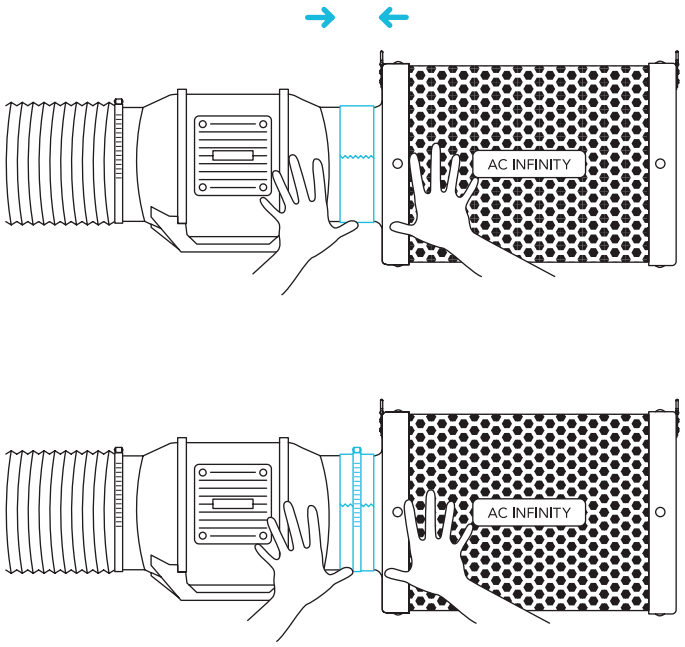
Connect your duct tube over your filter. Use duct clamps to secure the connection. You may also apply ducting tape before using the duct clamps for even further security.



STEP 2

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

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

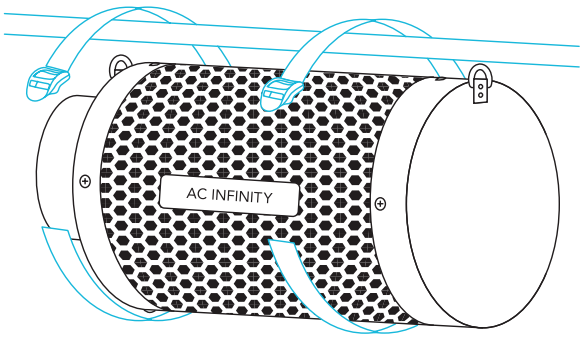


CARBON FILTER

OVERHEAD HANGING (STRAPS)

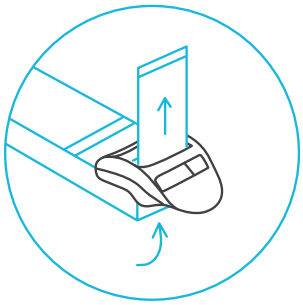
STEP 1

Loop the strap around a hanging pole.



STEP 2

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

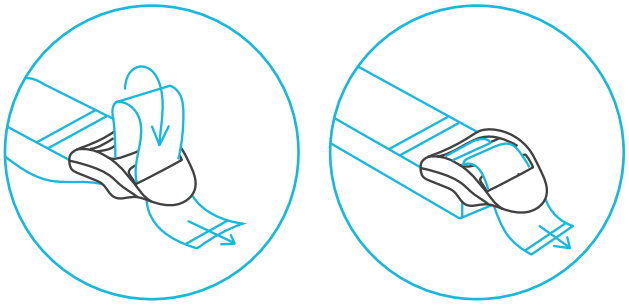


CARBON FILTER

OVERHEAD HANGING (STRAPS)

STEP 3

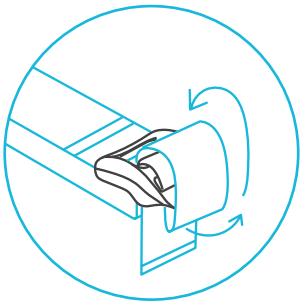
Route the strap into the outer ladder lock slot from the top. Adjust the length of the completed loop as needed.



Adjust to size

STEP 4

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



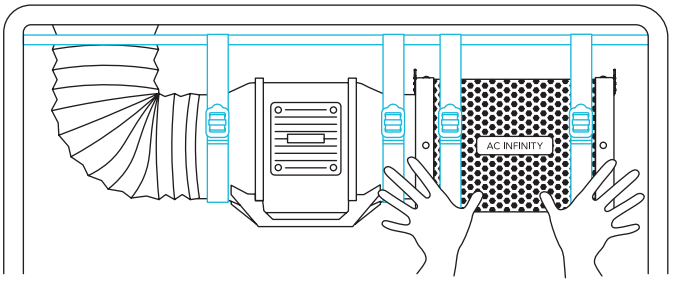
Loop through middle to lock in place

CARBON FILTER

OVERHEAD HANGING (STRAPS)

STEP 5

Connect your filter to your ductwork using your preferred method, as shown on the Carbon Filter Installation page.

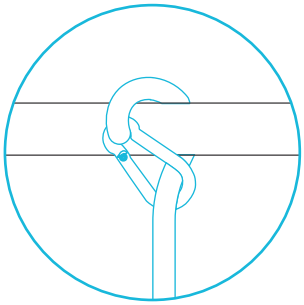


CARBON FILTER

OVERHEAD HANGING (ROPE CLIPS)

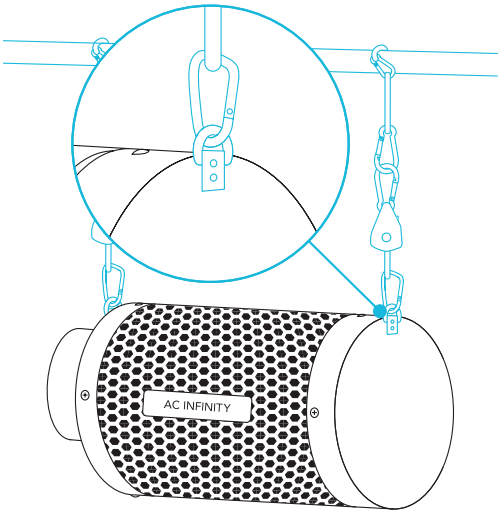
STEP 1

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



STEP 2

Hook the carabiners into the steel hooks located on the flanges.



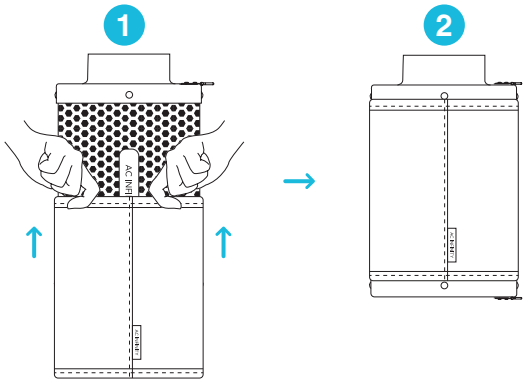
CARBON FILTER

CONFIGURATION SETUP

PREFILTER

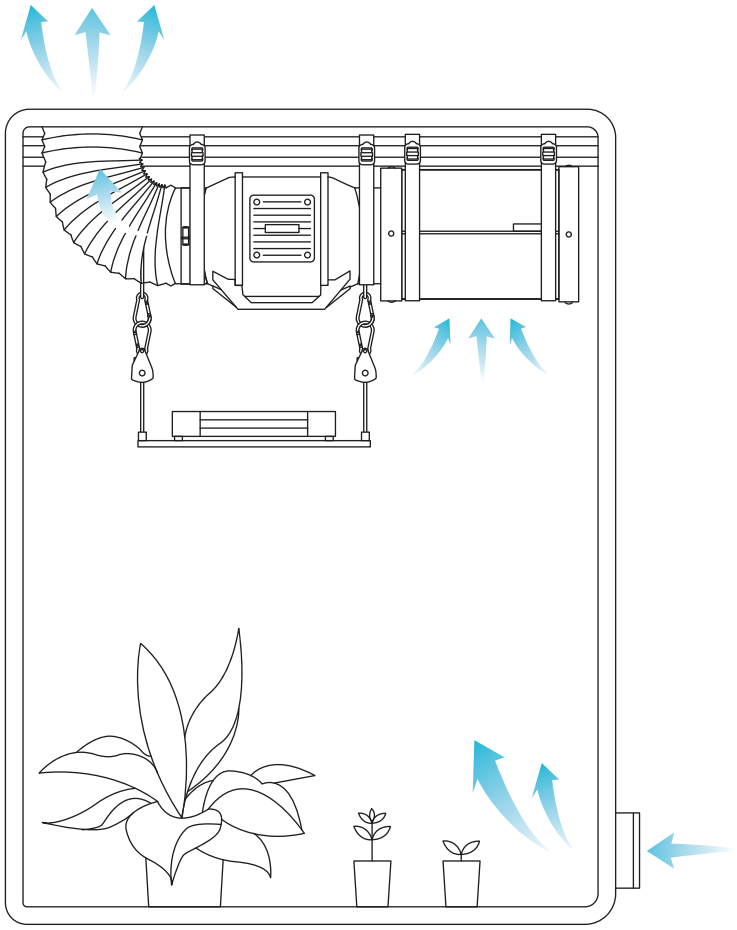
When placing your filter inside your grow space, slip the cloth over your filter to block dust and other particles from passing through.

Make sure the entire metal mesh is covered by the cloth.



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.

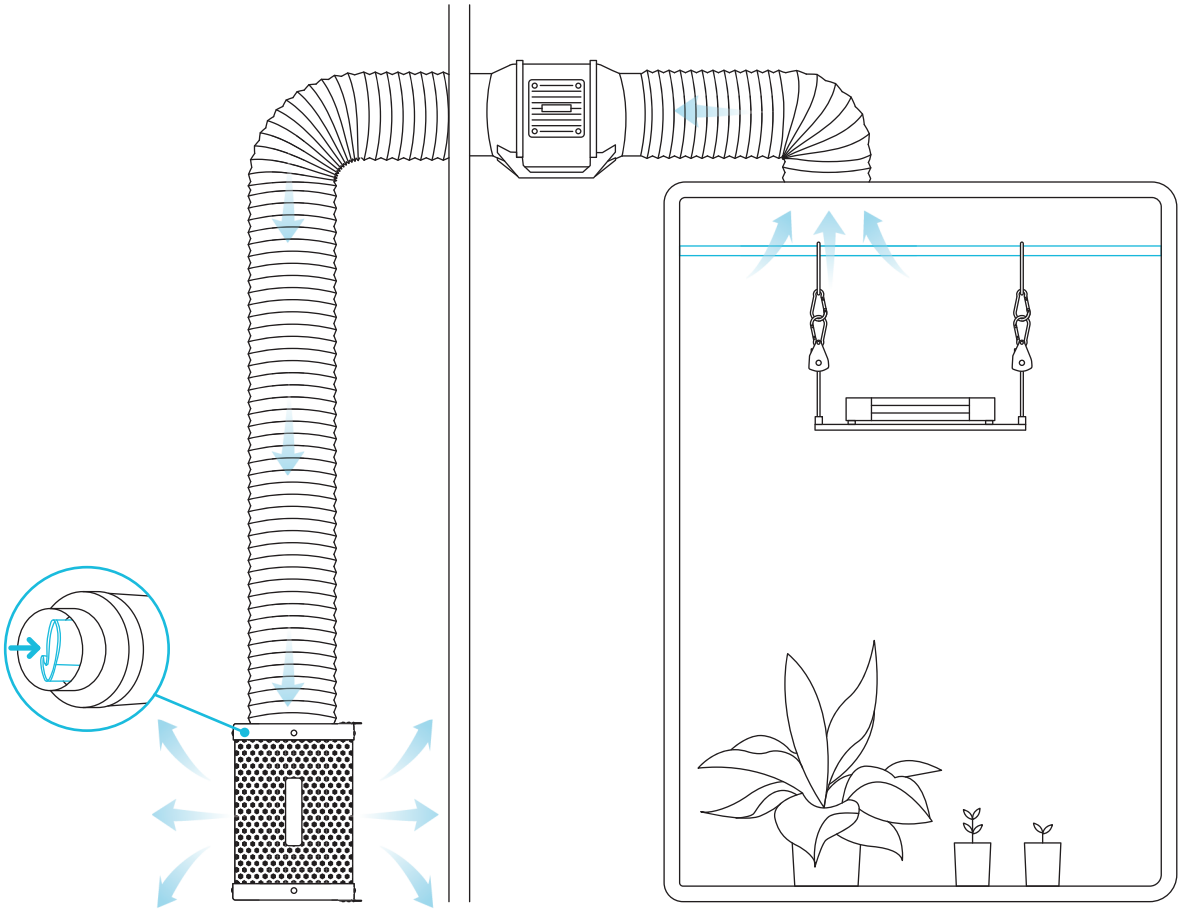


CARBON FILTER

CONFIGURATION SETUP

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.

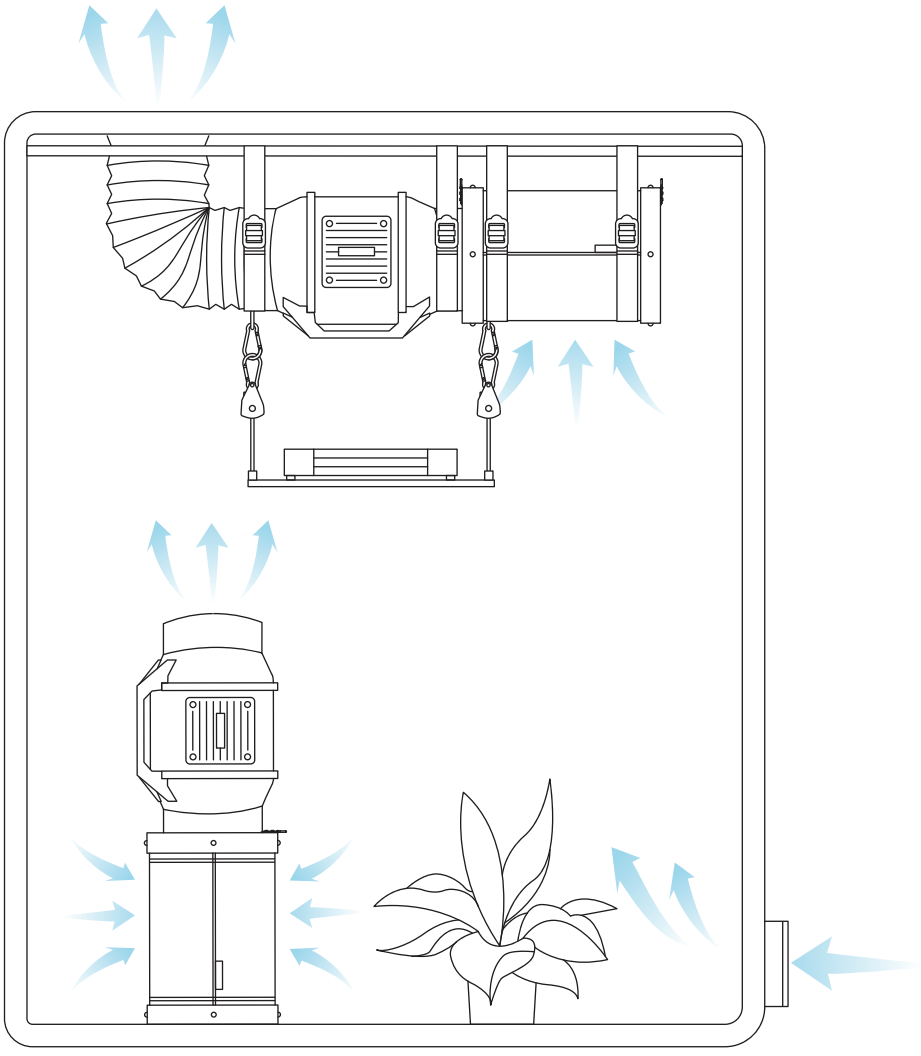


CARBON FILTER

CONFIGURATION SETUP

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.

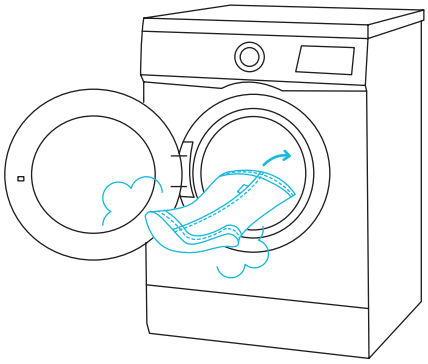


CARBON FILTER

MAINTENANCE

WASHING THE PREFILTER

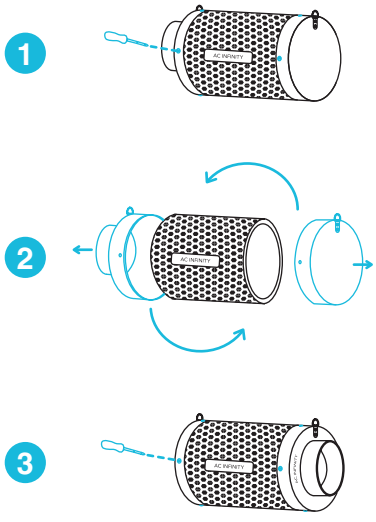
Wash the reusable cloth as needed to clear it of any dust and build-up. This will further extend the lifespan of the filter.



REVERSING THE FLANGES

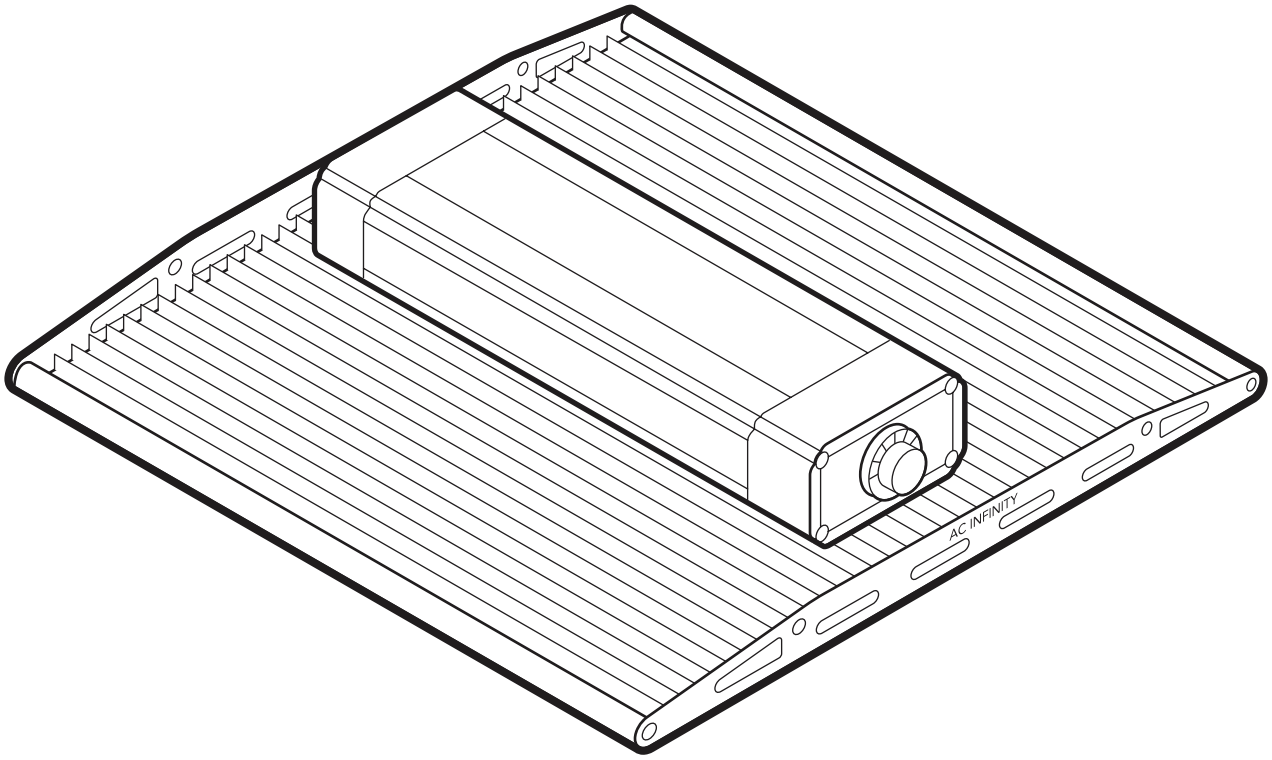
To extend the filter's lifespan and utilize its entire carbon bed, rotate the flanges from either end.

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.



IONBOARD / IONFRAME EVO

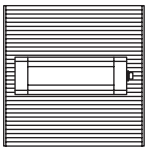
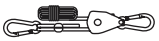
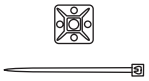
GROW LIGHT SYSTEM



IONBOARD 1 shown

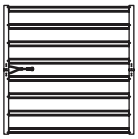
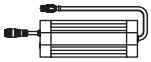
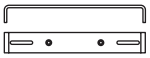
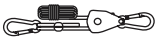
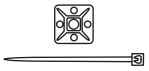
GROW LIGHT SYSTEM

PRODUCT CONTENTS: IONBOARD

	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA, AI-Powered Grow System (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44
 LED GROW LIGHT	IONBOARD 1, 2x2 Coverage x1	IONBOARD 1, 2x2 Coverage x1	IONBOARD 3, 2x4 Coverage x1	IONBOARD 3, 2x4 Coverage x1	IONBOARD 4, 3x3 Coverage x1	IONBOARD 6, 4x4 Coverage x1
 ROPE CLIP HANGERS	x2	x2	x2	x2	x2	x2
 CONTROLLER CORD, 10 FT.	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1
 STEEL HOOK	x2	x2	x2	x2	x2	x2
 WIRE TIE WITH 3M BASE	x1	x1	x1	x1	x1	x1

GROW LIGHT SYSTEM

PRODUCT CONTENTS: IONFRAME EVO

	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
 LED GROW LIGHT*	IONFRAME EVO6, 4x4 Coverage x1	IONFRAME EVO8, 5x5 Coverage x1
 LED DRIVER	x1	x1
 DRIVER BRACKETS	x2	x2
 DRIVER EXTENSION CORD	x1	x1
 STAINLESS STEEL WIRE HANGERS	x2	x2
 ROPE CLIP HANGERS	x2	x2
 CONTROLLER CORD	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1
 WIRE TIE WITH 3M BASE	x1	x1
 NYLON SCREWS	x6	x6
 WOOD SCREWS	x4	x4
 DRIVER SCREWS (FLAT HEAD)	x4	x4
 DRIVER SCREWS (ROUND HEAD)	x4	x4

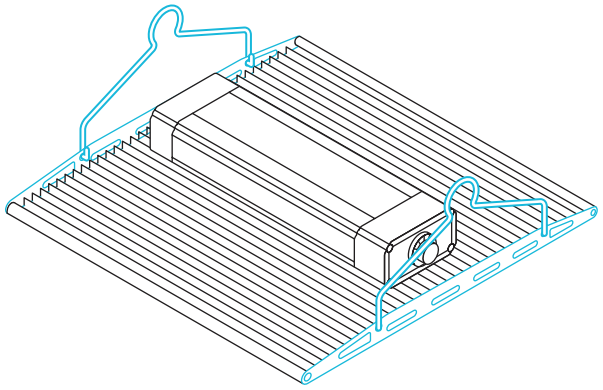
*IONFRAME EVO8 shown

GROW LIGHT SYSTEM

INSTALLATION: IONBOARD

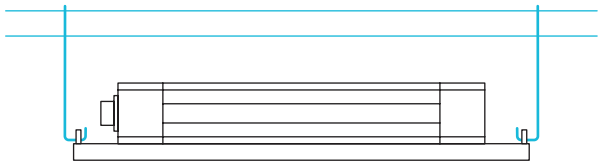
STEP 1 — STEEL HOOKS

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



STEP 2 — STEEL HOOKS

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



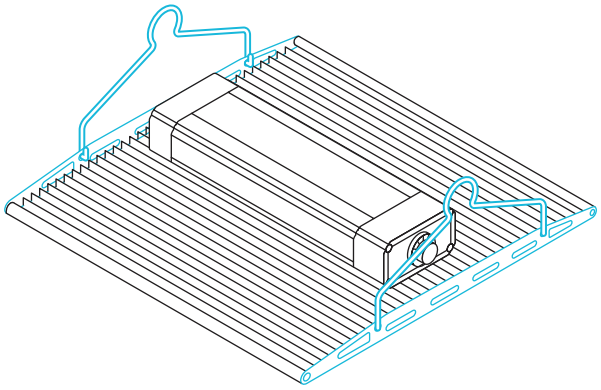
Two people are recommended for the installation of IONBOARD 4 / 6 models.

GROW LIGHT SYSTEM

INSTALLATION: IONBOARD

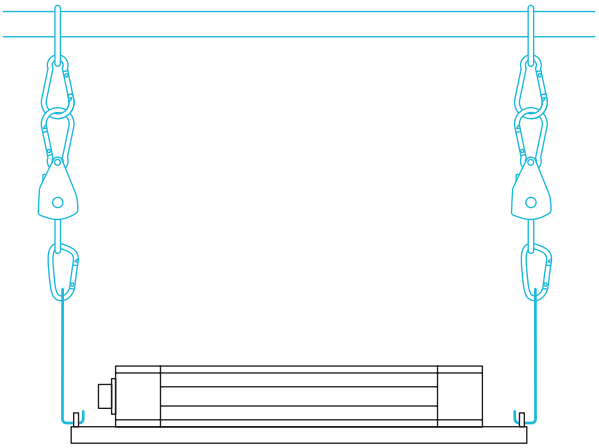
STEP 1 — ROPE CLIP HANGERS

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



STEP 2 — ROPE CLIP HANGERS

Loop the rope clip hangers around the tent's roof support beams, attach them to the steel hooks, and pull the ropes to lift your grow light to the desired height.



Keep your light high and clear of plants, sprays, and splashes. Plant or liquid contact can permanently stain your light board.

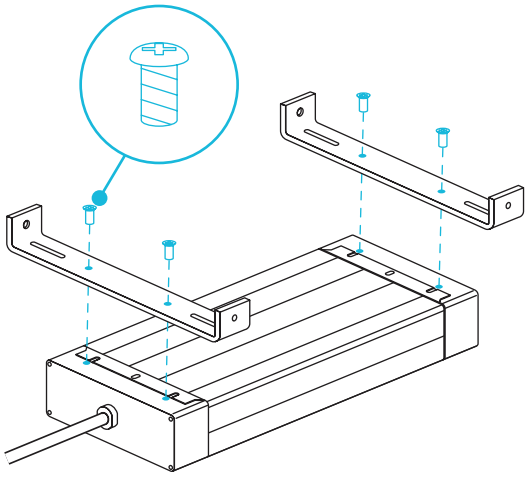
GROW LIGHT SYSTEM

DRIVER MOUNTING (FRAME): IONFRAME EVO

STEP 1

Align the brackets' mounting holes with the driver's mounting points located on the driver's underside, making sure the brackets' legs are pointing up.

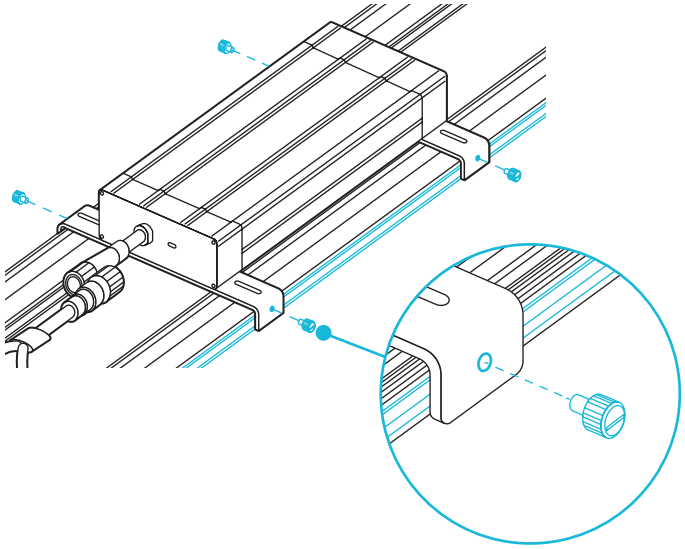
Secure the brackets by screwing in the round head driver screws using a Phillips screwdriver.



STEP 2

Flip the driver over and place it over the two center columns of your grow light.

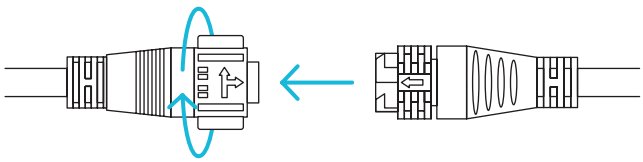
Secure the brackets to the columns by screwing in the nylon screws using a flathead screwdriver.



STEP 3

Connect the driver socket to the grow light connector. This will lock the connection in place.

Twist the lock and pull the connector out to disconnect it from the driver's socket.



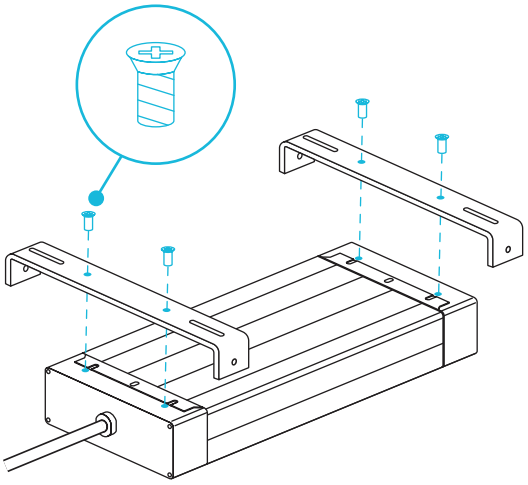
GROW LIGHT SYSTEM

DRIVER MOUNTING (WALL): IONFRAME EVO

STEP 1

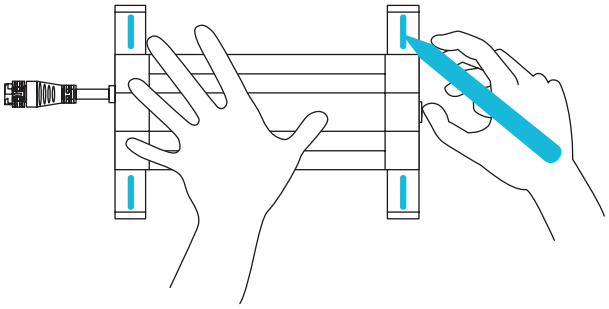
Align the brackets' mounting holes with the driver's mounting points located on the driver's underside, making sure the brackets' legs are pointing down.

Secure the brackets by screwing in the flat head driver screws using a Phillips screwdriver.



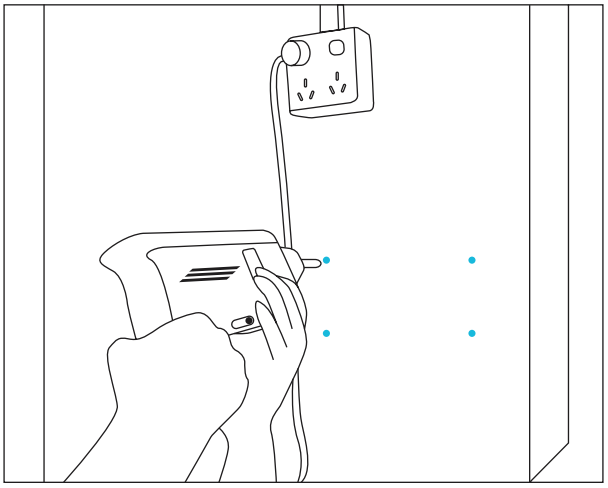
STEP 2

Mark your desired mounting position using the brackets' mounting slots.



STEP 3

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



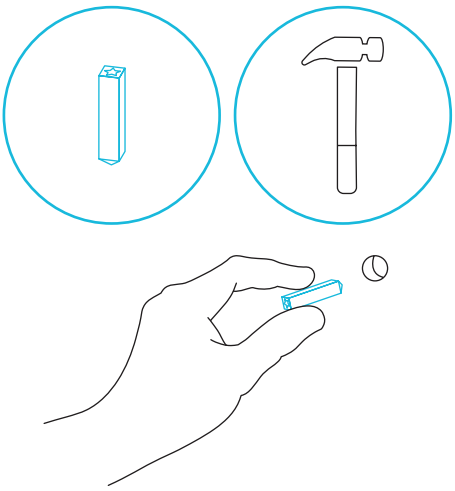
GROW LIGHT SYSTEM

DRIVER MOUNTING (WALL): IONFRAME EVO

STEP 4

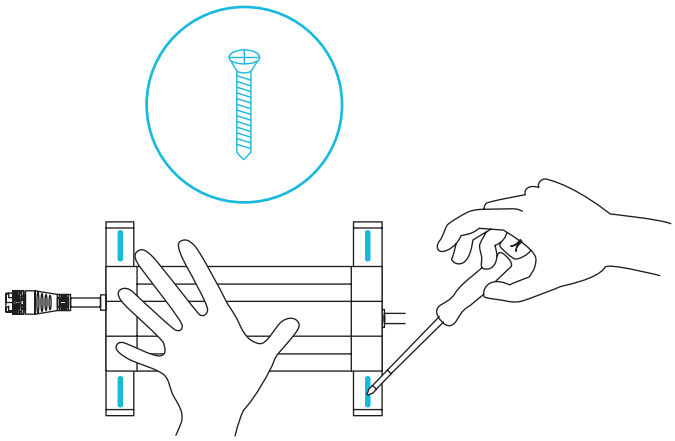
If you are mounting onto anything other than a wood support or stud, insert the included four wall anchors into the drilled mounting holes.

You may need to use a hammer to secure them through the holes.



STEP 5

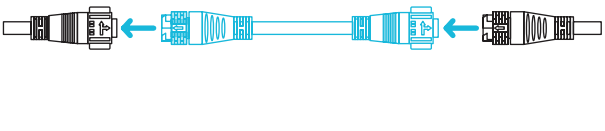
Align the bracket's holes with the wall anchors. Screw in four wood screws with a screwdriver or drill to secure the brackets.

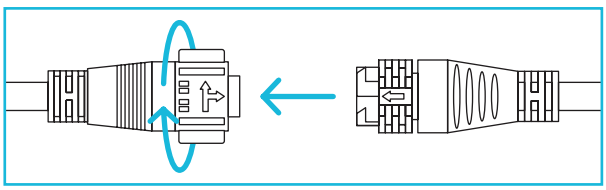


STEP 6

Connect the driver socket to the grow light connector using the driver extension cord.

Twist the lock and pull the connector to disconnect it from the driver's socket.



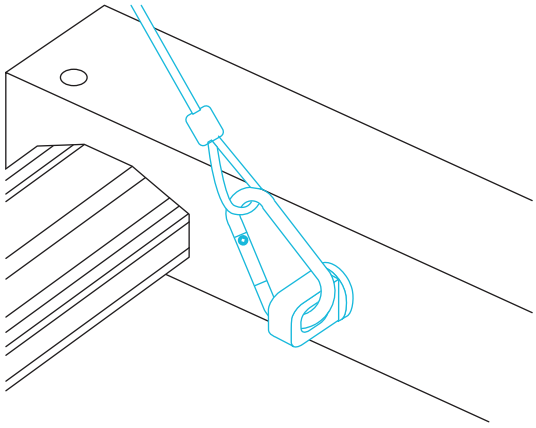


GROW LIGHT SYSTEM

HANGING: IONFRAME EVO

STEP 1

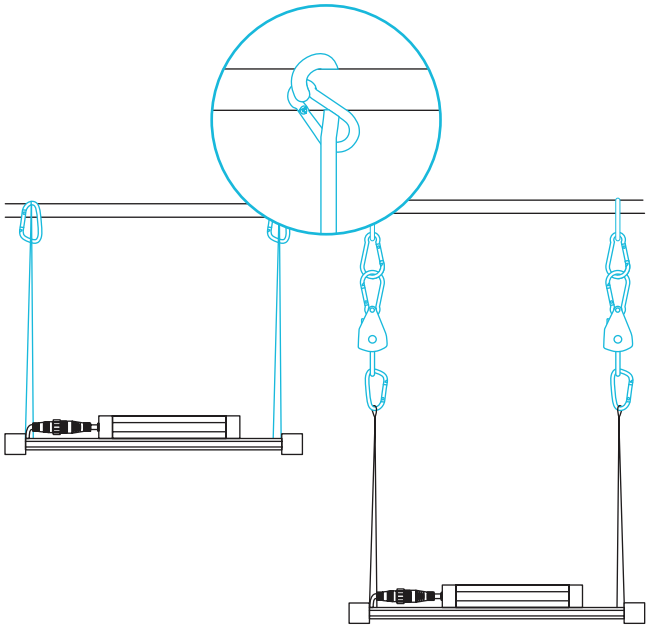
Clip the lanyard hooks onto the four anchors located at the corners of your grow light.



STEP 2

Clip the two carabiners onto your grow tent's roof support beams.

You may also use rope clip hangers to hang your grow light lower.

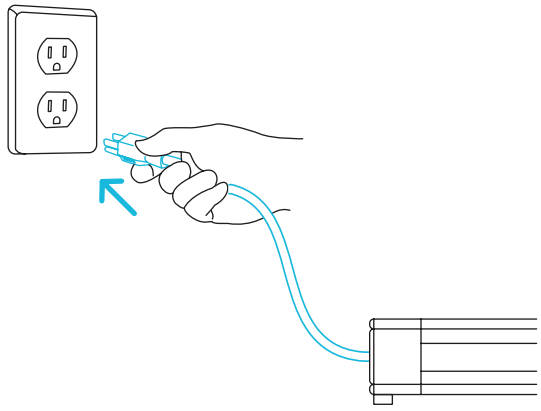


GROW LIGHT SYSTEM

POWERING AND SETUP: IONBOARD

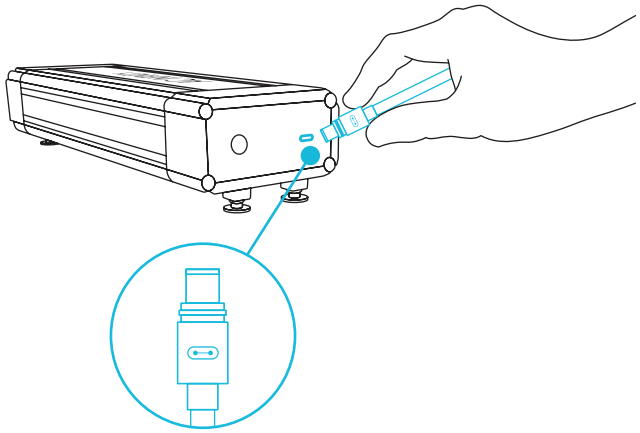
STEP 1

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



STEP 2

You may use the included UIS M-M extension cord to connect an external controller for smart programming.

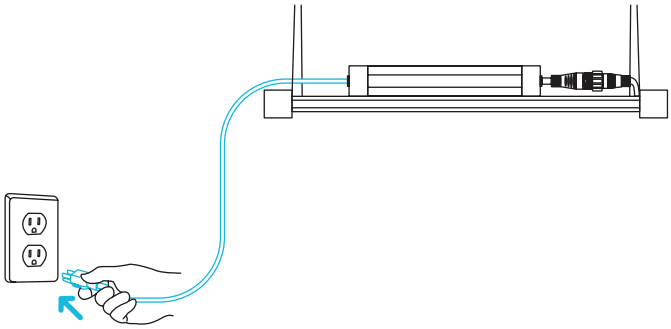


GROW LIGHT SYSTEM

POWERING AND SETUP: IONFRAME EVO

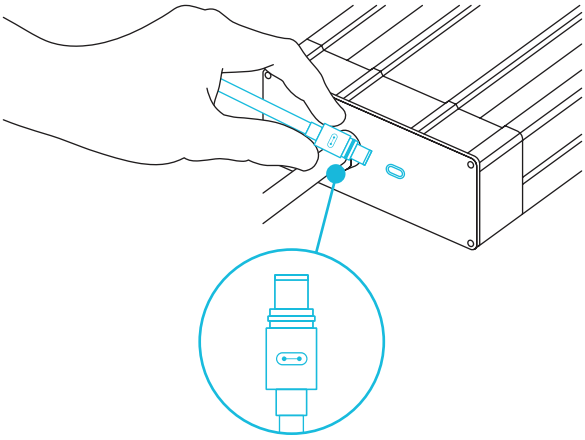
STEP 1

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



STEP 2

You may use the included UIS M-M extension cord to connect an external controller for smart programming.

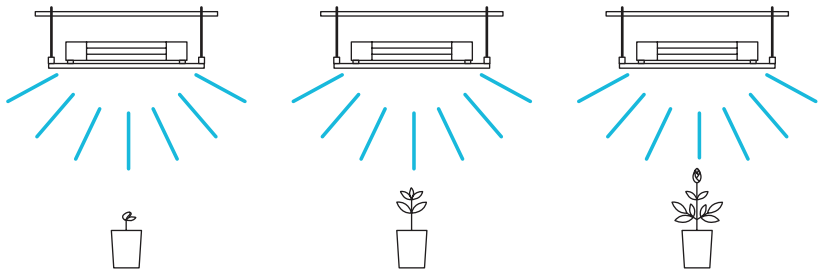


GROW LIGHT SYSTEM

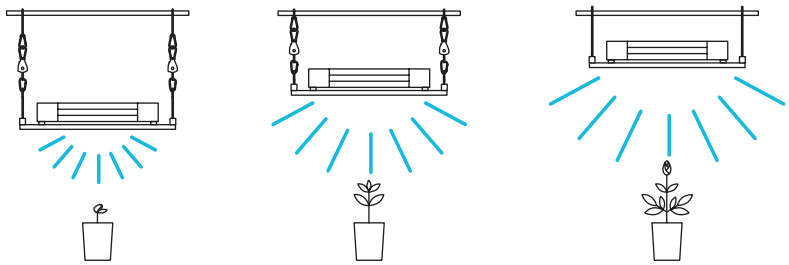
STARTER GUIDE

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. In dynamic placement, “height” refers to distance from the canopy (tip of the plant).

STATIC PLACEMENT	Seedling Stage	Vegetative Stage	Flowering Stage
Height	Peak	Peak	Peak
Intensity	100%	100%	100%



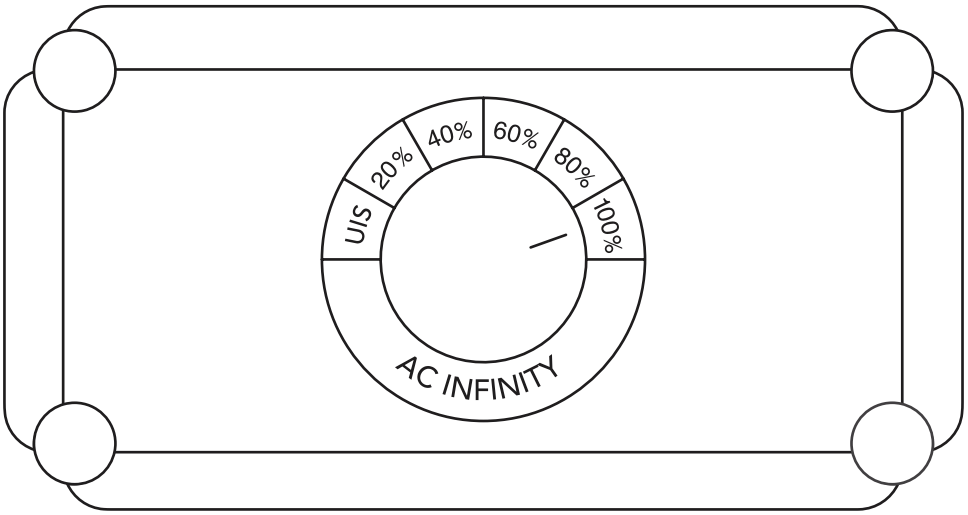
DYNAMIC PLACEMENT	Seedling Stage	Vegetative Stage	Flowering Stage
Height	1.5 ft.	1.5 ft.	1.5 ft.
Intensity	40%	80%	100%



IONBOARD shown

GROW LIGHT SYSTEM

PROGRAMMING: IONBOARD



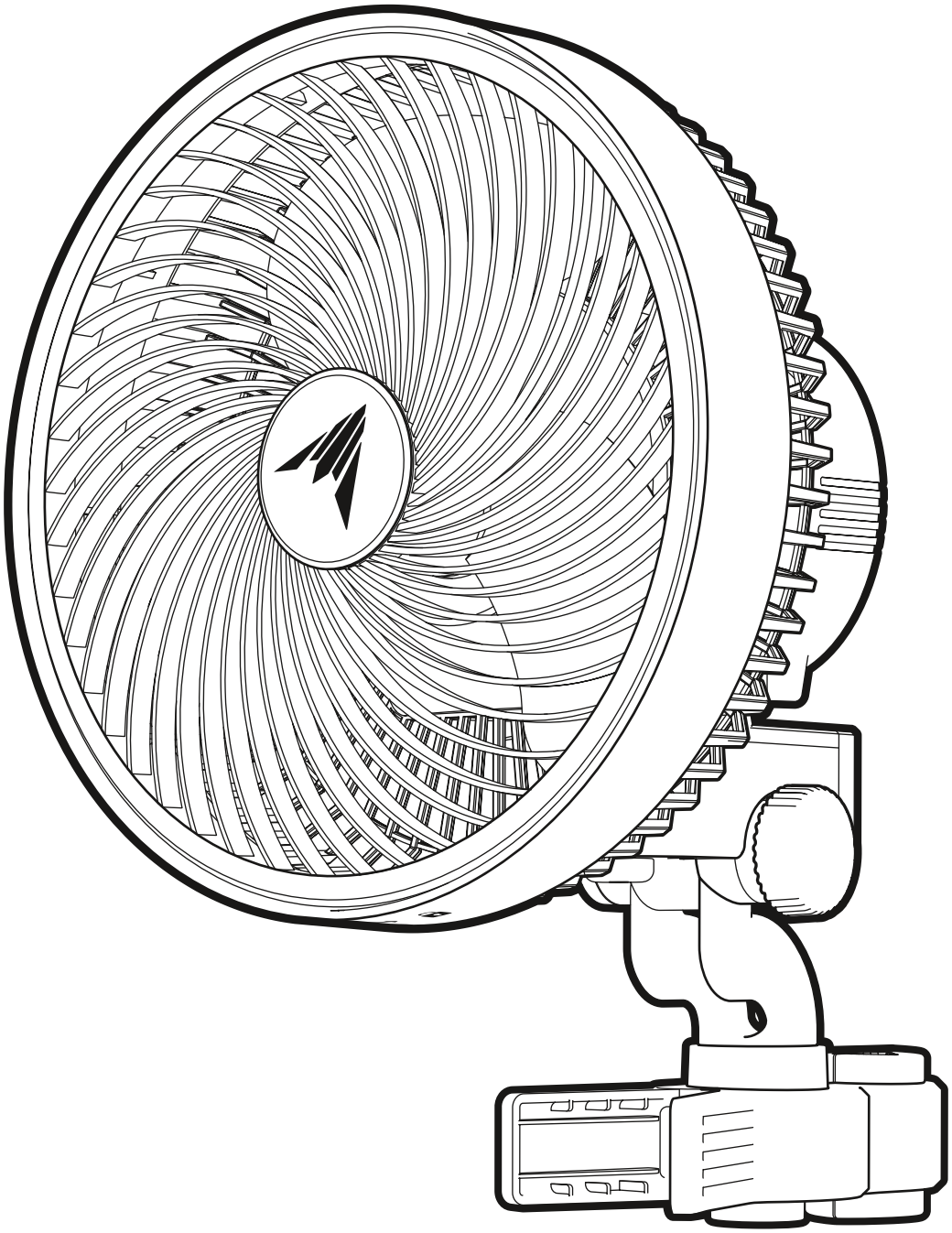
OFF/ON MODE

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

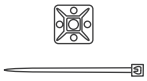
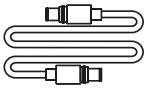
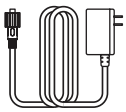
INTENSITY LEVEL

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

CLOUDRAY
OSCILLATING FAN SYSTEM

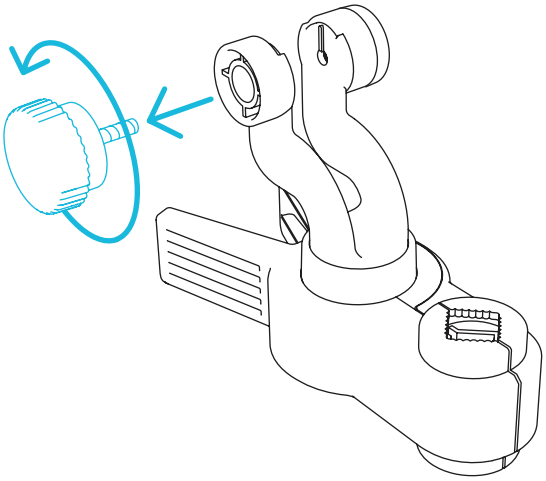


CLOUDRAY
PRODUCT CONTENTS

	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA, AI-Powered Grow System (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
 CLIP-ON FAN	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S4, Oscillating Clip Fan x1	CLOUDRAY S6, Oscillating Clip Fan x1	CLOUDRAY S9, Oscillating Clip Fan x1	CLOUDRAY S9, Oscillating Clip Fan x1	CLOUDRAY S9, Oscillating Clip Fan x1
 WIRE TIE WITH 3M BASE	x1	x1	x1	x1	x1	x1	x1	x1
 CONTROLLER CORD	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1	UIS Male-Male Controller Cord x1
 POWER ADAPTER	x1	x1	x1	x1	N/A	N/A	N/A	N/A

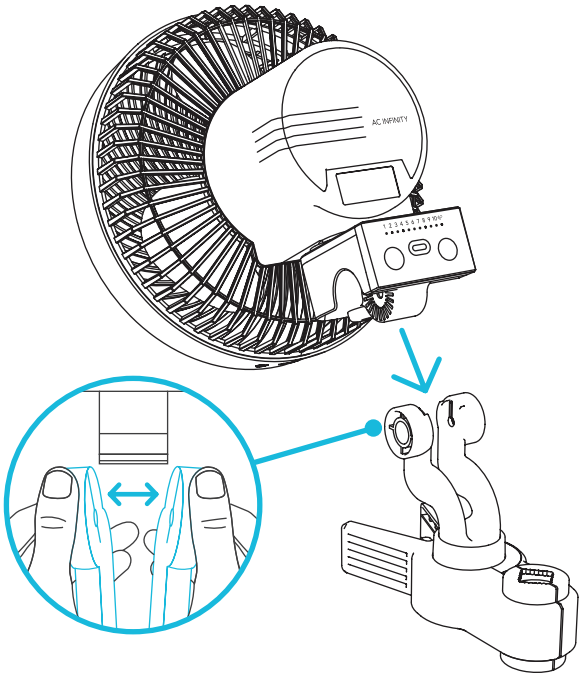
CLOUDRAY
INSTALLATION

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

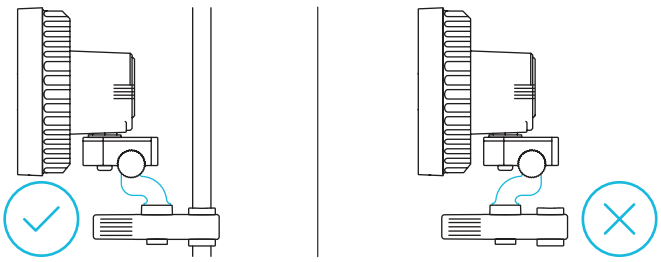


STEP 2
Slide the grip clip into the swivel as shown.

You may need to pull its clamps apart for it to fit over the swivel. This tightness ensures your fan will not tilt downwards on its own.

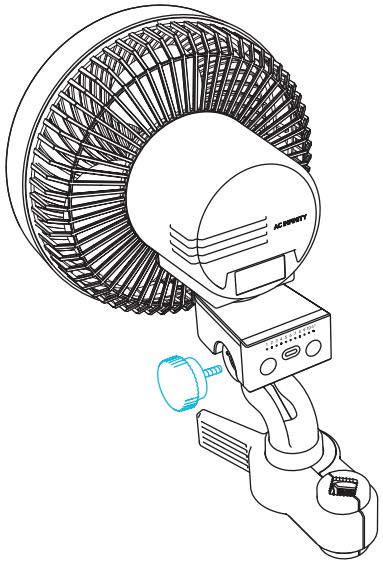


INSTALLATION NOTE
DO NOT alter the grip clip's neck positioning before connecting it to the swivel. The neck is packaged in the proper position so that your fan will not hit the tent pole.

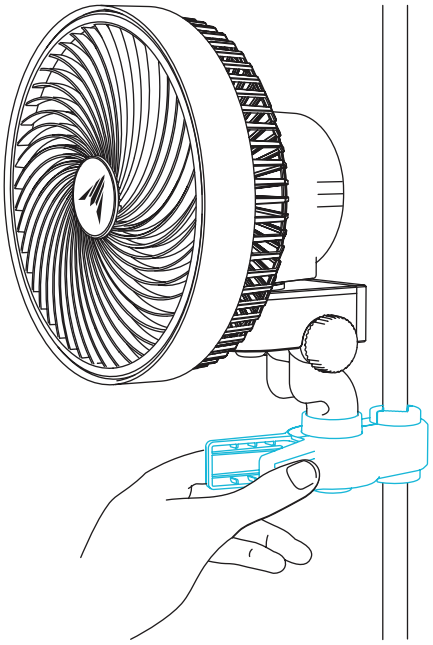


CLOUDRAY
INSTALLATION

STEP 3
Replace the knob of the mounting point as desired.



STEP 4
Clamp the fan onto a pole or post.

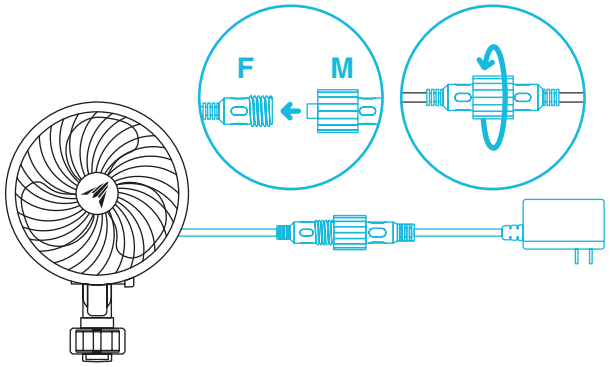


CLOUDRAY

POWERING AND SETUP

4 IN. MODELS

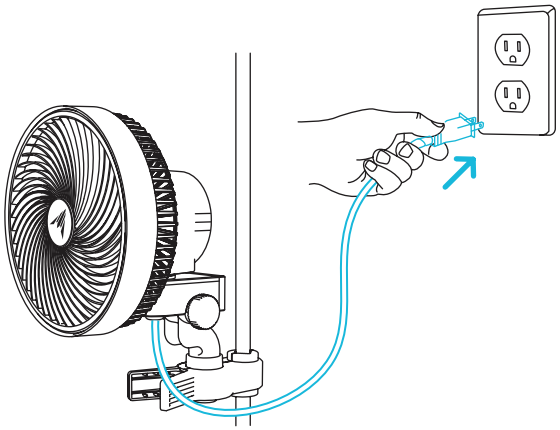
Connect the power adapter's male connector to the fan's female port. Secure the connection by using the twist-on piece.



STEP 1

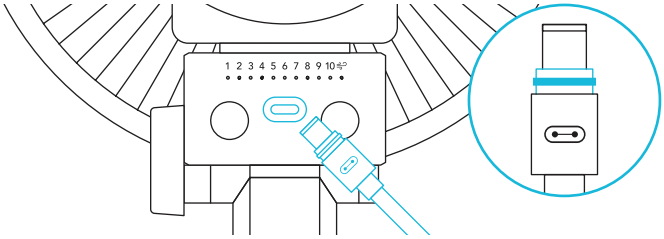
Plug the fan's power cord into an AC power outlet to power the fan.

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



STEP 2

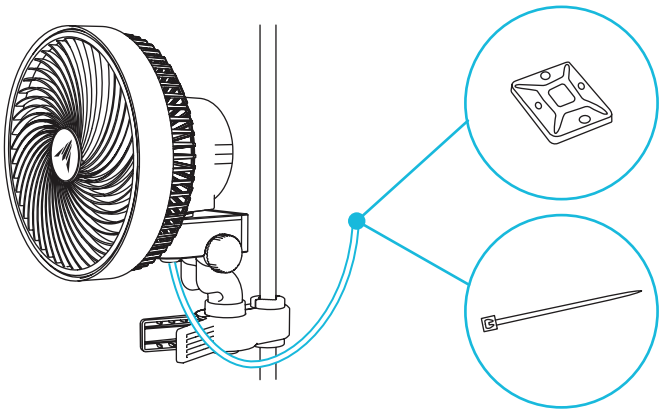
You may use the included UIS M-M extension cord to connect an external controller for smart programming.



STEP 3

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

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

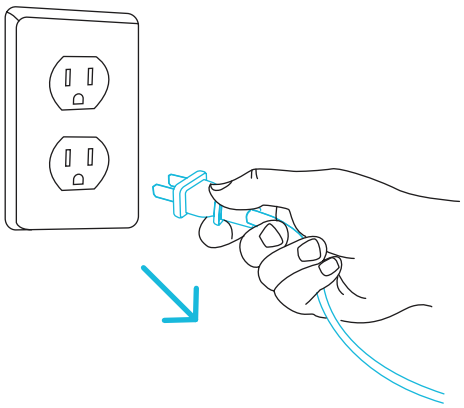


CLOUDRAY

CLEANING

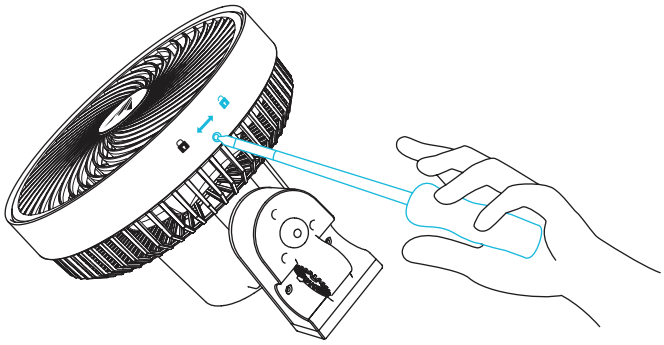
STEP 1

Unplug your clip fan.



STEP 2

Unscrew the bottom of the front grille using a screwdriver.



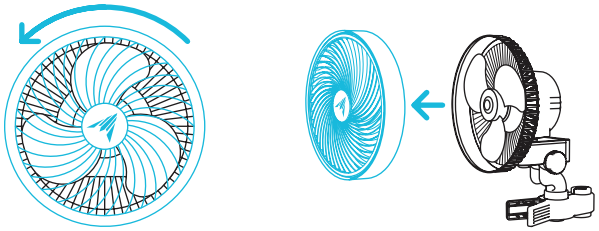
Removing the front grille to clean the fan blades will not void your warranty.

CLOUDRAY

CLEANING

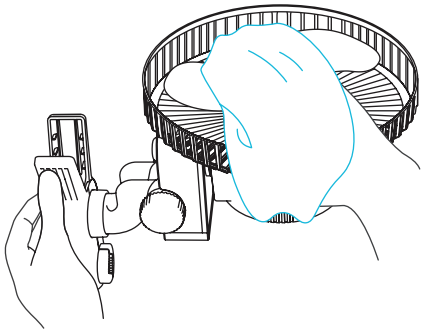
STEP 3

Twist the grille counter-clockwise and pull to remove it.



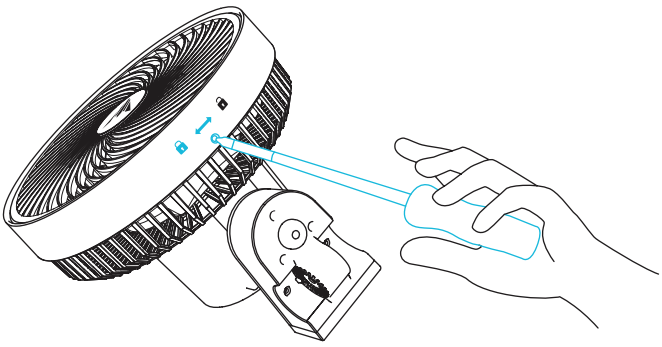
STEP 4

Wipe off any dust and debris from the grille and fan blades using a damp cloth. Set aside to dry as needed.



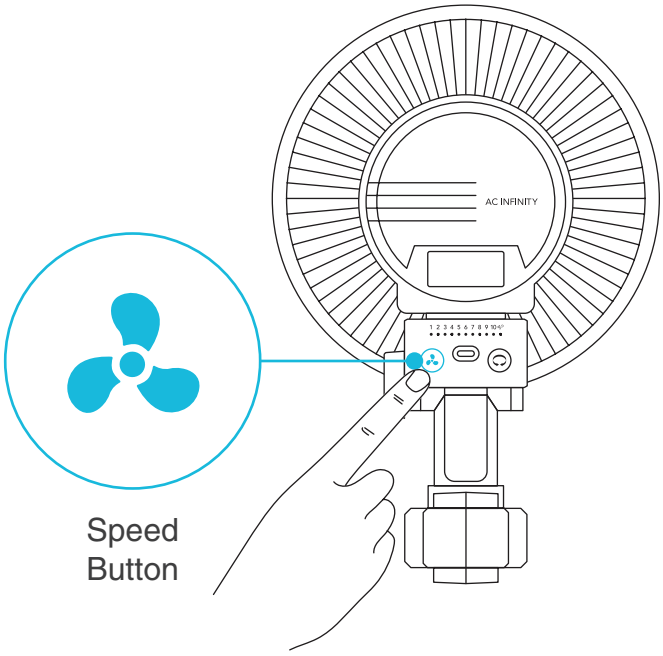
STEP 5

Realign the grille over your clip fan, twist clockwise, then screw the grille back on to lock it in place.



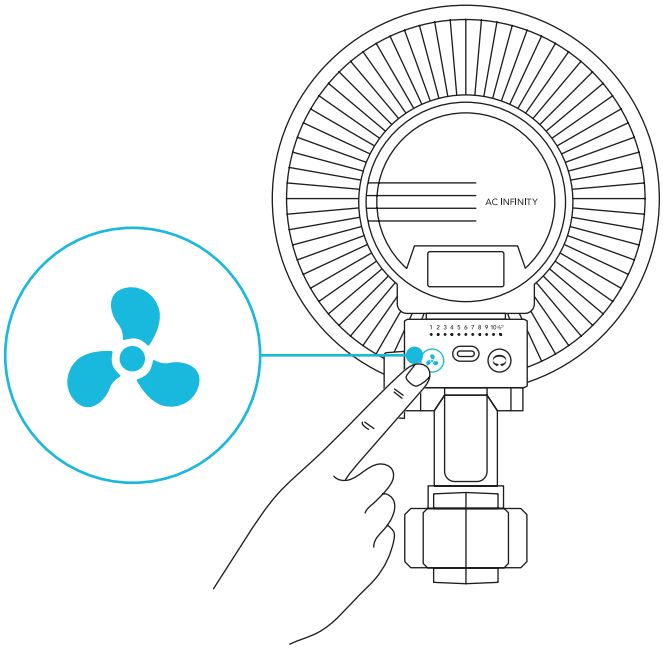
CLOUDRAY
PROGRAMMING

POWERING ON/OFF
Press the speed button to turn your clip fan ON. Cycling past Dynamic Wind Mode will turn your clip fan OFF.



FAN SPEED ADJUSTING
The speed button cycles through OFF, fan speeds 1-10, indicated by the row of white LED lights. Press the speed button to increase the fan speed level by one.

Cycling past speed 10 will activate Dynamic Wind Mode. Cycling past that will return to fan speed level 0.

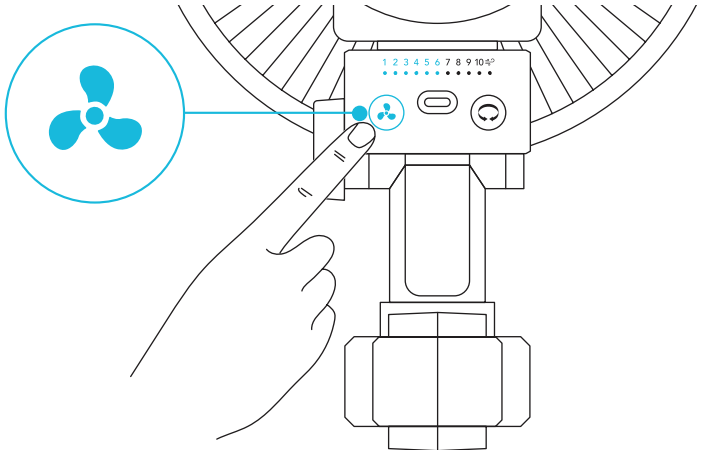


CLOUDRAY
PROGRAMMING

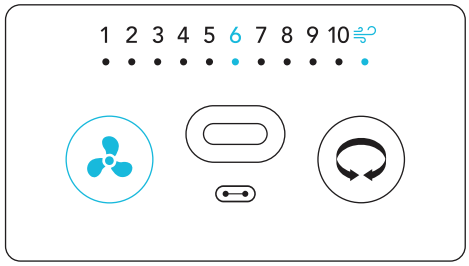
DYNAMIC WIND MODE
This mode will alternate speeds between levels 1-10 to simulate a natural breeze.

STEP 1
Set the fan speed to your desired maximum level using the speed button.

We do not recommend setting your max speed level to level 1; this will eliminate the speed range.

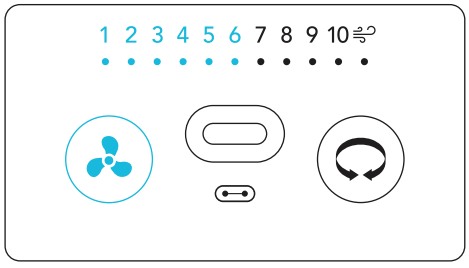


STEP 2
Hold the speed button for 3 or more seconds to enter Dynamic Wind Mode. This will also lock in your current fan speed as the maximum level.



STEP 3
Deactivate max Dynamic Wind Mode by pressing the speed button.

Your clip fan will continue running at your maximum level until you adjust it.

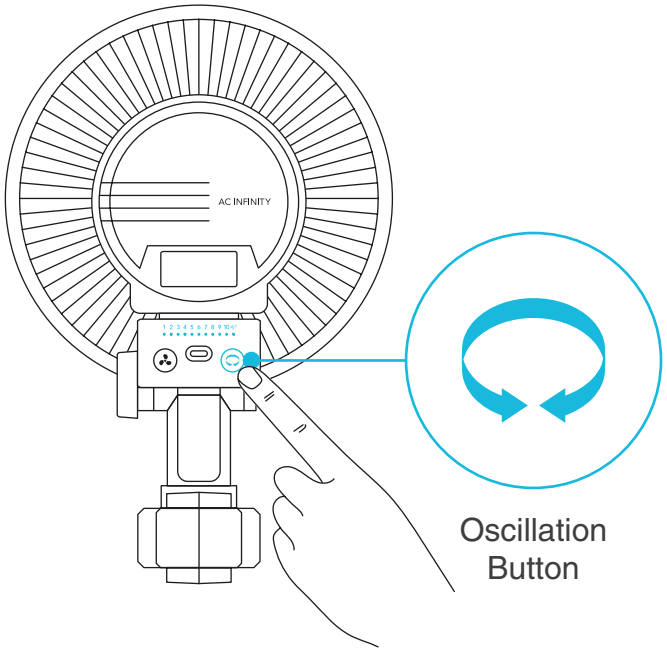


CLOUDRAY
PROGRAMMING

OSCILLATION
In addition to the standard features, your fan can oscillate to provide airflow at a wide angle. The oscillation function is manually activated using the oscillation button and cannot be controlled using external UIS programming.

If set to OFF, your clip fan will not oscillate regardless of any external programs.

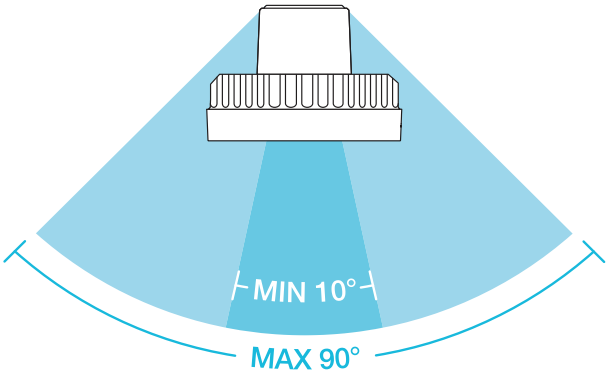
If set to ON, oscillation will automatically start if the external program activates your clip fan to turn ON. Oscillation will then automatically stop if the external program deactivates your clip fan to turn OFF.



ADJUSTING OSCILLATION RANGE
The oscillation button cycles through oscillation levels 0-10 with a maximum 90° angle range. This will ensure that your clip fan will not come into contact with your grow tent while still enabling you to adjust the focus of circulation.

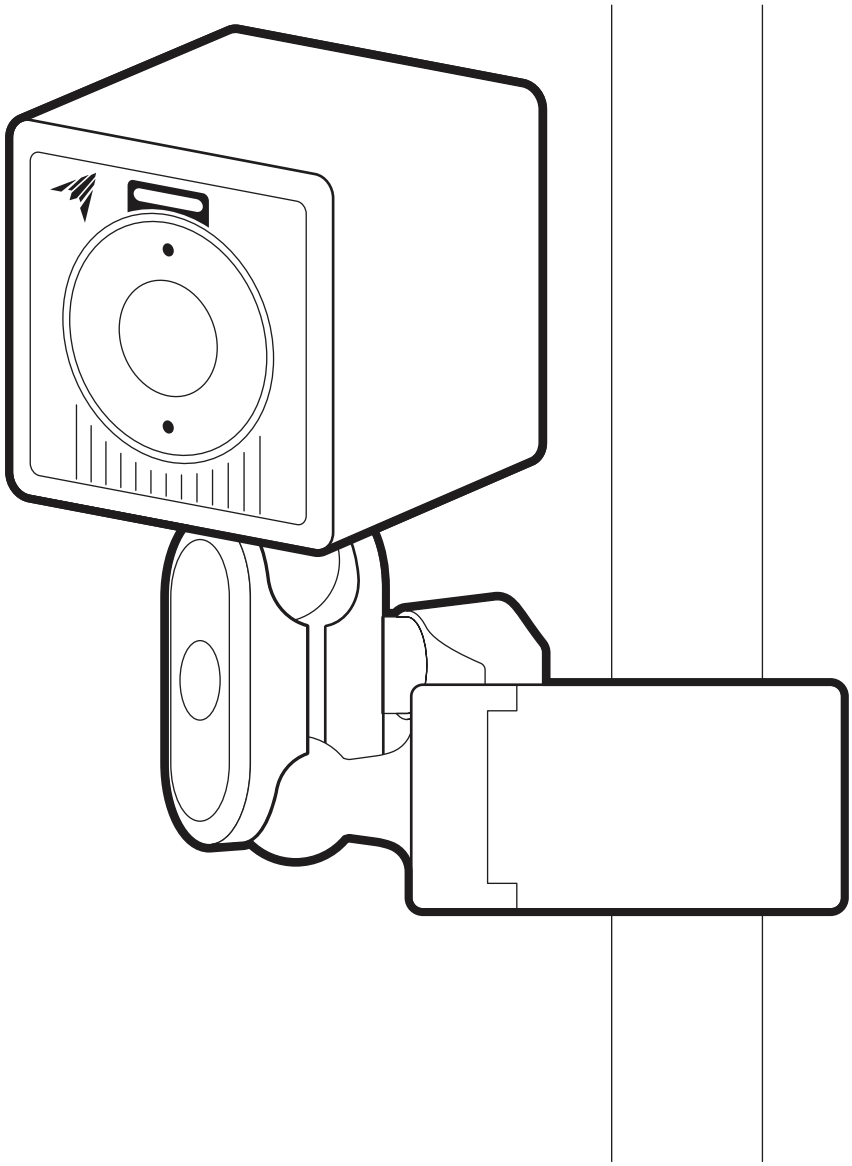
Press the oscillation button to increase how wide the fan will oscillate by one level. These levels are indicated by the orange row of LED lights.

Pressing the button past speed 10 will return to level 0.



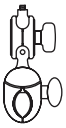
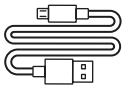
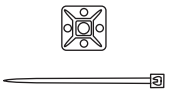
SPECTRON 3

AI-POWERED GROW CAMERA



SPECTRON 3

PRODUCT CONTENTS

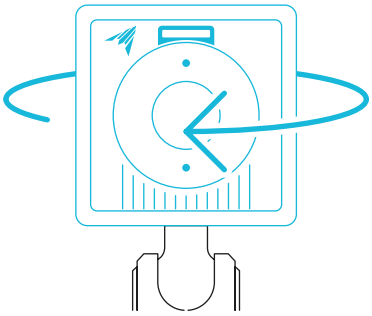
	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA, AI-Powered Grow System (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
 SPECTRON CAMERA	N/A	N/A	N/A	x1	N/A	N/A	x1	x1
 OMNI MOUNT	N/A	N/A	N/A	x1	N/A	N/A	x1	x1
 POWER ADAPTER	N/A	N/A	N/A	x1	N/A	N/A	x1	x1
 USB CABLE	N/A	N/A	N/A	x1	N/A	N/A	x1	x1
 WIRE TIE WITH 3M BASE	N/A	N/A	N/A	x1	N/A	N/A	x1	x1

SPECTRON 3

POWERING AND SETUP

STEP 1

Twist the camera onto the omni mount.

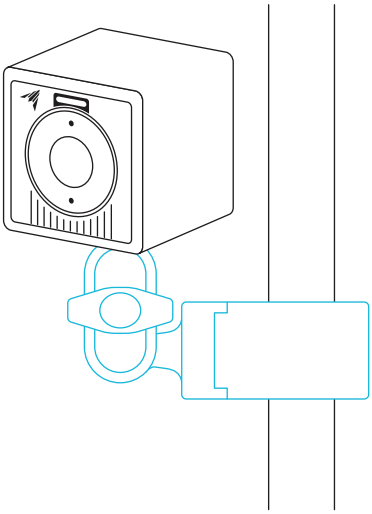


STEP 2

Mount the camera onto your grow tent pole using the clamp.

Adjust the angle of the camera to suit your needs using the side knobs. Do not overtighten.

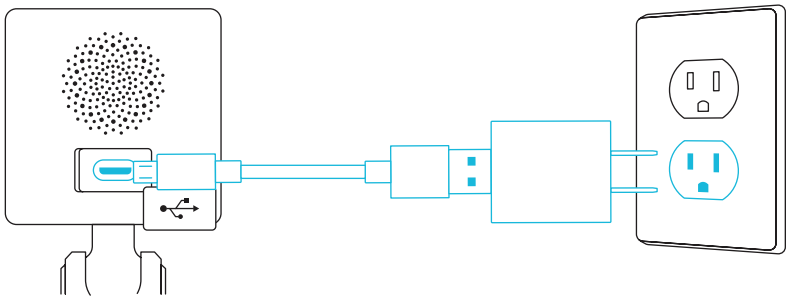
Avoid mounting the camera directly adjacent to the light source.



STEP 3

Use the USB cable to connect the camera to the power adapter.

Plug the adapter into an AC power outlet to power it.



FACTORY RESET

If you wish to reset the camera and restore factory settings, hold down the SETUP button at the bottom of the camera for 10 seconds until you hear a three-tone beep.

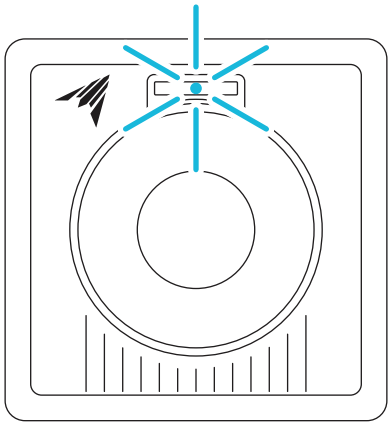


SPECTRON 3

GETTING STARTED

AC INFINITY APP

Download the AC Infinity app and make sure the camera is plugged in and powered on. Logging in or creating an account beforehand will expedite the pairing process. Have your Wi-Fi network's name and password ready.



CAMERA LIGHT INDICATORS

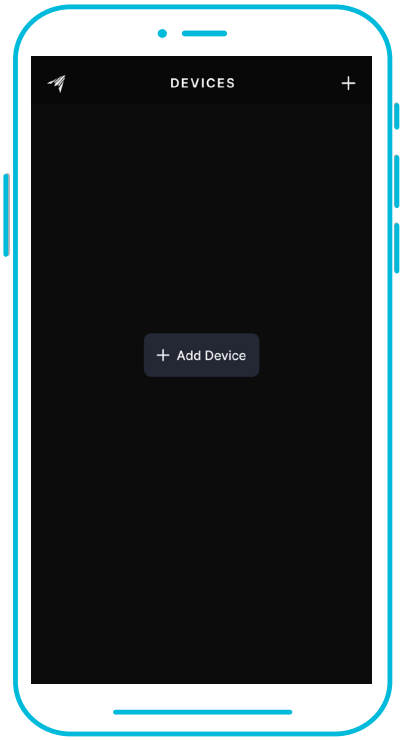
- **SOLID RED**
  The camera is powered ON but has not been paired, and footage is being viewed or recorded.
- **FLASHING RED**
  The camera connection is disconnected or unstable.
- **FLASHING RED AND BLUE**
  The camera is in pairing mode.
- **SOLID BLUE**
  The camera is working normally.
- **FLASHING BLUE**
  The camera is finalizing set-up and establishing a connection.
- **FLASHING GREEN**
  The camera is updating its firmware.

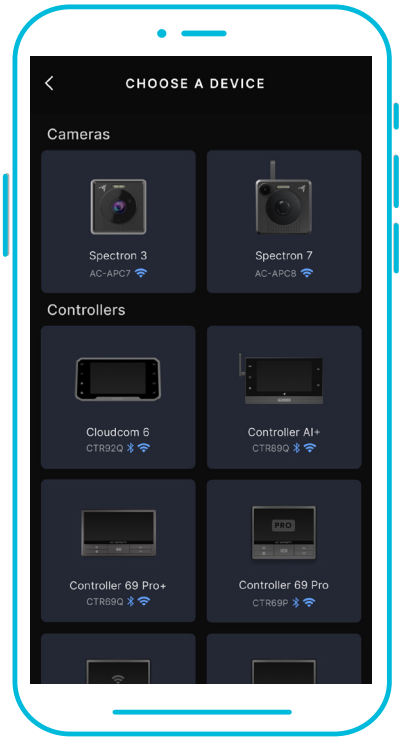
SPECTRON 3

CONNECTING TO THE APP

STEP 1

Tap on the “+” tab to add your smart device. You will be directed to the device page.





STEP 2

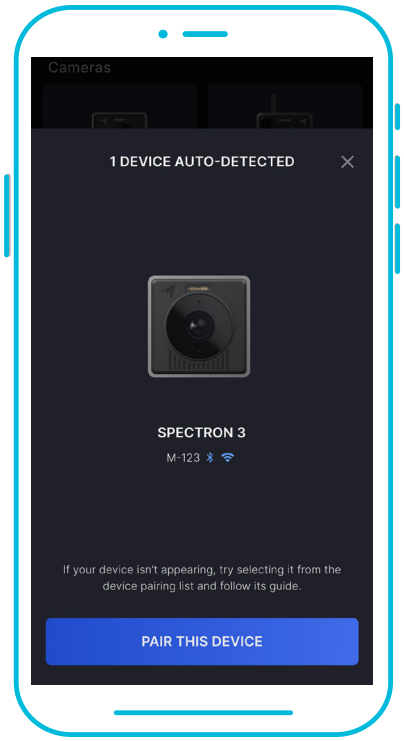
To activate pairing mode, hold down the SETUP button at the back of the camera head until you hear a chime and see the indicator light flashing blue and red.



STEP 3

The camera will be detected automatically. Tap “Pair This Device” to continue. Skip to the App Setup section for Wi-Fi instructions.

If the camera is not detected, proceed to step 4.

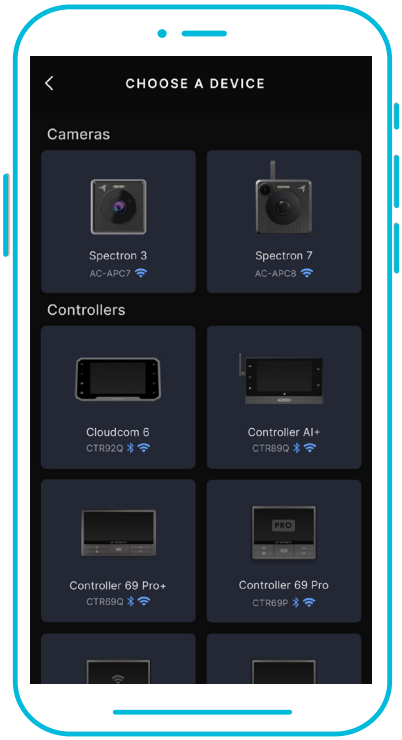


SPECTRON 3

CONNECTING TO THE APP

STEP 4

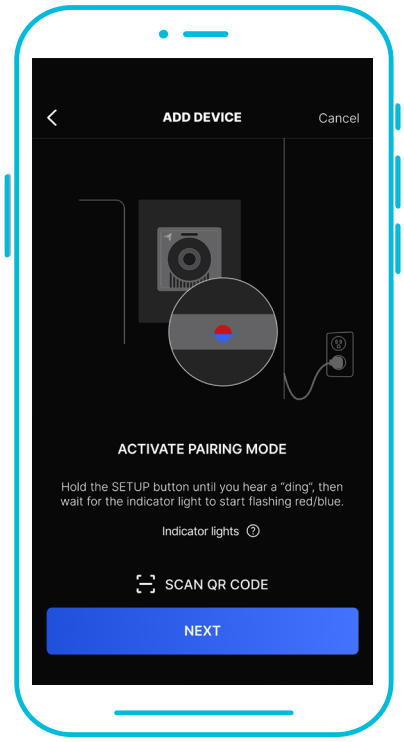
If the camera was not detected, tap on the Spectron picture on the device page.

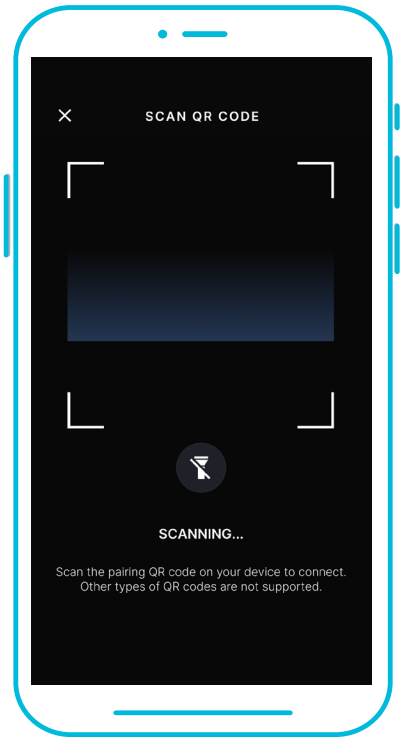


STEP 5

The “Activate Pairing Mode” page will appear.

Choose to scan the camera’s QR code engraved on the camera or tap “Next” to try automatic pairing again.



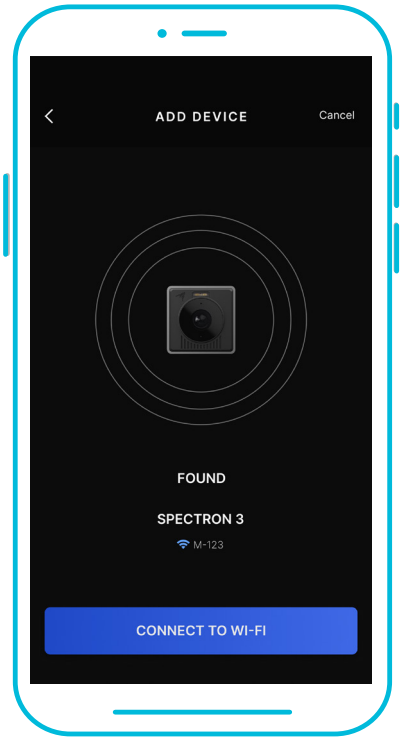


SPECTRON 3

CONNECTING TO THE APP

STEP 6

Once the camera is successfully detected, tap “Connect to Wi-Fi” to continue.

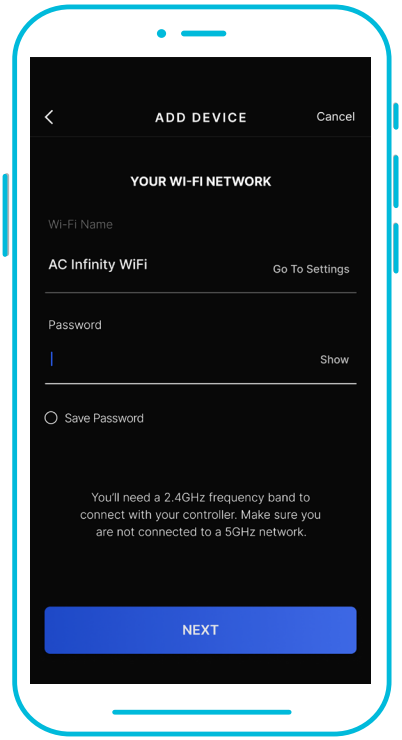


SPECTRON 3

APP SETUP

STEP 1

Enter your Wi-Fi network's password. You may also connect to an alternate 2.4 GHz router*.



STEP 2

Follow these tips if the pairing process is unsuccessful. Proceed to the next section if you are pairing this camera with a smart controller.

SELECT 2.4 GHZ NETWORK

Check for the flashing Wi-Fi icon before attempting to connect with your controller.

WPA/WPA2 NOT SUPPORTED

Move your mobile device closer to your controller and try again.

WI-FI BRIDGE AND EXTENDER

Disconnect from your Wi-Fi bridge or extender; it may be creating unstable Wi-Fi signals. Connect to your primary router.

CORRECT WI-FI PASSWORD

Make sure your Wi-Fi password is correct.

*This device is only compatible with 2.4 GHz frequency band routers. When connecting using Wi-Fi, make sure your mobile device is not connected to a 5 GHz frequency band network.

SPECTRON 3

APP SETUP

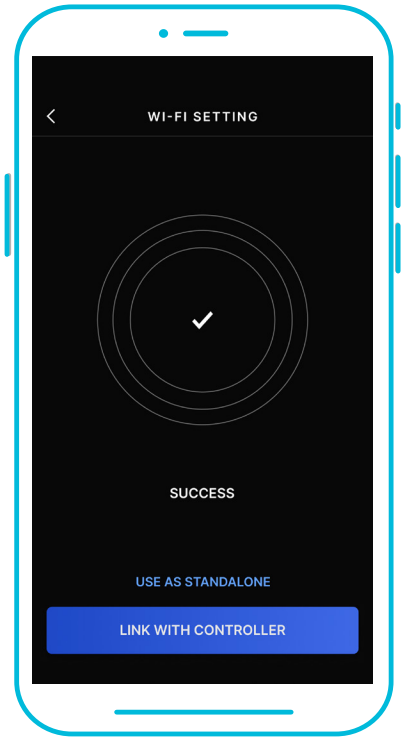
STEP 3 — SOLO CONNECT

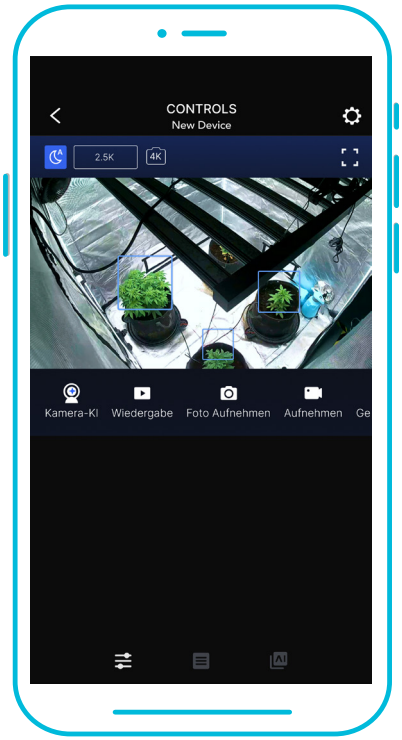
Tap the “DONE” or “USE AS STANDALONE” button to complete the pairing process.

You will be able to see a live image of your grow.

ADVANCED FEATURES

When you tap on the live image, you will be taken to the Controls page of the camera. There you can access AI insights, playback feeds, and more.





Ensure your camera is facing the doorway for more precise AI insights and automations.

SPECTRON 3

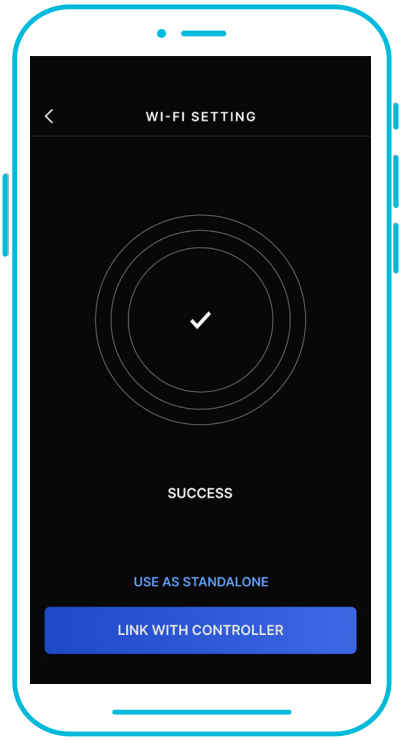
APP SETUP

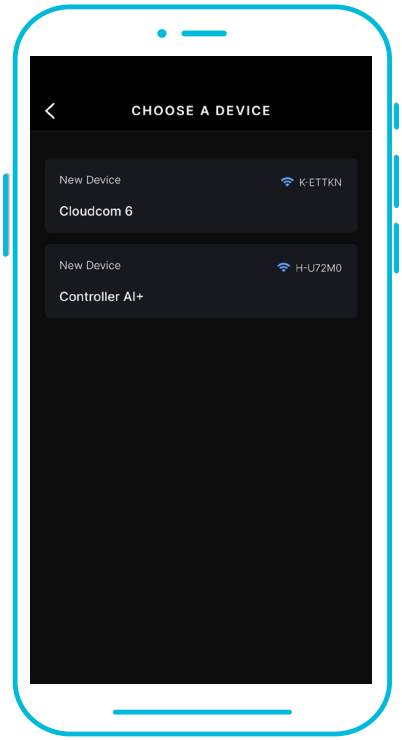
STEP 3 — PAIRING WITH CONTROLLERS

Tap the “LINK TO CONTROLLER” button to proceed.

Select the controller you’d like to pair the camera with.

You may pair or unpair the camera with your controller at any time within the camera settings.





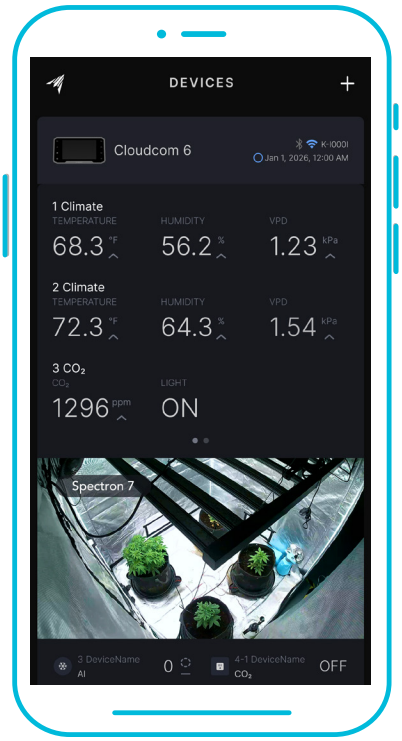
STEP 4 — PAIRING WITH CONTROLLERS

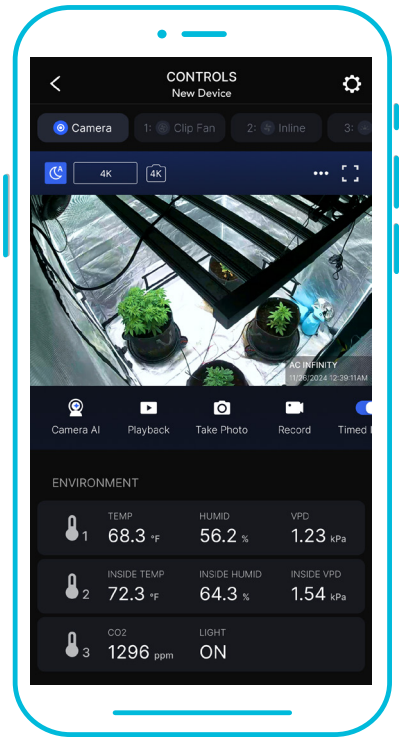
You will be able to see a live image of your grow.

ADVANCED FEATURES

When you tap on the live image, you will be taken to the Controls page of the camera. There you can access AI insights, playback feeds, and more.

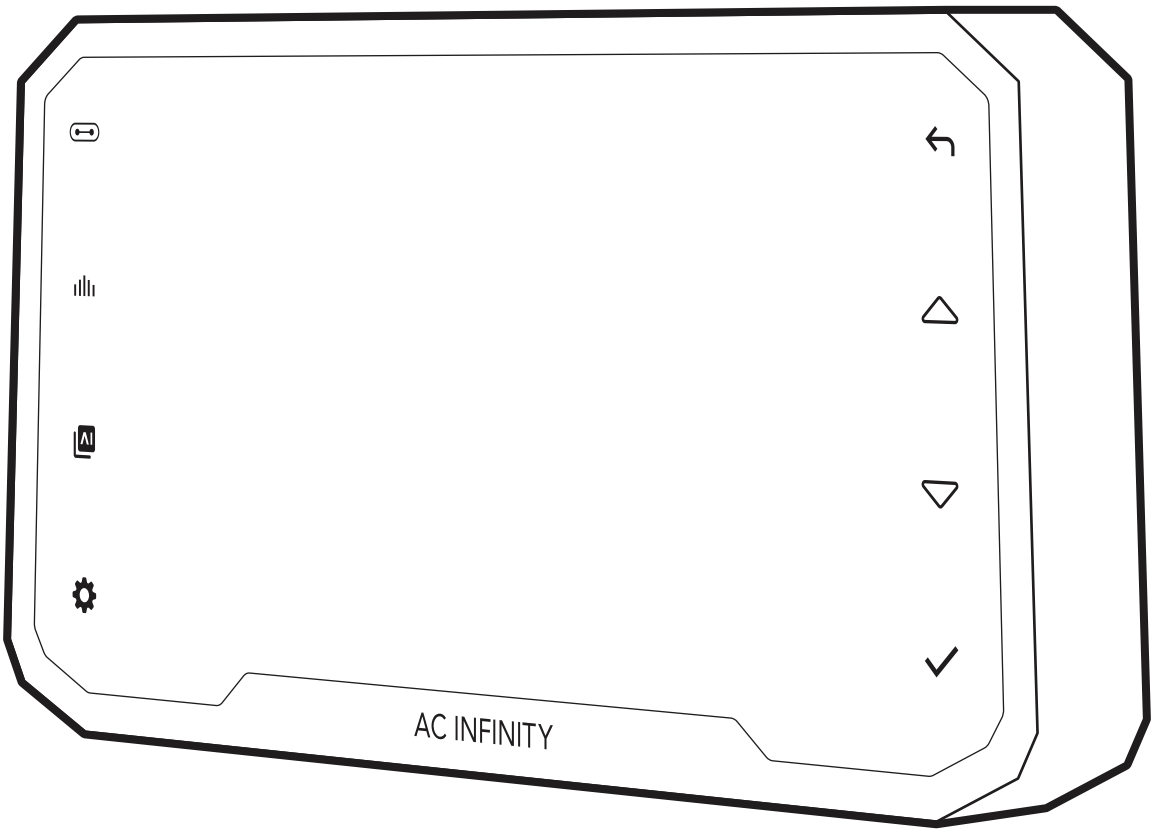
Ensure your camera is facing the doorway for more precise AI insights and automations.





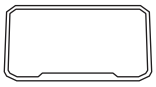
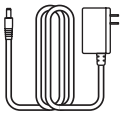
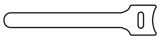
CLOUDCOM 6

AI-POWERED ENVIRONMENTAL CONTROLLER



CLOUDCOM 6

PRODUCT CONTENTS

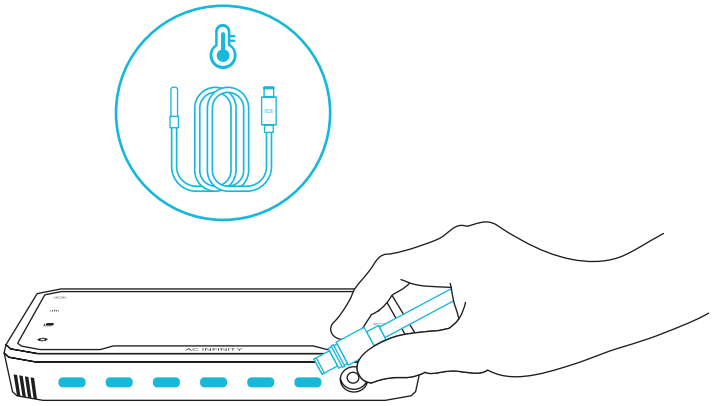
	AI-Powered Grow System COMPACT (2x2) AC-PKA22	AI-Powered Grow System (2x2) AC-PKB22	AI-Powered Grow System (2x4) AC-PKB24	AC INFINITY x ATHENA, AI-Powered Grow System (2x4) AC-PKN24	AI-Powered Grow System (3x3) AC-PKB33	AI-Powered Grow System (4x4) AC-PKB44	AI-Powered Grow System PRO (4x4) AC-PKC44	AI-Powered Grow System PRO (5x5) AC-PKB55
 GROW TENT CONTROLLER	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1	CLOUDCOM 6, 6 Ports x1
 TEMPERATURE AND HUMIDITY SENSOR PROBE	x1	x1	x1	x1	x1	x1	x1	x1
 POWER ADAPTER	x1	x1	x1	x1	x1	x1	x1	x1
 CONTROLLER MOUNTING SCREWS WITH PLASTIC ANCHOR	x2	x2	x2	x2	x2	x2	x2	x2
 WIRE TIE WITH 3M BASE	x1	x1	x1	x1	x1	x1	x1	x1
 HOOK AND LOOP TIES	x2	x2	x2	x2	x2	x2	x2	x2

CLOUDCOM 6

POWERING AND SETUP

STEP 1

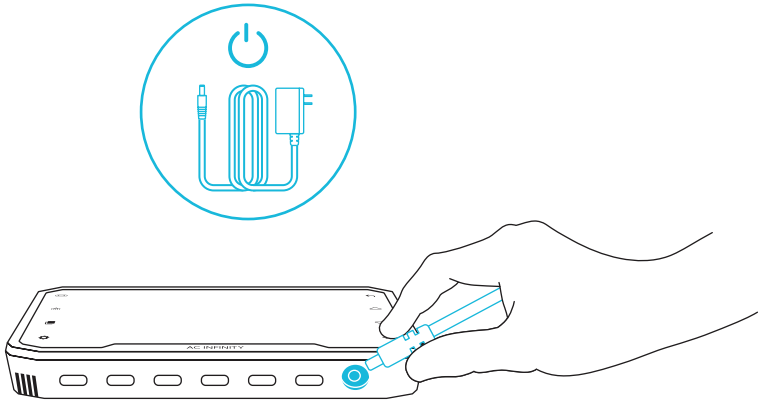
Plug the sensor probe into any of the controller's UIS ports. Set the probe near your plants in your grow tent for the most accurate reading.



STEP 2

Plug the power adapter into your controller's DC adapter port.

Plug the two-prong connector into an AC power outlet to power the controller.

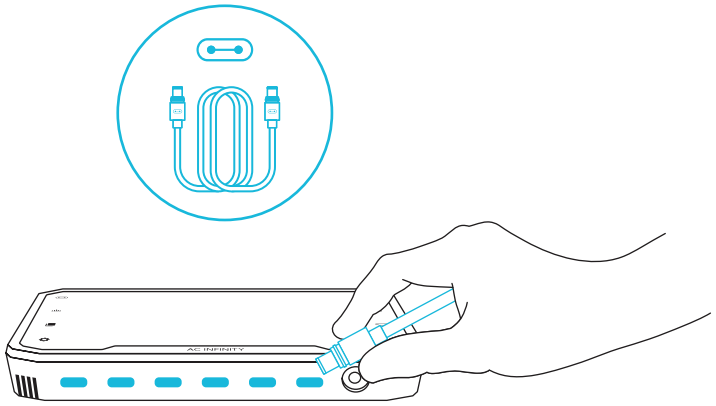


CLOUDCOM 6

POWERING AND SETUP

STEP 3

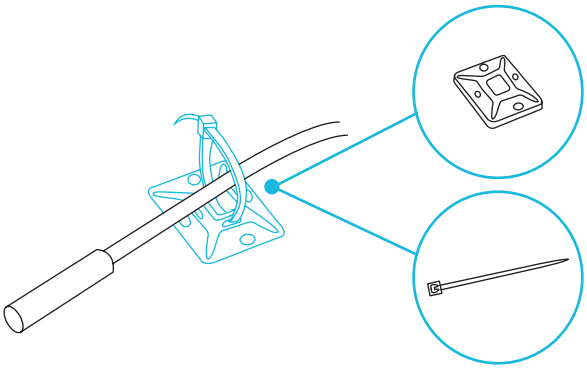
Use the included UIS M-M extension cord to connect your device's UIS connector into one of the controller's ports. Plug the device's power cord into an AC power outlet to power it.



STEP 4

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

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



CLOUDCOM 6

MOUNTING

MAGNET MOUNTING

You may mount the controller onto a steel surface using the magnet located on the backside.

Set your controller outside your grow tent so the onboard sensor can gather external climate readings.

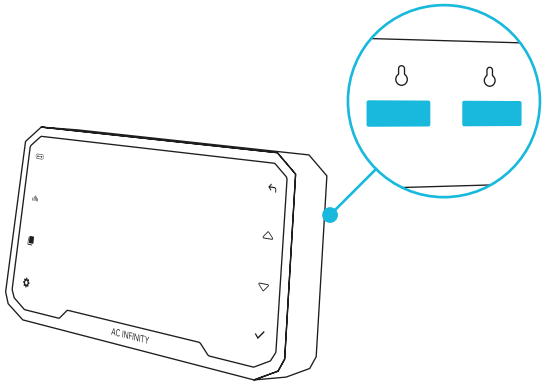
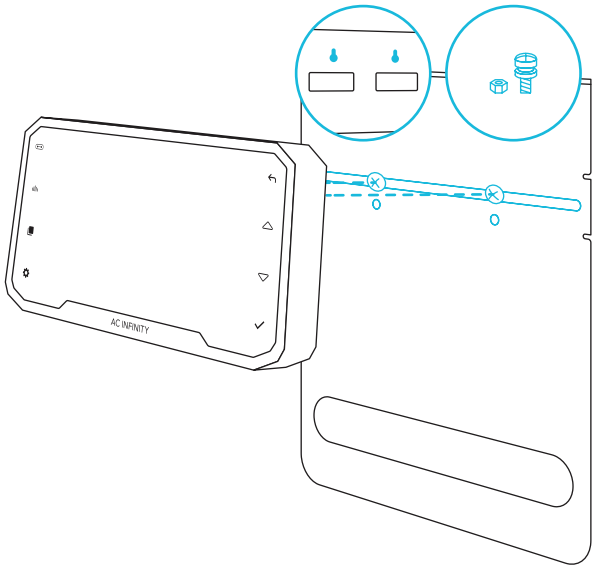


PLATE MOUNTING

Screw the bolts into the slot or mounting holes at the upper half of the plate.

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

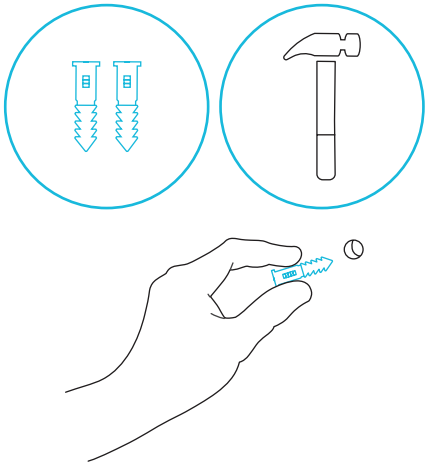


CLOUDCOM 6

MOUNTING

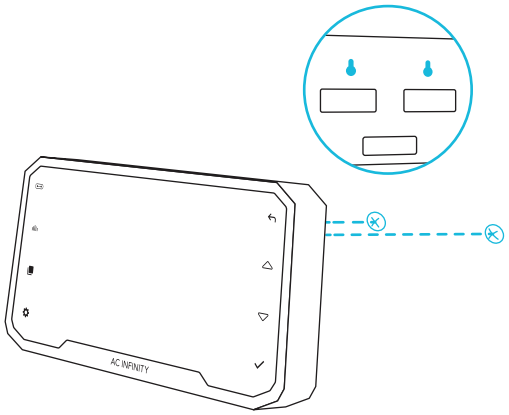
STEP 1 — WALL MOUNTING

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.



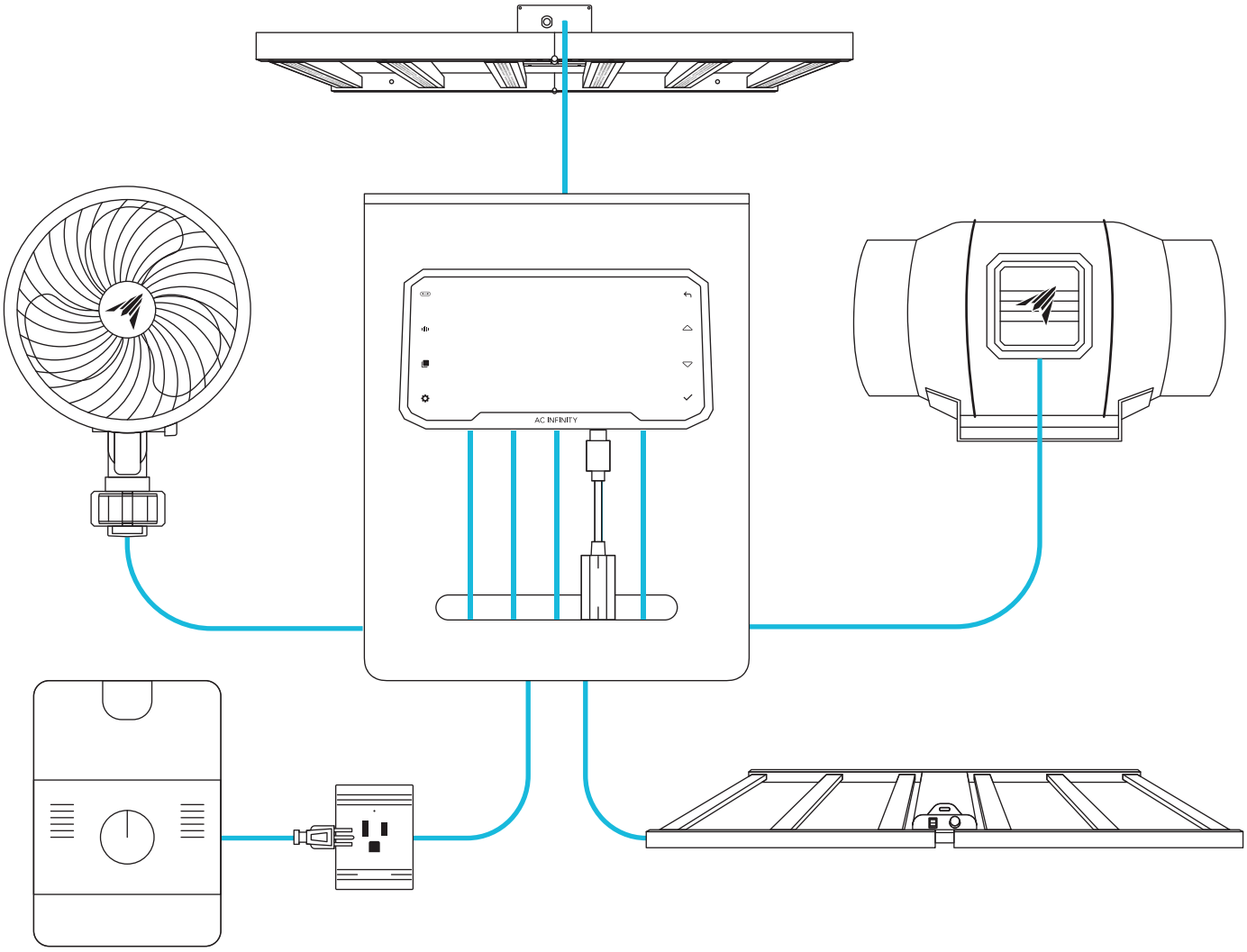
CLOUDCOM 6

UIS™ PLATFORM

The UIS™ platform 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.

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.

You can also connect your favorite grow light and outlet device to integrate them into the UIS platform using our RJ11/12 adapter and control plug module.

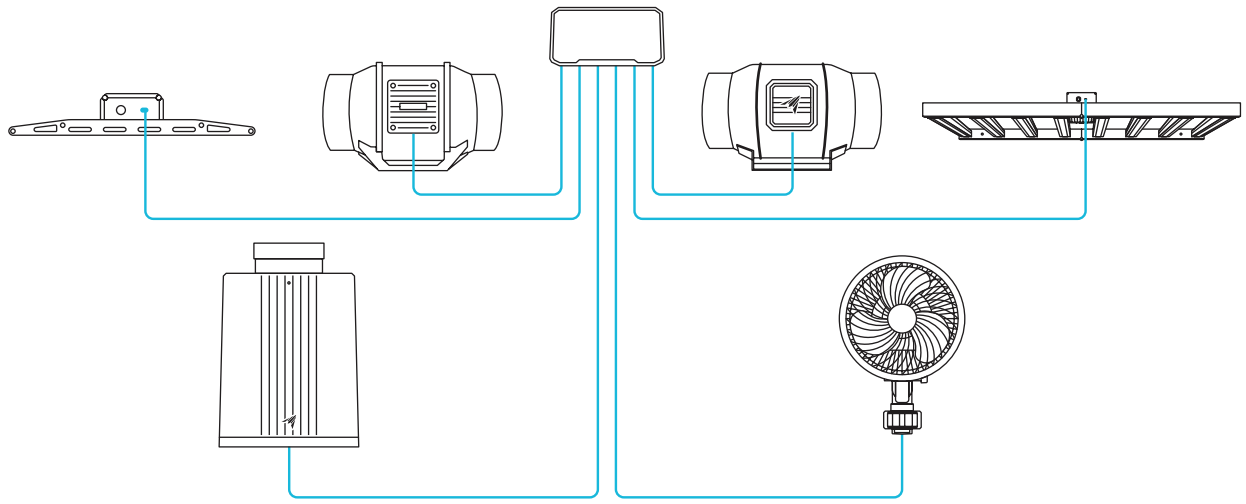


Grow devices will be sold separately and may still be in development at the time of your purchase of this product.

CLOUDCOM 6

ADDING MORE DEVICES

The Cloudcom 6 is built with six ports that enable you to control multiple devices at the same time. You may connect even more using the Thread Mesh Receiver (sold separately). See image below for a sample configuration.

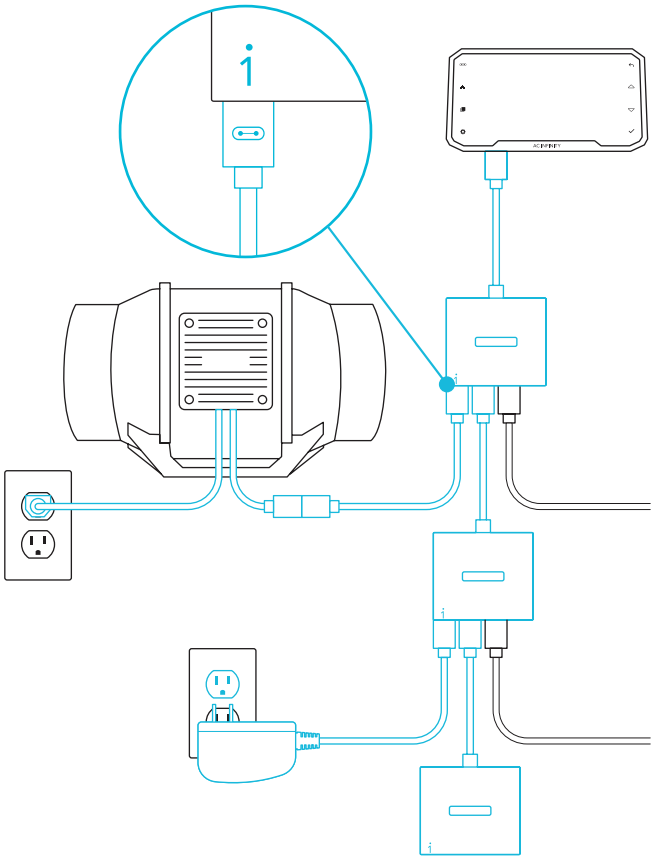


EXTENDING THE CHAIN

Plug the male end of the splitter* into your UIS controller. Connect a UIS device or power adapter to the first port of each tier to power your controller and the hub.

Ports 2-4 can connect to additional splitters or UIS devices. 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.

This splitter is not compatible with UIS adapters such as the RJ11 Lighting Adapter.



*Not included

CLOUDCOM 6

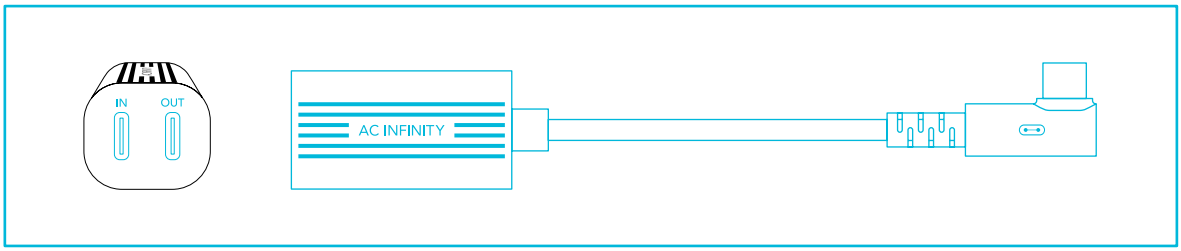
ADDING MORE DEVICES

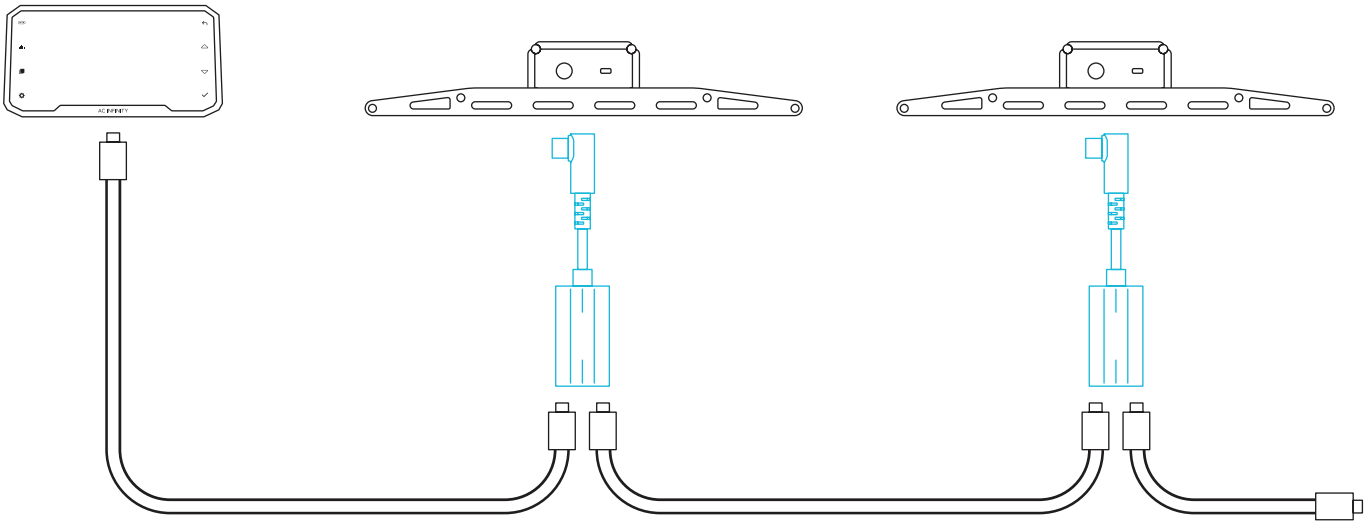
DAISY-CHAINING

Each of the included controller's ports can support up to 20 devices using a daisy-chain adapter (not included). All devices must be from the same series but can be of differing sizes.

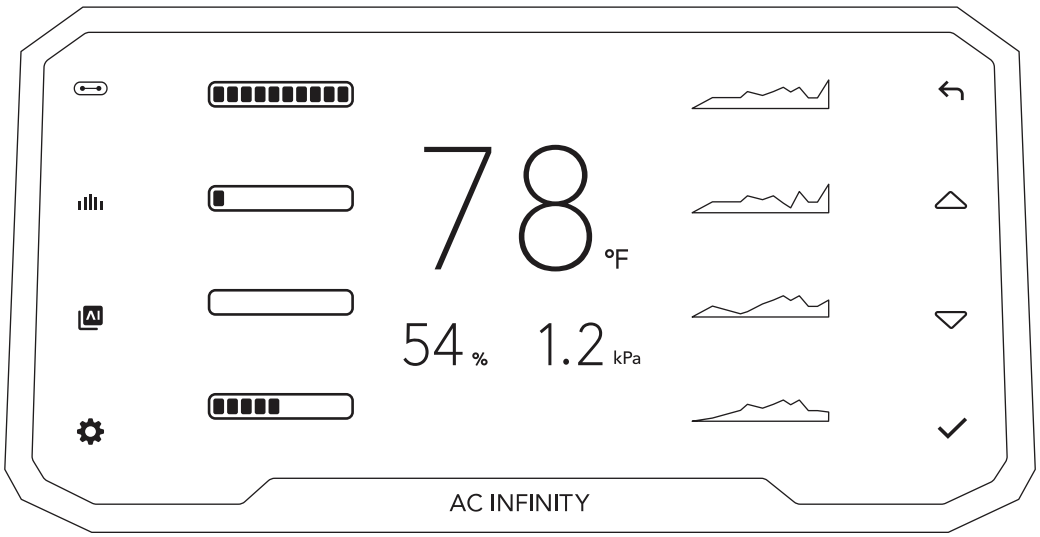
Plug the male end of the daisy-chain adapter into your device.

Connect your UIS controller to the daisy-chain adapter's INPUT port using a M-M connector cord. Using an extension cord, attach the daisy-chain adapter's OUTPUT port to another adapter's INPUT port. You can also link the OUTPUT port to another UIS device to end the chain.





CLOUDCOM 6
PROGRAMMING



CLOUDCOM 6
For in-depth programming instructions, refer to the included CLOUDCOM 6 Quick Start Guide. The following resources are also available for further assistance.

WEBPAGE OVERVIEW
Read through this instruction guide to easily explore all that your controller has to offer.

CLOUDCOM 6

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

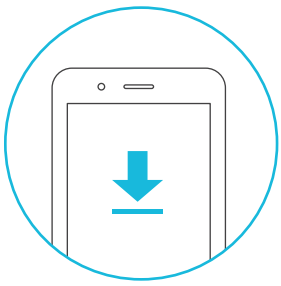
Download the AC Infinity app from the App Store or Play Store by searching “AC Infinity”.

2

Open the AC Infinity app and follow the instructions in the following section to pair your controller with the app.

Download on the App Store

GET IT ON Google Play



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.

CLOUDCOM 6

ADD A DEVICE

SETUP AND PAIRING

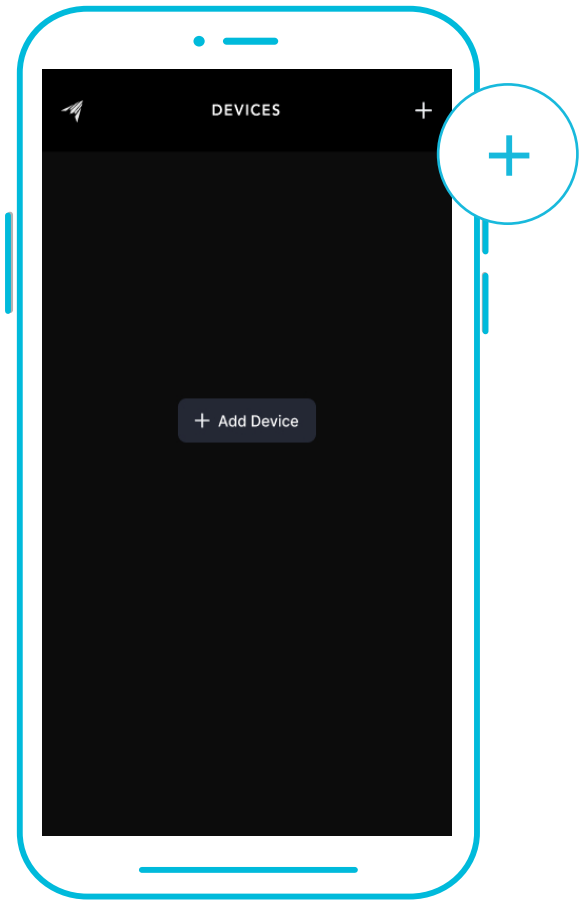
Hold the UIS button on your controller for 5 seconds to pair it to the AC Infinity app. If the app does not automatically detect your controller, proceed to the next steps for manual pairing.

1

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

2

Select Cloudcom 6.





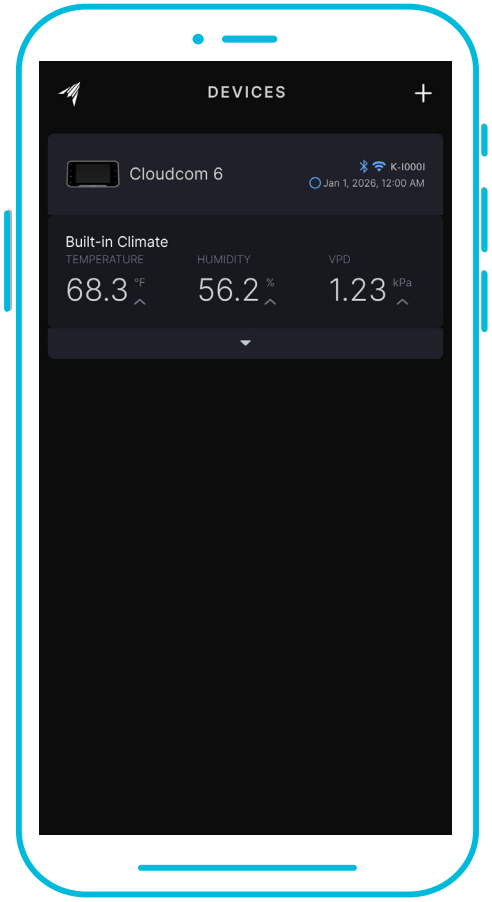
Please note: Bluetooth must be enabled on your mobile device before starting the pairing process.

CLOUDCOM 6

ADD A DEVICE

3

Your controller will appear with a unique ID.

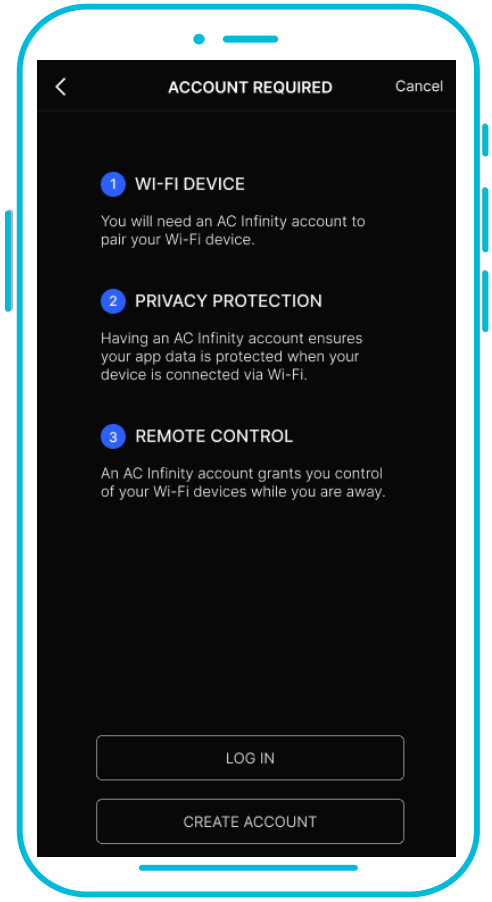


CLOUDCOM 6

ADD A DEVICE: WI-FI

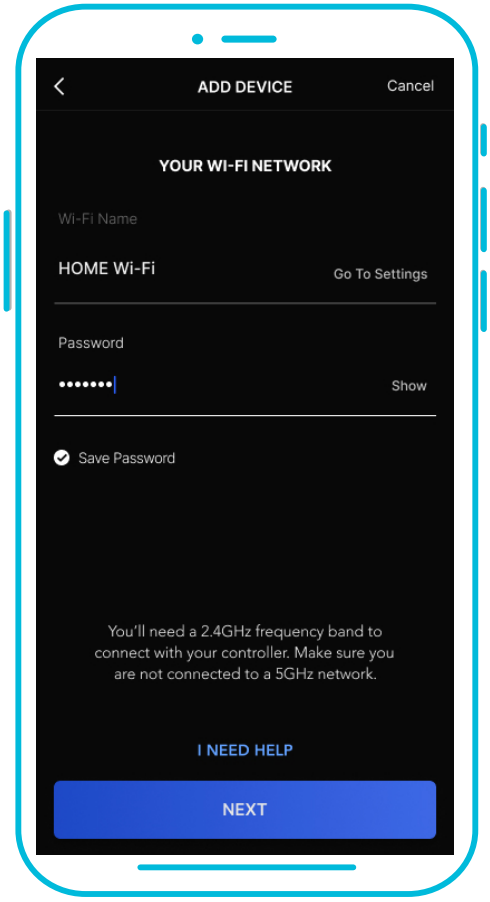
1

Log in or create an account to continue.



2

Enter your Wi-Fi network's password.



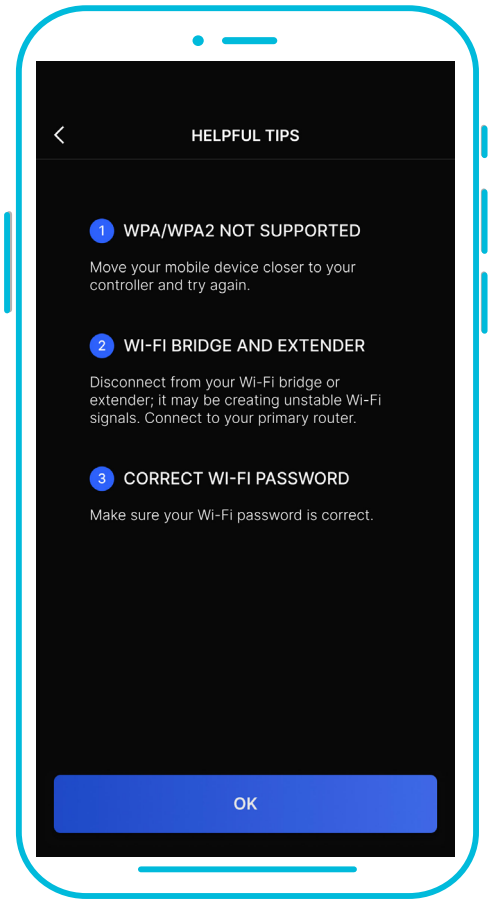
When pairing the app around multiple controllers, move your mobile device closer to your desired controller.

CLOUDCOM 6

ADD A DEVICE: WI-FI

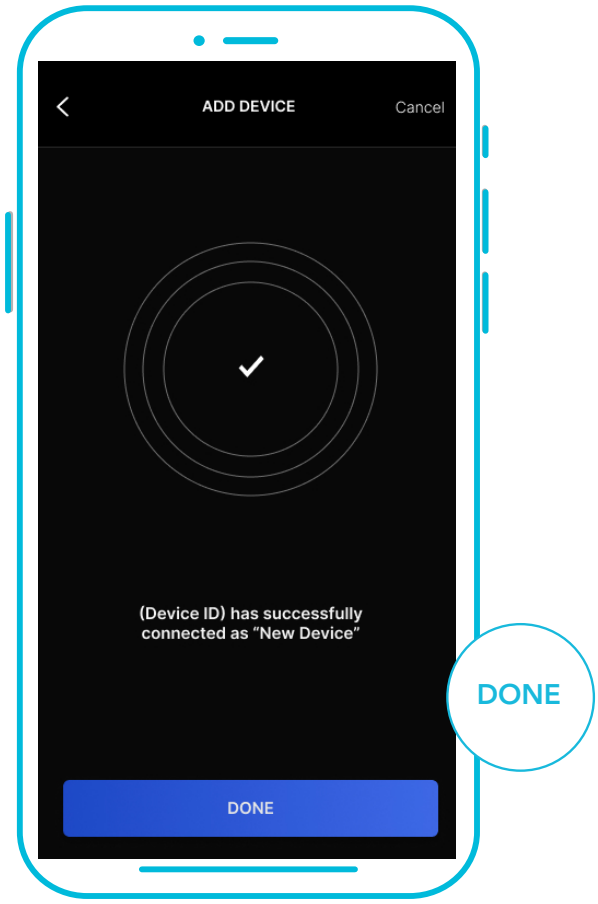
3

Follow these tips if the pairing process is unsuccessful.



4

Tap the DONE button to complete the pairing process.



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. Commercial grow lights sold by AC Infinity receive a five year warranty period. 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 (five years from the date of purchase of commercial grow lights). 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.

Contact our dealers department at **dealers@acinfinity.com** or **(626) 838-4656** for more information about our dealers and distributors program. Contact our customer service department at **support@acinfinity.com** or **(626) 923-6399** for product and warranty assistance. Our business hours are Monday through 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!

COPYRIGHT © 2026 AC INFINITY INC. ALL RIGHTS RESERVED
No part of the materials, including graphics or logos available in this booklet, may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without specific permission from AC Infinity Inc.

www.acinfinity.com