

VIVOSUN



AeroLight SE

USER MANUAL

Love what you grow™

Welcome to **VIVOSUN**

Thank you for choosing VIVOSUN. We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us.

PRODUCTS INCLUDED IN THIS MANUAL:

Product	Model	SKU
Aerolight SE A100	VSA100SE	VSA100SE
Aerolight SE A150	VSA150SE	VSA150SE
Aerolight SE A200	VSA200SE	VSA200SE

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SAFETY INFORMATION



Please read the following information carefully before use. Failure to follow these safety instructions may result in serious injury and will release VIVOSUN of all liability and void all product warranties.

IMPORTANT SAFETY INFORMATION:

Handling: Set up the AeroLight in an operating environment that allows for adequate air circulation. Never allow objects to obstruct or enter the ventilation openings.

For Indoor Use Only: Protect your lights from moisture. Do not expose to dripping water or spray. Do not expose the lights to physical harm such as impacts or severe weather conditions. Acceptable operating temperatures range from -20°C to 40°C (-4°F to 104°F).

Power Cord: Your AC cord has a three-wire grounding plug (a plug that has a grounding pin). This plug fits only a grounded AC outlet. If you're unable to insert the plug into an outlet because the outlet isn't grounded, contact a licensed electrician to replace the outlet with a properly grounded one.

SAFETY INFORMATION

Repairs: If there is something wrong with your light, please contact us. Opening the light to inspect or repair in accordance with VIVOSUN's instructions and express permission will not affect your existing warranty. However, if you disassemble the light or install add-ons inside without express permission from VIVOSUN, you run the risk of damaging your light in a fashion that is not covered by the limited warranty.

Cleaning: When cleaning the outside of your light and its components, first shut down your light, then unplug the power cord. Then dampen a clean, soft, lint-free cloth to wipe the light down. Avoid allowing any moisture in any openings. DO NOT use water or any detergent to clean this product.

Warning: LED may cause eye damage. Avoid looking directly at the lights, when they are turned on. Use shielding and light blocking glasses to protect your eyes.

Warning: DO NOT put things into fan blades.

Warning: DO NOT cover the fan. DO NOT spray on the fan.

Warning: DO NOT put fingers or objects into the gaps between the light boards.
(VSA200SE)

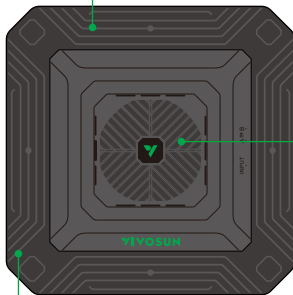
Warning: DO NOT touch the LED diodes when adjusting the light board. DO NOT adjust the angle of the light boards over their limitations. (VSA200SE)

KEY FEATURES

VSA100SE/VSA150SE

2-IN-1 GROW LIGHT

Patented grow light design with integrated highly reliable circulation fan.



SMART CONTROL

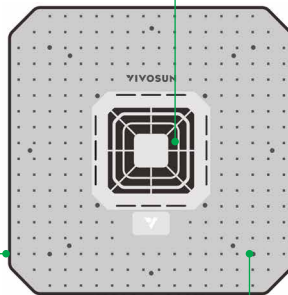
Smart settings for LEDs and fan like sunrise/sunset and natural wind via the GrowHub Controller.

BETTER CIRCULATION

With the central placement of the fan you have better air, CO₂ circulation, and humidity.

UNIFORM LIGHT & AIR

Creative hollow light design and wind guide provide uniform light and wind on plants' canopy.



FULL SPECTRUM

Full-spectrum sunlike lighting; offering more power to your plants and maximum PAR output at various distances.

FR-ENHANCED

High efficient White LED with 660nm Deep Red and 730nm Far Red

KEY FEATURES

VSA200SE

2-IN-1 GROW LIGHT

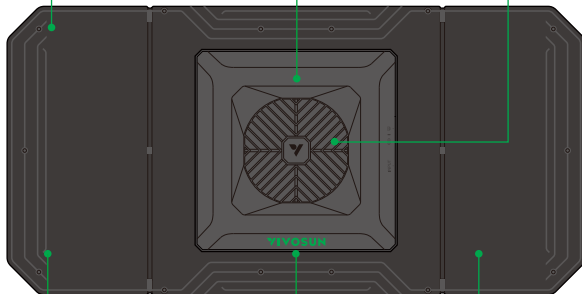
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FULL SPECTRUM

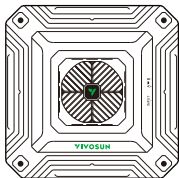
Full-spectrum unlike lighting with far-red lighting; offers greater spectral range and energy conversion for your plants with maximum PAR output at various distances.

FOLDABLE

Foldable design with 2 angle-adjustable wings provides various, flexible light coverage.

PRODUCT CONTENTS

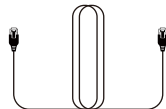
VSA100SE/VSA150SE



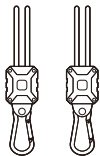
LED Light
x 1pc



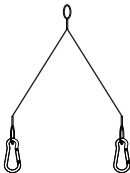
Power Cord
x 1pc



RJ45 Network Cable
x 1pc



Rope Hanger
x 2pcs



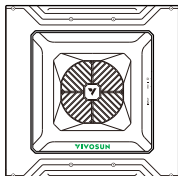
Wire Ropes
x 2pcs



GrowHub E25
Controller
x 1pc

PRODUCT CONTENTS

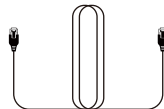
VSA200SE



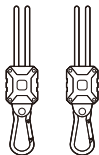
LED Light
x 1pc



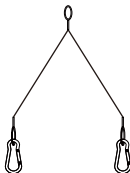
Power Cord
x 1pc



RJ45 Network Cable
x 1pc



Rope Hanger
x 2pcs



Wire Ropes
x 2pcs



GrowHub E25
Controller
x 1pc

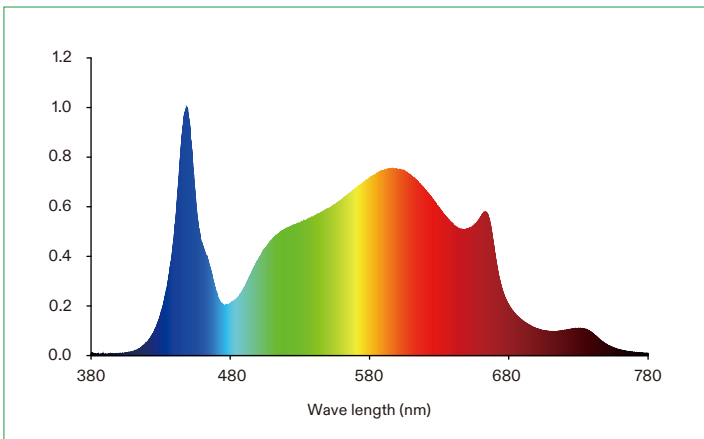
SMART GROW SYSTEM

The VIVOSUN Smart Grow System is a fully automatic grow system empowering growers by making growing easier and more convenient. The system includes the VIVOSUN GrowHub Controller, the VIVOSUN App, the AeroLight, the VS Grow Light series, the AeroZesh, the AeroWave E6 circulation fan, and a number of forthcoming smart devices. The Vivosun SGS provides automatic equipment and climate control, remote monitoring, personalized recipes, all with an intuitive UI, that helps everyone grow what they love.



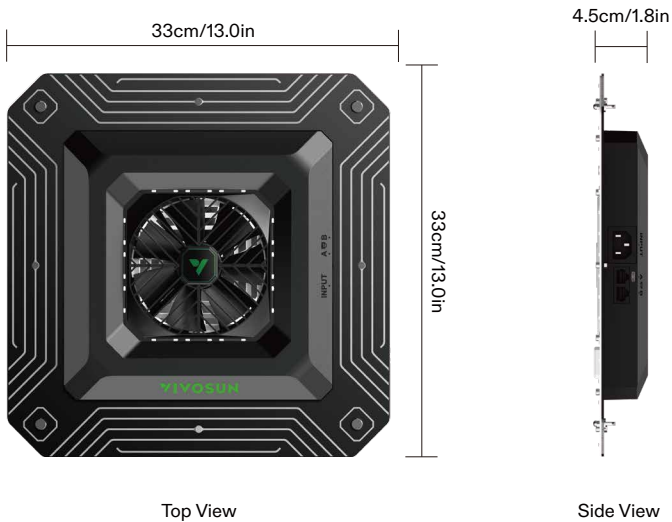
SPECTRUM

The AeroLight SE is a full-spectrum device, covering all stages of plant growth.



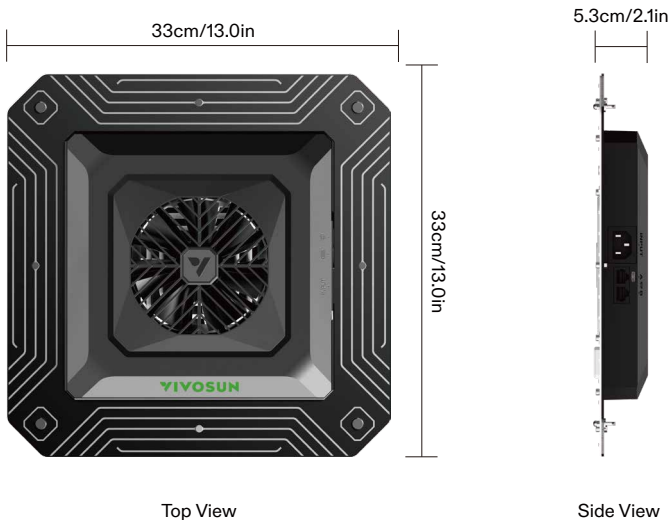
DIMENSIONS

VSA100SE



DIMENSIONS

VSA150SE



DIMENSIONS

VSA200SE



Top View



Side View

SPECIFICATIONS

	VSA100SE	VSA150SE	VSA200SE
LED Source	2835 White with 660nm Deep Red & 730nm Far Red		
Spectrum	Full spectrum; 380nm-780nm, rich 660nm		
Input Voltage	120-240Vac		
Frequency	50-60Hz		
Power Factor	>0.9		
Input Power	100W	150W	200W
Dimensions	13"L x 13"W x 1.8"H 33cm x 33cm x 4.5cm	13"L x 13"W x 2.1"H 33cm x 33cm x 5.3cm	26"L x 13"W x 2.3"H 66cm x 33cm x 5.8cm
Weight	5.1 lb./2.32 kg	5.7 lb./2.58 kg	6.9 lb./3.11 kg
Light Distribution	120°		Adjustable
Dimming	20%-100%/OFF (via GrowHub and VIVOSUN app)		
Multiple Lights Connection	Daisy-chain up to 12 Lights (via GrowHub)		
Lifetime	>50,000 hours		
Certifications	ETL,CE,FCC and IP65		
Warranty	3-Year Standard Warranty		

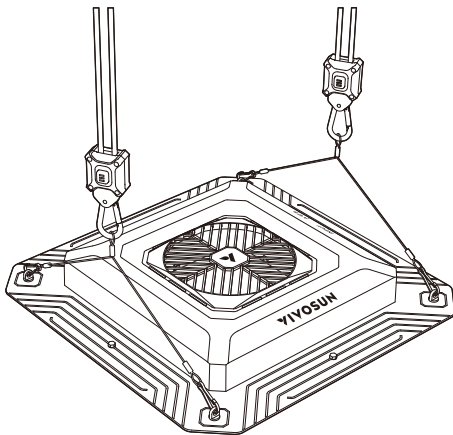
SPECIFICATIONS (BUILT-IN FAN)

Bearing	Dual Ball Bearing
Rated Voltage	12 VDC
Current	0.15A±10%
Power	1.8W±10%
Speed	2200 RPM. (REF.)
Speed Adjustment	0-100% (via GrowHub and VIVOSUN app)
Air Flow	84 CFM
Acoustical Noise	33 dB-A
Certifications	ETL & FCC & CE
Warranty	3-Year Standard Warranty

INSTALLATION

VSA100SE/VSA150SE

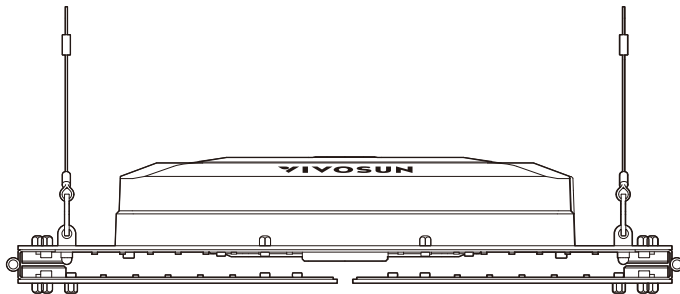
Attach the wire hangers to the frame of the AeroLight SE. Next, clip the carabiners of the rope hangers to the wire hangers. Finally, wrap the opposite end of the rope hangers around a crossbar and clip the carabiner to its respective rope. Adjust the height of your grow light by pressing the buttons on the rope hangers and lifting until you find the correct height for your light.



INSTALLATION

VSA200SE

1. Attach the wire hangers to the frame of the AeroLight SE. Next, clip the carabiners on the rope hangers to the wire hangers. Wrap the opposite end of the rope hangers around a crossbar and clip the carabiner to its respective rope.

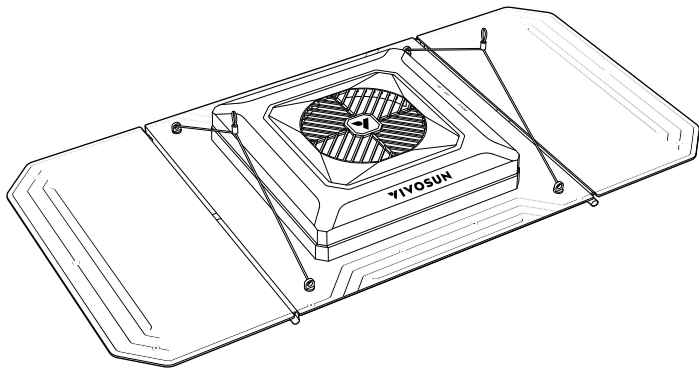


INSTALLATION

VSA200SE

2. Unfold the light board and adjust to an appropriate angle. Adjust the height of your grow light by lifting the rope or pressing the buttons on the rope hangers until the light reach the correct height.

Note: Be careful while you are hanging your light: do not touch the diodes when unfolding the light board. DO NOT adjust the angle of the light board over its limitation – this will damage it and potentially break it.

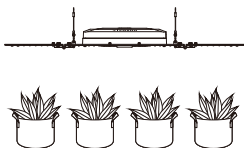


INSTALLATION

VSA200SE

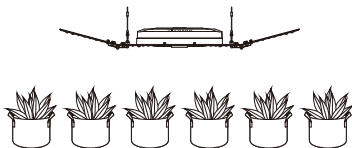
ADJUSTING THE LIGHT DISTRIBUTION

Adjust the angle of the light board on the side to change the light distribution for larger coverage or higher light intensity for different grow stages.



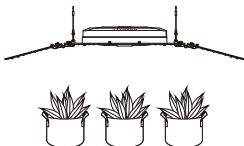
STANDARD

Standard light coverage and uniformity.



WIDTH

Larger light coverage with more light for plants on the sides of your lights through improved coverage area. Better for seedling and vegetative stages of growth.



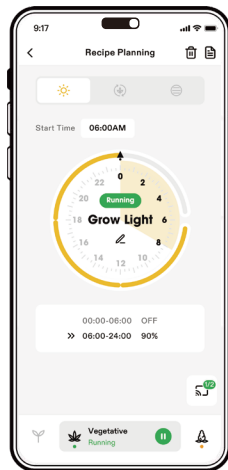
NARROW

Higher light intensity with smaller light coverage. Better for the flowering stage of growth.

INSTALLATION

Search "VIVOSUN" in the Apple App Store or in the Google Play Store to download the VIVOSUN App. With the VIVOSUN App, you can check and control your GrowHub from anywhere in the world—whether you are on your couch, visiting your family, or traveling abroad.

1. Remote control the devices with manual or cycling mode.
2. Grow Recipes: Enables you to set your lights, circulation fans, and duct fans based on different growth stages. The recipes provided in the VIVOSUN App are created by professional growers. All you have to do is click "apply" and then your VIVOSUN setup with take care of the rest.



INSTALLATION

GrowHub E25 Installation

Insert E25 to the type C port of Aerolight SE. E25 will enter Wi-Fi configuration automatically.

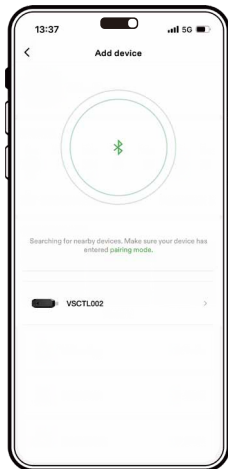


INSTALLATION

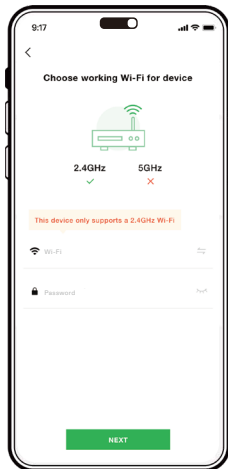
Wi-Fi Configuration

During Wi-Fi configuration, the Green LED will flash quickly. Follow the Wi-Fi configuration process on the VIVOSUN App – Make sure there is a 2.4G Wi-Fi connection and enable Bluetooth on your phone. The controller is not compatible with a 5G Wi-Fi connection.

Step 1:

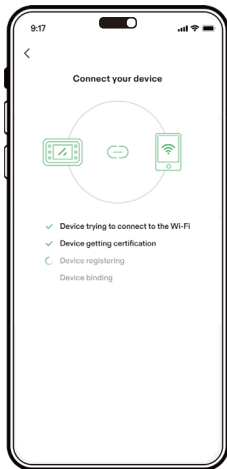


Step 2:

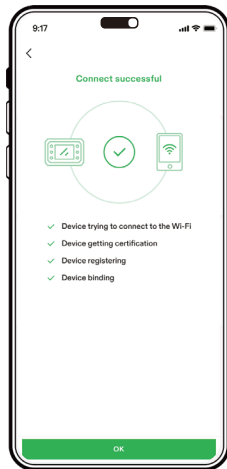


INSTALLATION

Step 3:



Step 4:



INSTALLATION

After Wi-Fi configuration success, the green LED stops flashing and goes off.

If E25 is offline (i.e., no Wi-Fi connection or you do not have internet access), the green LED will flash slowly. It will continue flashing until E25 has a Wi-Fi connection again.

Status Indicator

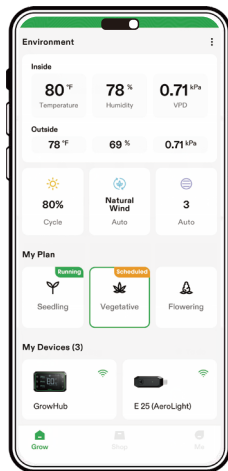
Quick press the button. The green LED will flash slowly 3 times to show it is working.

Reset

Long press the button for 3 second until the green LED is on, then release the button. The green LED will turn off and reset success. E25 will restart and enter Wi-Fi configuration.

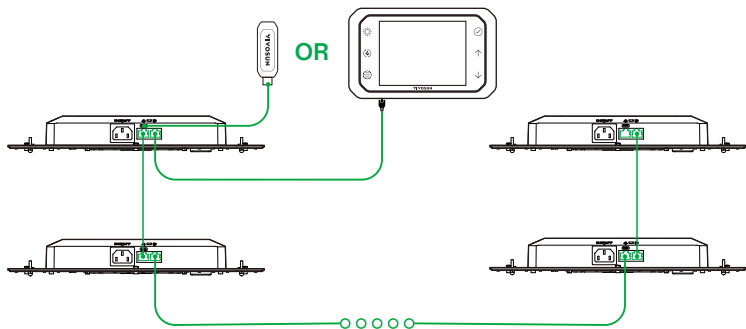
OTA

The green LED will flash fast during OTA.



INSTALLATION

CONNECTION OF CONTROLLER AND MULTIPLE LIGHTS



Connect multiple Aerolight SE lights with RJ45 cables, and the first light to a VIVOSUN GrowHub controller E42 or E25 to control all the lights for dimming, and ON/OFF cycle setting. Each light needs to connect the AC power separately and the GrowHub controller only need to connect to an Aerolight SE to run. Please see the VIVOSUN GrowHub controller E42 manual for information about light control and more if connected to E42.

APPLICATION

SUGGESTED HANGING DISTANCE & SUGGESTED LIGHTING TIME

Stage	Distance		Time
	Inch (In.)	Centimeter (cm.)	
Germination	24-30	61-76	18 Hours ON
Seeding	24-30	61-76	16 Hours ON
Veg	18-24	46-61	18 Hours ON
Flower	12-18	30-46	12 Hours ON
Note: This suggestion is for reference only, and can be freely adjusted according to the actual situation.			

Set the LED power on high and place the light further away from your plants to cover a wider area, or set the LED at a lower power and place the light closer to your plants for less coverage but a more eco-friendly solution.

WARRANTY INFORMATION

WARRANTY TERMS

1. We offer a 3-year warranty against manufacturing defects for all of our products from the date of purchase. If you need warranty assistance, please contact us as soon as possible.
2. The warranty does not cover damage due to high moisture levels, water damage, power surges, improper hanging/mounting, improper use, dust build-up, or users' unauthorized modifications.
3. In the USA, if any light ceases working within 30 days of use, you can choose:
 - (A) Exchange: We will email you a pre-paid return label. Please ship the light back to our USA warranty center and a replacement will be sent to you free of charge as soon as we receive the defective product.
 - (B) Refund: We will email you a pre-paid return label. Please ship the product to our USA warranty center and we will issue a refund as soon as the light has been received. Refund periods may depend on the processing time of your bank or institution—usually, a refund takes about 5 business days to be processed.
4. Our company reserves all rights to the final explanation of this warranty structure. If you have any questions about our warranty policy, please contact us.

FCC ID STATEMENT

The GrowHub E25 controller complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Designed by **VIVOSUN** in California.
Assembled in PRC.