

# VIVOSUN



## AeroWave E Series USER MANUAL

# Love what you grow™

Welcome to **VIVOSUN**

At VIVOSUN, quality craftsmanship and innovation are at the core of every product we create. Should you require further support or wish to share any suggestions, please don't hesitate to contact us.

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# SAFETY INFORMATION



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

## IMPORTANT SAFETY INFORMATION:

**This fan is designed to operate exclusively with the provided power adapter.**

**Do not attempt to use the fan with any other power source or adapter.**

**Using unauthorized power supplies can damage the fan and pose potential safety hazards.**

1. Keep the fan out of the reach of children.
2. Always turn off the fan and unplug it from the power outlet before moving it.
3. Make sure the fan is installed in a firm and stable position - this will help protect it from falling.
4. Do not put your fingers, pens, or other objects into the front cover while the fan is on.
5. Make sure to unplug the power adapter before cleaning the unit.
6. Never touch the plug or outlet if your hands are wet.
7. For your safety, always use the fan with the front cover installed.
8. To prevent damage and potential fire hazards, keep this product away from fabrics such as curtains or tablecloths. Loose fabric may be drawn into the fan, causing malfunction and overheating.

# SAFETY INFORMATION

9. Do not place any part of this product near sources of high heat such as stovetops or fireplaces.
10. Do not cover the power cable with carpets, electrical equipment, or any other objects. Do not pass the power cable beneath hot objects or other electrical equipment.
11. Make sure the mains voltage and frequency are within the range as indicated on the power adapter before plugging in this device.
12. Do not place the device in the microwave.
13. For indoor use only. Do not operate outdoors or place near open windows. Exposure to rain or moisture can create an electrical hazard.
14. Do not immerse or expose the fan, power cord, or adapter to water or other liquids. Do not use the fan near bathtubs, showers, swimming pools, or anywhere water may splash.
15. If the cord or adapter shows any signs of damage, discontinue use immediately. Do not attempt to repair it yourself. For repair or replacement, contact the manufacturer, an authorized service agent, or a qualified electrician.
16. **Use only the cable that came with the device. Do not use any third-party USB-C cables that are not specifically rated for this device.**

# SAFETY INFORMATION

The fan's motor circuit board includes an overcurrent protection component. If the motor draws too much current due to an unexpected surge or internal issue, this component triggers an automatic shutoff. This prevents the motor from overheating, which could lead to deformation or fire.

## What to Do After Shutoff:

- **Identify the Cause:** Before restarting the fan, identify and resolve the source of the electrical overload. This could be a temporary power surge or a potential issue with the fan itself.
- **Restarting the Fan:** Once the source of the overload is resolved, unplug the fan for a few seconds and then plug it back in to restart.
- **Warranty Support:** If the fan continues to shut off unexpectedly after troubleshooting, please contact us for warranty support.



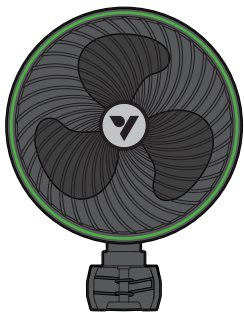
DO NOT dispose of this product with your regular trash. Electrical appliances contain hazardous materials that can harm the environment if not disposed of properly.

Please contact your local government for information on nearby drop-off centers or recycling programs that accept electronic waste.

# KEY FEATURES

## DUAL BALL BEARING EC MOTOR

Equipped with a highly reliable, efficient, and advanced EC motor.



## VIVOSUN SGS COMPATIBLE

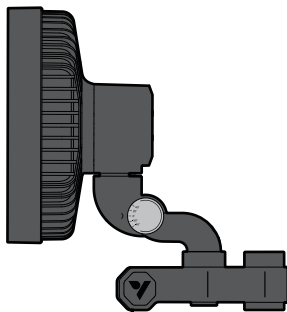
Compatible with VIVOSUN Smart Grow System for precise, remote, and intelligent control.

## EXTERNAL POWER SUPPLY

The low-voltage external power adapter ensures safe operation while minimizing fan weight and heat generation.

## PATENTED SQUARE CLIP

Specialized square clip allows this fan to mount to any shape of pole without the risk of slipping.



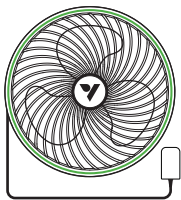
## PWM SMART CONTROL

PWM tuning enables precise fan speed control at each level and features a dedicated natural wind mode.

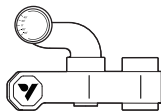
## SLIM BASE

Features a minimized base design that is highly efficient and maximizes airflow.

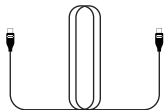
# PRODUCT CONTENTS



Fan  
x 1pc



Clip  
x 1pc



Type-C Extension cable  
x 1pc



Cable Tie  
x 3pcs



Wire Tie  
x 1pc



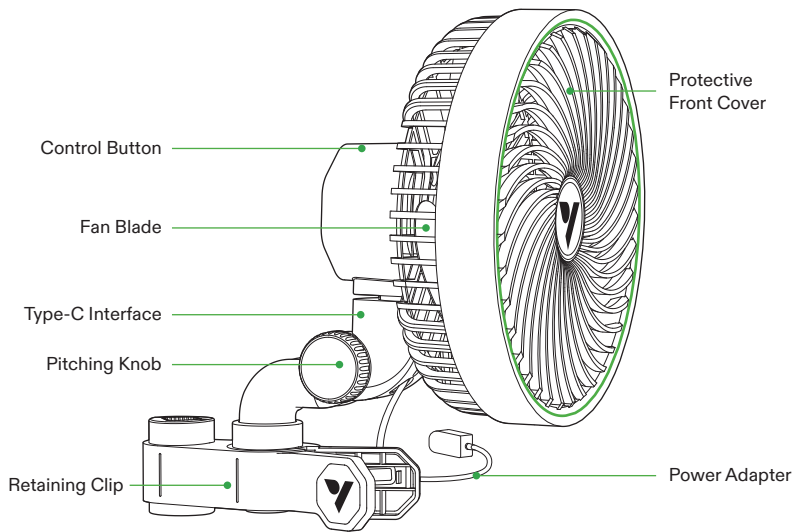
# SPECIFICATIONS

|  | VSF-AWE6          | VSF-AWE9          |
|--|-------------------|-------------------|
| <b>Diameter</b>                        | 6 in. / 152 mm    | 9 in. / 228 mm    |
| <b>Color</b>                           | White/Black/Green | White/Black/Green |
| <b>Number of Speed Settings</b>        | 5                 | 5                 |
| <b>Engine</b>                          | EC-motor          | EC-motor          |
| <b>Auto Oscillation</b>                | √                 | √                 |
| <b>Horizontal Oscillation</b>          | 90°(±45°)         | 80°(±40°)         |
| <b>Vertical Angle Adjustment Range</b> | 80°               | 80°               |
| <b>Power Usage</b>                     | 12W               | 18W               |

# SPECIFICATIONS

|                              | VSF-AWE6            | VSF-AWE9            |
|------------------------------|---------------------|---------------------|
| <b>Power Drive</b>           | 12V/1.0A            | 12V/1.5A            |
| <b>Input</b>                 | 100-240V AC 50/60Hz | 100-240V AC 50/60Hz |
| <b>Warranty</b>              | 2 years             | 2 years             |
| <b>Airflow</b>               | 320 CFM             | 580 CFM             |
| <b>Noise Level</b>           | 33 dB(A)            | 36 dB(A)            |
| <b>Waterproof Rating</b>     | IP54                | IP54                |
| <b>Operating Temperature</b> | 32-140°F / 0-60°C   | 32-140°F / 0-60°C   |
| <b>Power Cord Length</b>     | 100 in. / 254 cm    | 100 in. / 254 cm    |

# PRODUCT ANATOMY

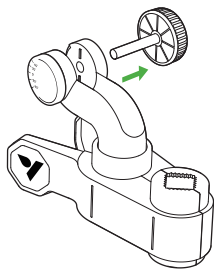


# INSTALLATION

## STEP 1

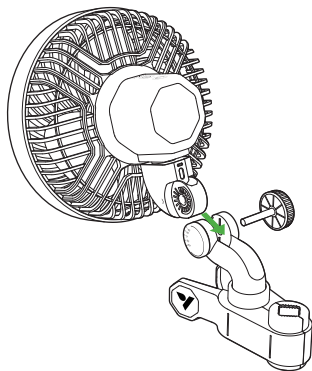
Rotate the knob counter-clockwise until it detaches from the grip clip.

Pull the smaller button piece away from the grip.



## STEP 2

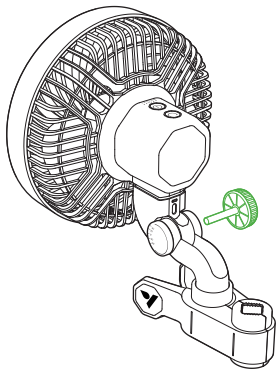
Slide the fan's attachment piece into the body of the swivel clip. Ensure that the fan is securely attached by opening the swivel clip around the fan.



# INSTALLATION

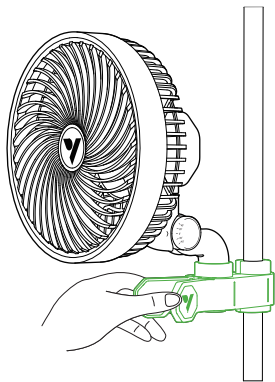
## STEP 3

Push the pitching knob through the shaft hole and retighten clockwise.



## STEP 4

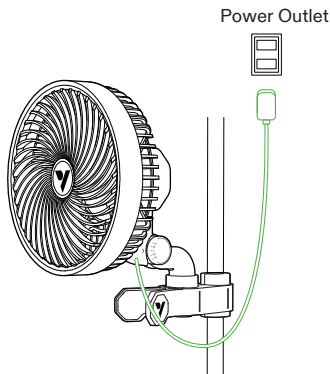
Clip your fan onto your tent pole or another pole and ensure that it is securely attached.



# INSTALLATION

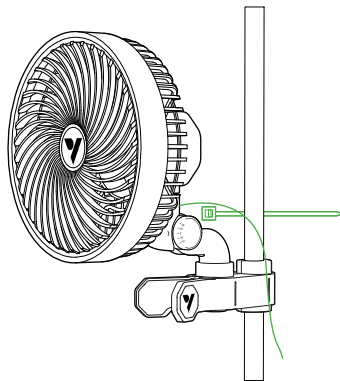
## STEP 5

Plug the power adapter into an outlet.



## STEP 6

Find a clean and secure surface where you can attach the fan. Once the mounting point is secure, use the included zip tie to bundle the cable and fasten it to the designated location.

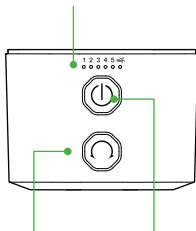


# LOCAL OPERATION

## ADJUSTING FAN SPEED

1. Press the speed button once to turn the fan on.
2. Press the button repeatedly to cycle through the speed levels (Level 1 to 5).
3. Natural Wind Mode: After reaching Level 5, another press will switch the fan to the natural wind mode.
4. Power Off: Pressing the button again after natural wind mode will turn the fan off.

Fan Speed Indicator

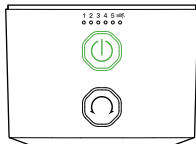


Swivel Button Speed Button

## POWERING ON/OFF

Long press the speed button for 4 seconds to turn the fan off.

Press the speed button again to turn the fan on and restore it to the last speed setting before it was turned off.



# LOCAL OPERATION

## AUTO OSCILLATION

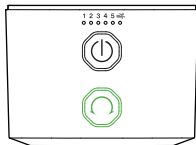
To produce a wide-angle airflow, press the swivel button while the fan is running to start the automatic oscillation. Press the swivel button again to stop oscillation.

Auto oscillation can only be activated/deactivated by the swivel button, and cannot be controlled by external controllers or the VIVOSUN app.

Oscillation Off: If the oscillation function is turned off on the fan itself, it will not oscillate even when your controller sets it to oscillate.

Oscillation On: When the oscillation function is turned on on the fan, it will oscillate during periods set by your controller.

**Warning: 24-hour oscillation may reduce the lifespan of the clip fan.**







AeroZesh



AeroLight



AeroStream



Control Directly & Wirelessly



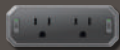
AeroWave



Grow Light



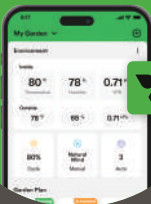
Control Wirelessly



Control Wirelessly



Aerolab



### GrowHub™

Select one or more GrowHub controllers to connect your devices.



Connect & Control other brand devices using GrowHub



ON/OFF control on general devices

# VIVOSUN



## Smart Grow System

Connect all devices through GrowHub & the APP

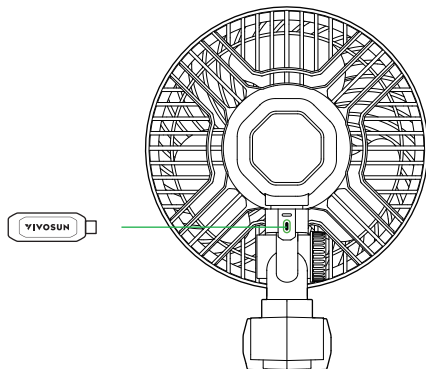
# CONTROLLER SETUP

## GROWHUB CONTROLLER E25

**Insert the Cable:** Plug the E25 cable into the Type-C port on your AeroWave. The device will automatically enter Wi-Fi configuration mode. During this process, the green LED on the AeroWave will flash rapidly.

**Mobile App Setup:** Open the VIVOSUN app on your smartphone or tablet and follow the on-screen instructions to complete the Wi-Fi configuration and connect to your AeroWave.

**NOTE:** To ensure compatibility with AeroWave, please update the firmware on your GrowHub E25 controller to version 1.3.3 or later.



# CONTROLLER SETUP

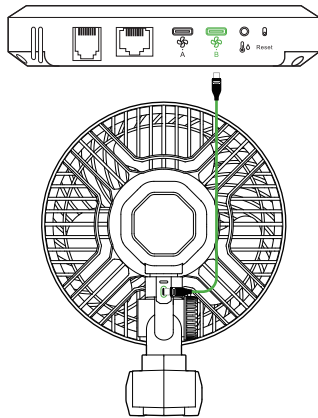
## GROWHUB CONTROLLER E42/E42A

Connect the Type-C extension cord into the Type-C port on your AeroWave. Then plug the other end into Port B on the GrowHub E42/E42A controller.

Mobile App Setup: Open the VIVOSUN app on your smartphone or tablet and follow the on-screen instructions to complete the Wi-Fi configuration and connect to your AeroWave.

**NOTE:** AeroWave E functionality is limited to Port B on the GrowHub controller.

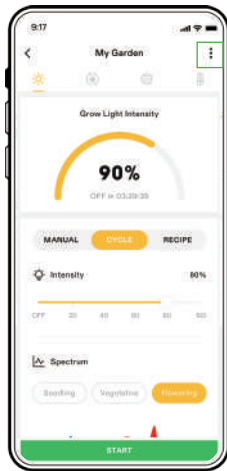
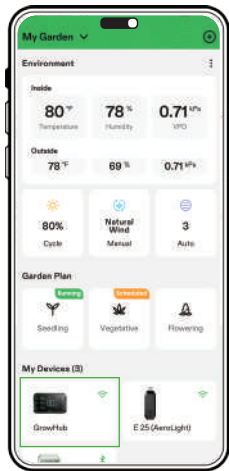
For AeroWave E to be controllable by GrowHub E42/E42A, ensure your controller's firmware is updated to the following versions:  
GrowHub E42: Firmware version 2.0.8 or later  
GrowHub E42A: Firmware version 1.6.0 or later



# CONTROLLER SETUP

## STEP 1

In VIVOSUN APP, select your GrowHub E42/E42A and enter settings by tapping the top right button ⋮.

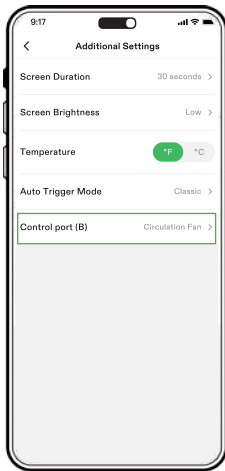
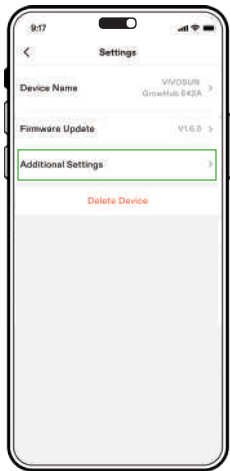


# CONTROLLER SETUP

## STEP 2



Click "Additional Settings" to view Control Port B settings.

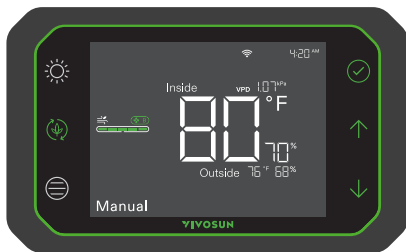
Set Control port (B) to Circulation fan. Now you can control AeroWave through GrowHub E42/E42A and the VIVOSUN app.



# CONTROLLERS CONNECTION

## SET LOCALLY ON E42A

You can also set AeroWave E locally on E42A. Long press  to switch port B to the circulation fan control and the  icon will display. Now you can control AeroWave E locally.



**Note:** AeroWave fan indicators will turn off after AeroWave is successfully connected to GrowHub controller E25/E42/E42A . Once your AeroWave is connected to the GrowHub controller or the VIVOSUN app, you can control the fan speed through either method:  
GrowHub Controller: Use the controls on your GrowHub controller to adjust the fan speed.  
VIVOSUN App: Open the VIVOSUN app on your smartphone or tablet and adjust the fan speed settings within the app.

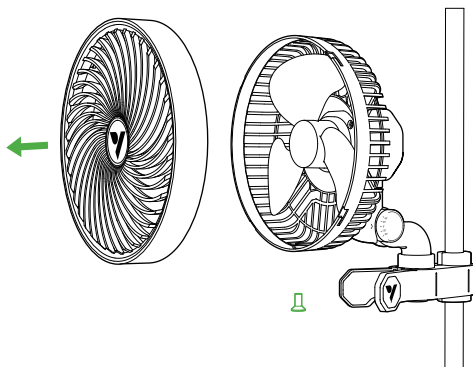
# MAINTENANCE

Always unplug the power adapter from the outlet before cleaning the fan. Never clean the fan while it is running.

## Step 1

Disassemble the fan as follows before you clean the device.

1. Loosen the fastening screws at the bottom of the front cover by turning them counterclockwise with a screwdriver.
2. Rotate the front cover by turning it counterclockwise;
3. Gently pull the front cover off the body;



# MAINTENANCE

## Step 2

Clean any oil, dust, and grime by wiping the blades and parts down with a soft, wet cloth and then wipe it with a dry cloth. Do not use gasoline or other plastic/paint-corrosive solvents. Do not bend or press the device too hard while cleaning as this can damage the blades.

## Step 3

Follow Step 1 in reverse to reassemble the fan.



# COMPLETE YOUR SETUP



## CONTROLLER

GrowHub E42 & E25 & E42A

- WiFi remote control with VIVOSUN App
- Complete control of lights, inline fans and circulation fans
- Temp./Humidity monitoring and control
- Compatible with VIVOSUN devices such as AeroLight, AeroZesh, VS series lights
- Professional controller designed for growers of all levels

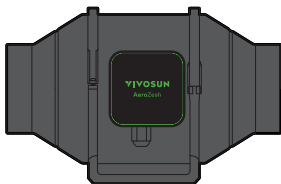


## LED GROW LIGHT

AeroLight / VS / VSX / VSF

- 100W-645W high-powered LED grow light
- High PPE efficacy with Samsung LED
- Full spectrum included FR / UV
- 0-100% dimming with daisy-chain capability
- ETL / CE / FCC certified
- Compatible with GrowHub controller

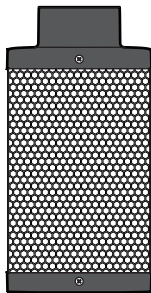
# COMPLETE YOUR SETUP



## INLINE DUCT FAN

### AeroZesh

- Efficient airflow with high static pressure
- 4" / 6" / 8" for different sized tents
- Energy efficient and quiet EC motor
- Dual ball bearings with long lifespan
- Precise fan speed adjustment by PWM
- Compatible with GrowHub controller for multiple professional operation modes



## CARBON FILTER

- Eliminates odors and refreshes air
- Premium-grade Australian charcoal
- High absorption efficiency and long lifespan
- 4" / 6" / 8" compatible with different inline fans

# WARRANTY INFORMATION

VIVOSUN provides a 2-year warranty against defects on all AeroWave E Series products purchased directly from us or through our authorized dealers. This policy serves as our commitment to promptly address any manufacturing defects or premature breakage that may occur during normal use of our products.

Our warranty covers the replacement or refund of purchases that exhibit material defects within two year of the original purchase date. In such events, customers may contact us to initiate the claim process. We will need proof of purchase to verify coverage eligibility.

This policy does not extend to products that have been misused, abused, or purposefully damaged. It also does not cover normal wear and tear or cosmetic defects such as minor scratches.

Customers can rest assured knowing that our products undergo rigorous quality testing procedures. This two-year warranty reflects our confidence in the durability of our products under normal use.

If any product defects are found, customers are encouraged to contact us immediately. Your satisfaction is our priority, and we are committed to resolving any issues in a professional and timely manner.

Designed by **VIVOSUN** in California.  
Made in China