

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 IG2108X1

PRODUCT

IONBOARD S22
IONBOARD S24
IONBOARD S33
IONBOARD S44

MODEL

AC-IBS22
AC-IBS24
AC-IBS33
AC-IBS44

UPC-A

819137022515
819137022522
819137022539
819137022546

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KEY FEATURES

SAMSUNG LED DIODES

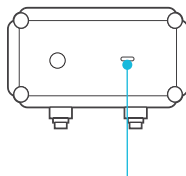
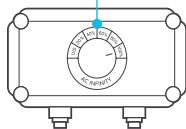
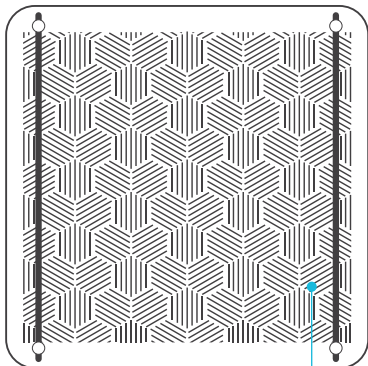
Built with genuine Samsung LM301B full spectrum LEDs running at 100W & 2.6 $\mu\text{mol}/\text{J}$ for high efficiency lighting.

EVEN COVERAGE

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

DIMMABLE LED DRIVER

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



IP-65 PROTECTION

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

THERMALLY OPTIMIZED

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

UIS™ COMPATIBLE

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

*Model shown: IONBOARD S22 (AC-IBS22)

PRODUCT CONTENTS

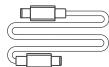
IONBOARD S-Series



GROW
LIGHT
(x1)



LED
DRIVER
(x1)



UIS M-M
CORD
(x1)



STAINLESS STEEL
HANGING HOOK
(x2)



ROPE
CLIP
(x2)



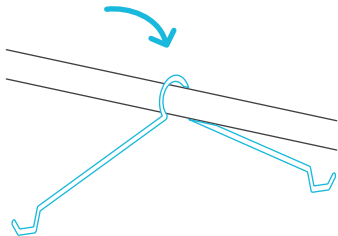
VELCRO
TIE SET
(x4)

INSTALLATION

IONBOARD S22 / S24

STEP 1

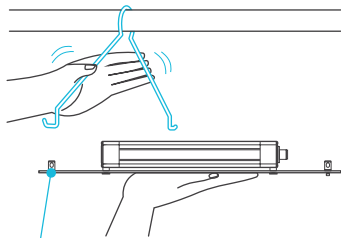
Hang the steel hooks over your grow tent's support beams.



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.

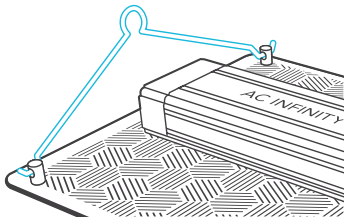


INSTALLATION

IONBOARD S33 / S44

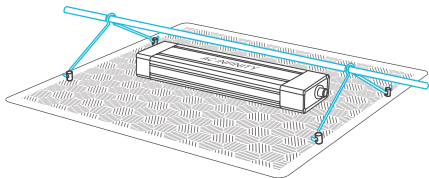
STEP 1

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.



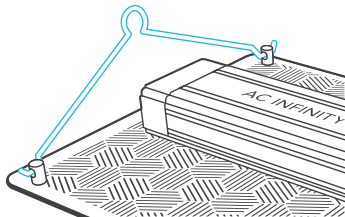
*Two people is recommended for this installation.

INSTALLATION

ROPE CLIP HANGING

STEP 1

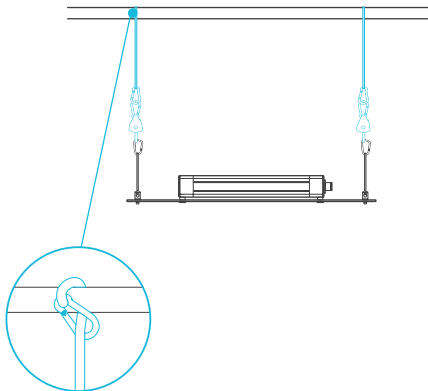
Insert the steel hooks into your grow light's slotted holes of the end caps.



STEP 2

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

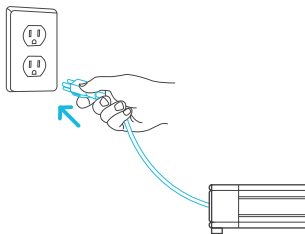
Hook the carabiners into the steel hooks.



POWERING AND SETUP

STEP 1

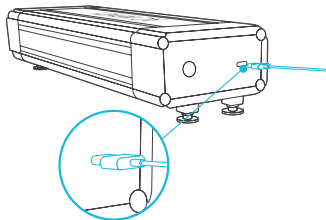
Plug the power cord into an AC power outlet to power your grow light.



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.



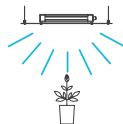
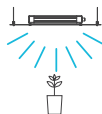
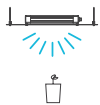
STARTER GUIDE

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. Height refers to distance from the canopy (tip of the plant).

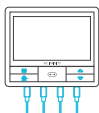
HEIGHT ADJUSTMENT	Seedling Stage	Vegetative Stage	Flowering Stage
Height	3 ft.	2 ft.	1.5 ft.
Intensity	100%	100%	100%



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



ADDING MORE LIGHTS

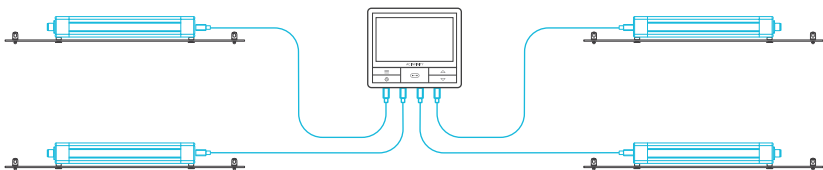


AC Infinity smart controllers are equipped with multiple ports to add more grow lights and share the same programming. Refer to the diagram below to learn how to connect additional units.

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

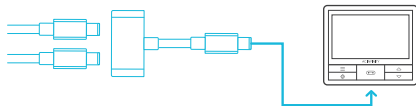
An expansion dongle (sold separately) will allow you to daisy-chain additional grow lights past the number of units your controller can support.

Multi-Light Connection



EXPANSION DONGLE

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



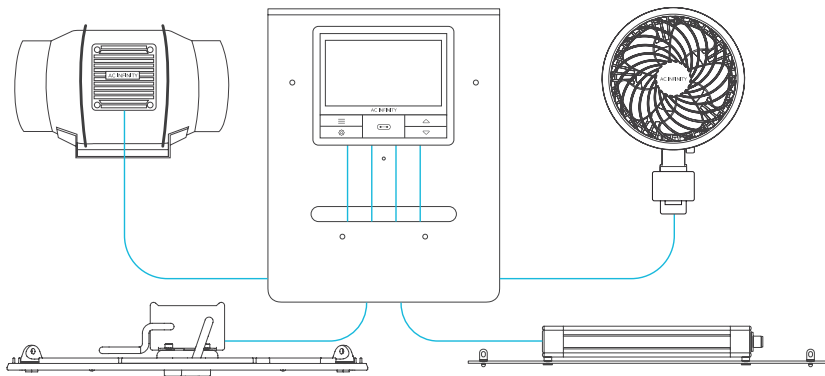
*Smart Controller and dongle are sold separately.

UNIVERSAL INFINITY SYSTEM

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

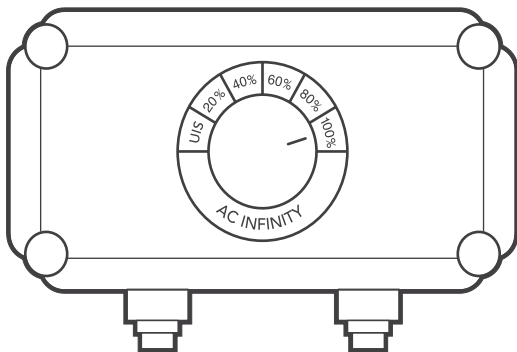
Use select smart controllers to set triggers that will activate your LED grow light based on your grow tent's temperature and humidity. Create independent timers and schedules for customized activation in your desired timeframe.

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



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

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.

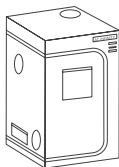
INTENSITY LEVEL

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.



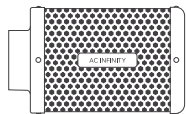
Inline Duct Fans

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.



Discover the latest innovations in cooling and ventilation at acinfinity.com

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 its intended purpose. AC Infinity is not responsible for consequential loss or incidental damages of any nature caused by the product. We will not warrant damage from normal wear such as scratches and dings.

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



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

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