AC INFINITY

IONBOARD SERIES
GROW LIGHT SYSTEM

USER MANUAL

WELCOME

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

EMAIL

support@acinfinity.com

WEB

www.acinfinity.com

LOCATION

Los Angeles, CA

MANUAL CODE IB2306X1

PRODUCT	MODEL	UPC-A
IONBOARD S22	AC-IBS22	819137022515
IONBOARD S24	AC-IBS24	819137022522
IONBOARD S33	AC-IBS33	819137022539
IONBOARD S44	AC-IBS44	819137022546

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PRODUCT WARNING

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

1. Ensure your power source conforms to the electrical requirements of this product.

2. Check your local code restrictions for additional safety measures that may be needed for a proper code compliant installation.

3. Read all instructions before installing and using this product.

4. If you are unfamiliar or have doubts about performing this product's installation, seek the services of a qualified, trained, and licensed professional. Inappropriate installation will void this product's warranty.

5. This product must not be used in potentially hazardous locations such as flammable, explosive, chemical-laden or wet atmospheres.

6. Do not cover power cords with rugs or other fabric materials.

7. Safety precautions should be exercised during the installation, operation, and maintenance of this product.

8 Do not block or tamper with this product in any manner while it is in operation as it may cause electric shock, fire, or damage to this product.

9. Do not depend on the on/off programming as the sole means of shutting power from this product. Unplug the power cord before installing, servicing, or moving this product.

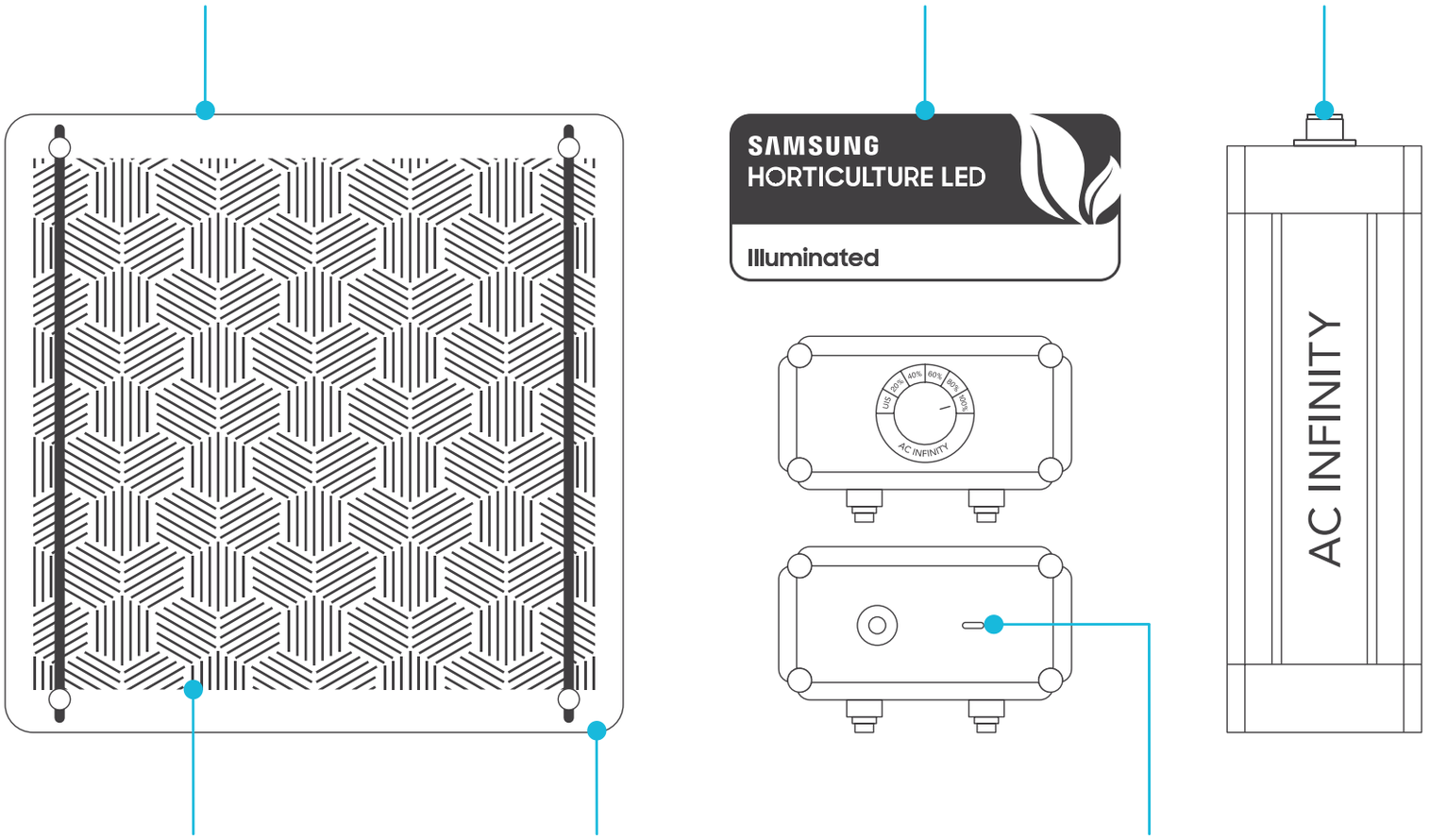
10. Do not operate this product while its cord is damaged, or if it malfunctions, has been dropped, or is damaged in any manner.

KEY FEATURES

EVEN COVERAGE
Algorithmically spaced diodes achieve wider light spread for optimized use in all grow stages while eliminating hot spots.

SAMSUNG DIODES
Built with genuine Samsung LM301H full spectrum LEDs for high efficiency and efficacy luminosity.

DIMMABLE LED DRIVER
Convenient dimmer knob adapts light intensity to your plant's grow cycle stage: 20/40/60/80/100%



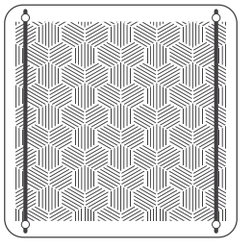
THERMALLY OPTIMIZED
Black anodized aluminum frame offers no-noise heat dissipation to keep the grow light cool over extended use.

IP65 PROTECTION
Sealed to Ingress Protection 65 standards against liquids and dust for excellent performance in grow tent environments.

UIS™ COMPATIBLE
Connect with next-gen smart controllers or other grow lights for greater control and custom programming.

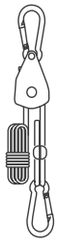
IONBOARD S22 (AC-IBS22) shown

PRODUCT CONTENTS



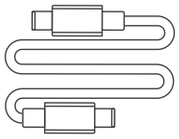
GROW
LIGHT
(x1)

LED
DRIVER
(x1)



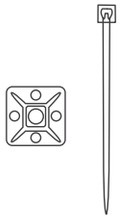
ROPE
CLIP
(x2)

STAINLESS STEEL
HANGING HOOK
(x2)



UIS M-M
CORD
(x1)

HOOK AND
LOOP TIE SET
(x4)



WIRE
TIE SET
(x1)

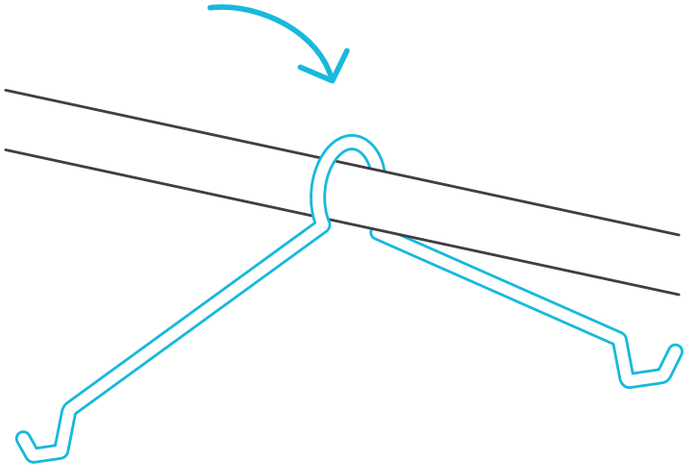
IONBOARD S22 (AC-IBS22) shown

INSTALLATION

IONBOARD S22 / S24

STEP 1

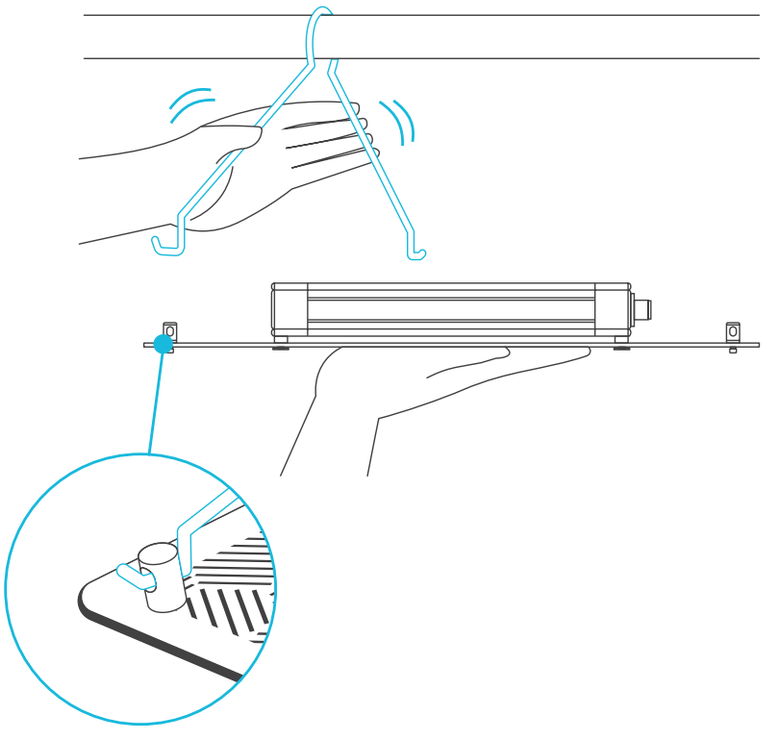
Hang the steel hooks over your grow tent's support beams.



STEP 2

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

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

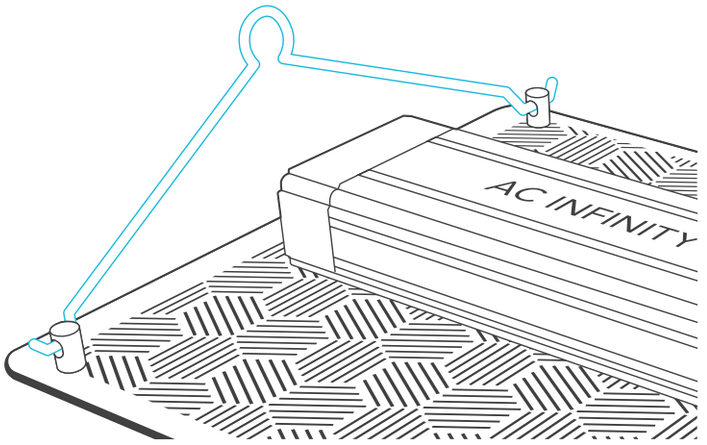


INSTALLATION

IONBOARD S33 / S44

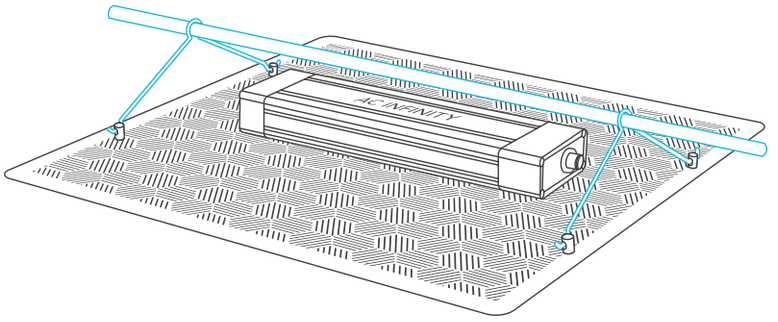
STEP 1

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



STEP 2

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



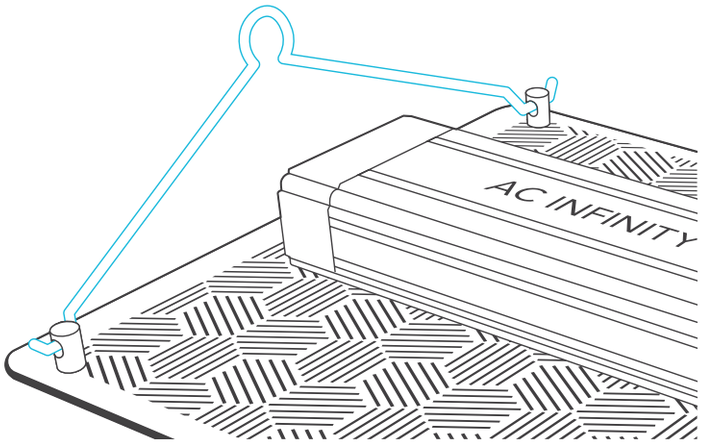
*Two people are recommended for this installation.

INSTALLATION

ROPE CLIP HANGING

STEP 1

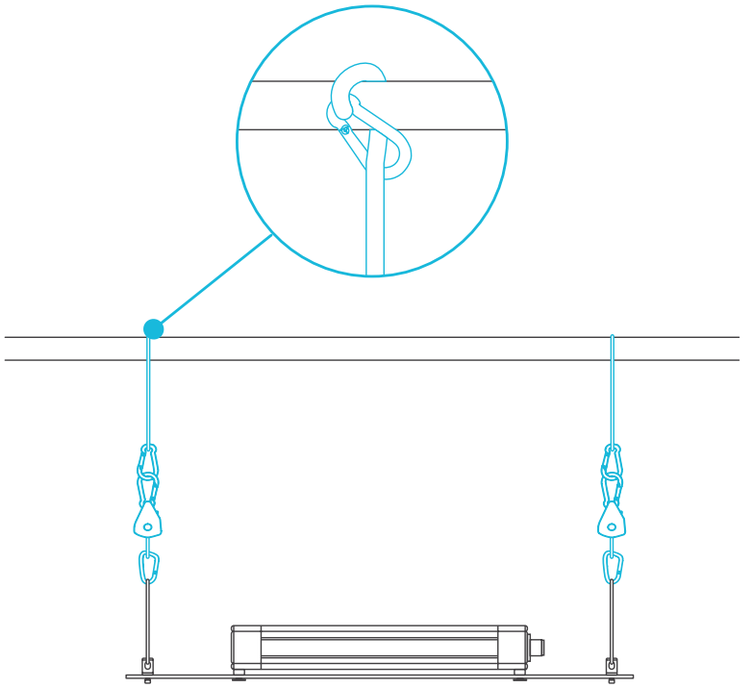
Insert the steel hooks into your grow light's slotted holes of the end caps.



STEP 2

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

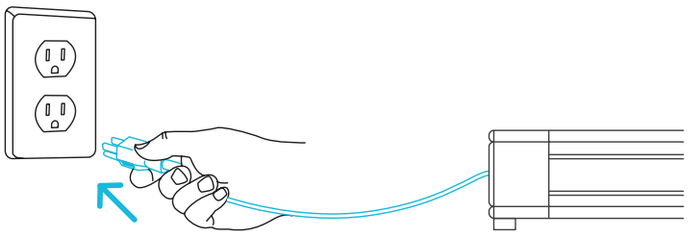
Hook the carabiners into the steel hooks.



POWERING AND SETUP

STEP 1

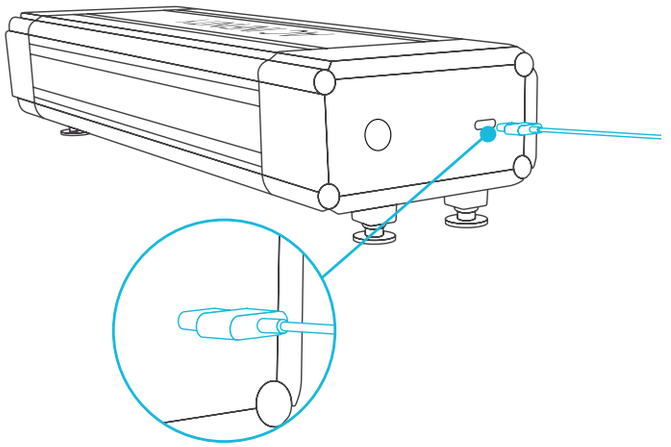
Plug the power cord into an AC power outlet to power your grow light.



STEP 2

You may connect an external controller to set smart programming.

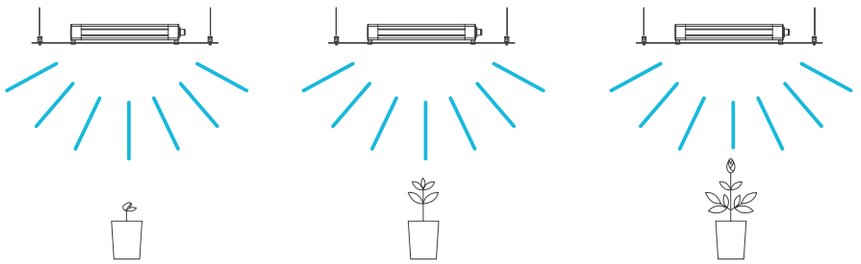
Plug one end of the extension cord into the LED driver, and the other end into your chosen controller.



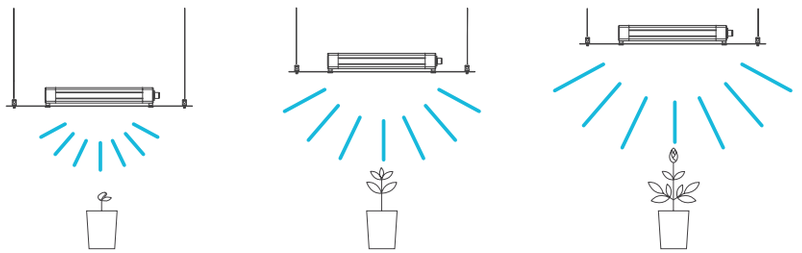
STARTER GUIDE

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%

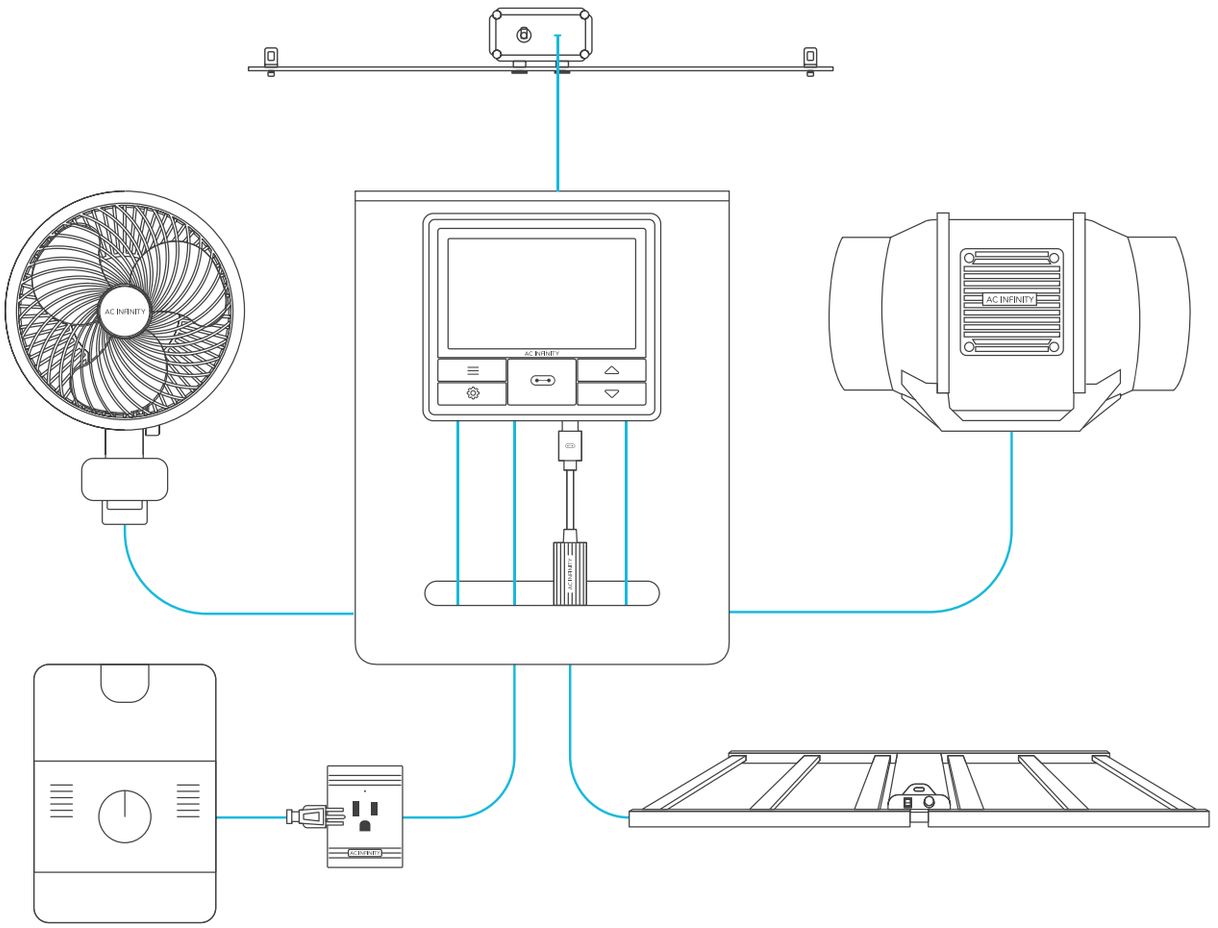


UIS™ PLATFORM

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.

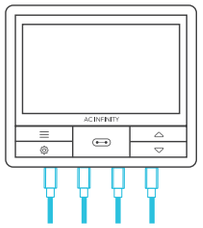
Your grow system can be regulated using your controller hub or remotely on the AC Infinity app (paired with compatible controllers), where you will have access to automation programming and climate data.

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.

ADDING MORE LIGHTS

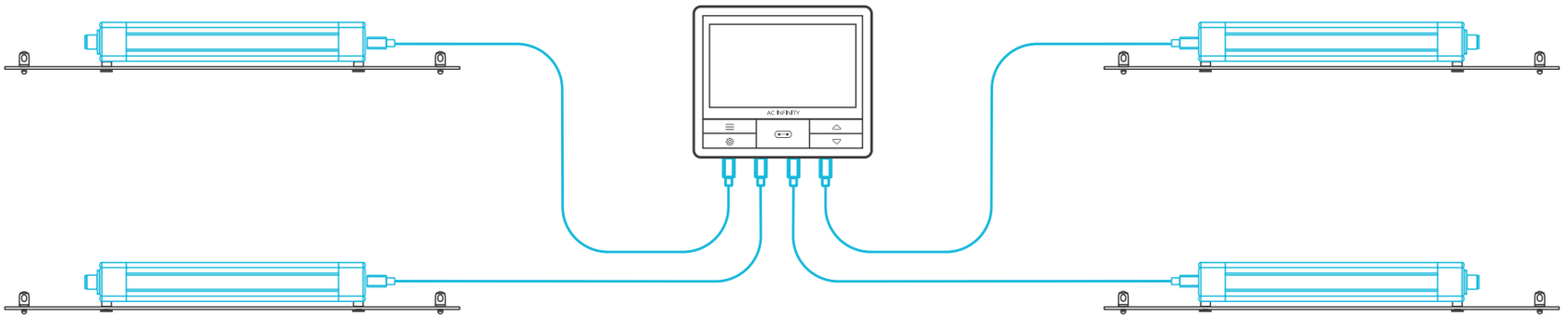


AC Infinity smart controllers are equipped with multiple ports to add more grow lights and share the same programming. Refer to the diagram below to learn how to connect additional units.

Smart grow light controllers can program light intensity levels and scheduled activations of all grow lights plugged into its UIS ports.

An expansion dongle (sold separately) will allow you to connect additional grow lights past the number of units your controller can support.

Multi-Light Connection



*Smart Controller and dongle are sold separately.

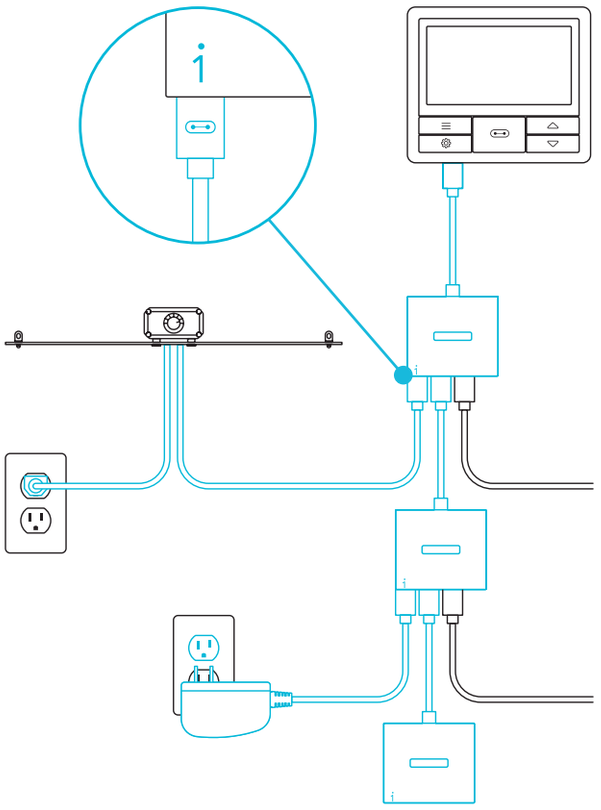
ADDING MORE LIGHTS

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.

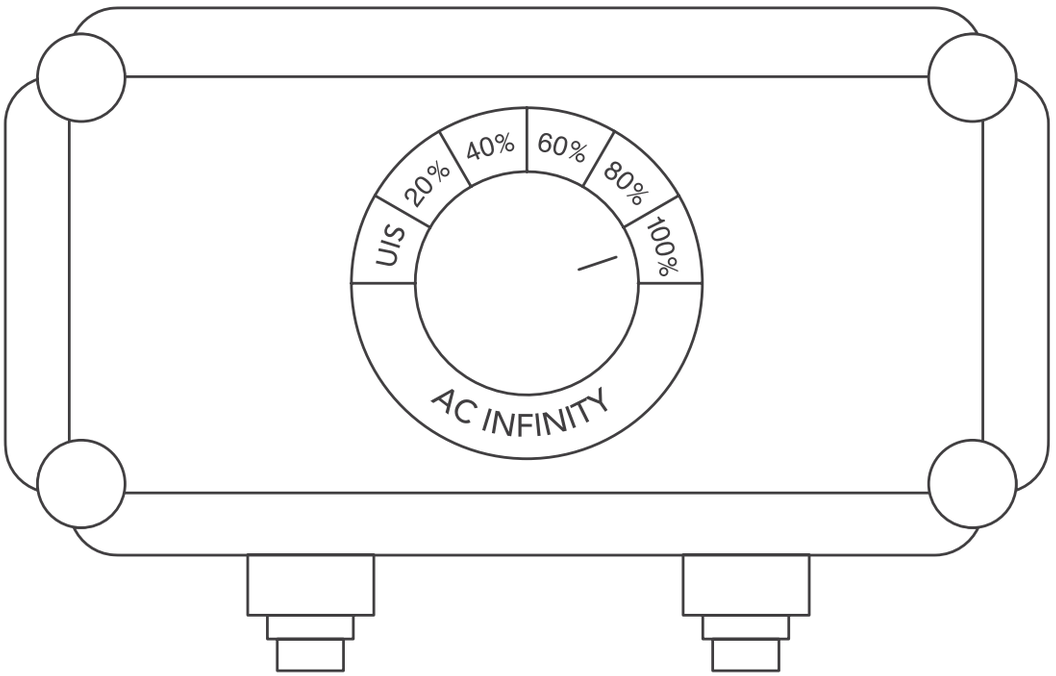
Ports 2-4 can connect to additional splitters or UIS devices. All devices plugged into this chain must be of the same type (ex. grow lights of any size) regardless of the length of the dongle chain.

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



*Not included

PROGRAMMING



OFF / UIS MODE

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

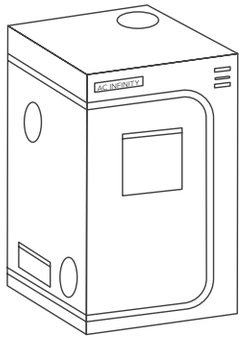
INTENSITY LEVEL

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

AC INFINITY PRODUCTS

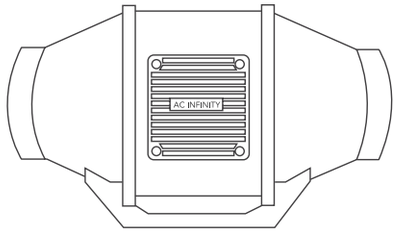
Advance Grow Tents

The CLOUDLAB series is a line of grow tents designed to create ideal growing conditions and facilitate indoor plant cultivation year-round. Features 2000D thick oxford canvas lined with inner diamond patterned mylar that maximizes grow light luminosity, and a reinforced frame with 150 lb. weight capacity. Includes a mounting plate to install your AC Infinity controller onto.



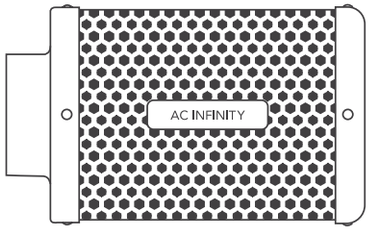
Inline Duct Fans

The CLOUDLINE series is a line of duct fans designed to quietly ventilate AV rooms and closets, as well as various DIY air circulation and exhaust projects. Features a thermal controller with intelligent programming that will automatically adjust duct fan speeds in response to changing temperatures.



Carbon Filters

The duct carbon filter is designed to eliminate odors and chemicals for grow tents and hydroponic spaces. It utilizes premium grade Australian charcoal that features greater absorption power and a longer lifespan. Enables maximum airflow pass through as part of an intake or an exhaust system.



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WARRANTY

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

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

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

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 have any issues with this product, contact us and we'll happily resolve your problem or issue a full refund!

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