Spider Farmer 6 inch inline fan with speed contoller

Spider Farmer Air Filtration Kit 6 Inch User Manual

Model: 6 inch inline fan with speed contoller



Image: Spider Farmer brand logo with the slogan "Make Growing Easier and Better."

1. Product Overview

The Spider Farmer 6-inch Air Filtration Kit is a comprehensive ventilation system designed for grow tents, hydroponics, and indoor gardening. It provides efficient air circulation and odor control, ensuring an optimal environment for plant growth. The kit includes an inline duct fan, a carbon filter, and flexible ducting, along with a smart controller for advanced environmental management.



Image: A complete view of the Spider Farmer 6-inch Air Filtration Kit, showcasing the inline fan, carbon filter, flexible ducting, RJ12 speed humidity controller, timer, and clamps.

2. Components Included

- **6-Inch Inline Duct Fan:** Features an EC motor for energy efficiency, 402 CFM airflow, and low noise operation (32 dB). Equipped with lightweight ABS blades for enhanced airflow.
- **RJ12 Speed Humidity Controller:** Allows for precise control of fan speed and humidity settings. Compatible with GGS Controller and Power Strip for intelligent remote control via the Spider Farmer App.
- **Carbon Filter:** Heavy-duty construction with stainless steel flanges. Utilizes RC412 activated carbon for superior odor control with a 38mm thick carbon layer. Includes a pre-filter.
- **25 Ft Flexible Ducting:** Made of high-quality aluminum and PVC with a double-layer design and steel wire reinforcement for durability.
- **Stainless Steel Clamps:** Sturdy and corrosion-proof for secure installation.
- **24-Hour Plug-in Timer:** For automated on/off scheduling.

- **Thermo-Hygrometer:** Displays temperature and humidity, with a range of -50°C to 70°C (-58°F to 158°F) and 10% to 99% RH.



Image: Technical specifications and dimensions of the inline fan, power cord, and RJ12 controller cord.

3. Setup & Installation

Proper installation is crucial for optimal performance. Follow these general guidelines:

1. **Assemble Fan and Filter:** Connect the carbon filter to one end of the inline duct fan using a stainless steel clamp. Ensure a tight seal to prevent air leaks.
2. **Attach Ducting:** Connect the flexible ducting to the other end of the fan (for exhaust) or to the filter (for intake) using another clamp.
3. **Positioning:**
    - For exhaust, place the filter inside the grow tent and the fan outside or suspended within.
    - For intake, the filter can be placed outside the tent, drawing fresh air in.

4. **Mounting:** Use the provided adjustable straps to securely hang the fan and filter assembly within your grow space. Ensure it is stable and not obstructing airflow.
5. **Controller Connection:** Connect the RJ12 speed humidity controller to the fan.
6. **Power Connection:** Plug the fan into a power outlet.

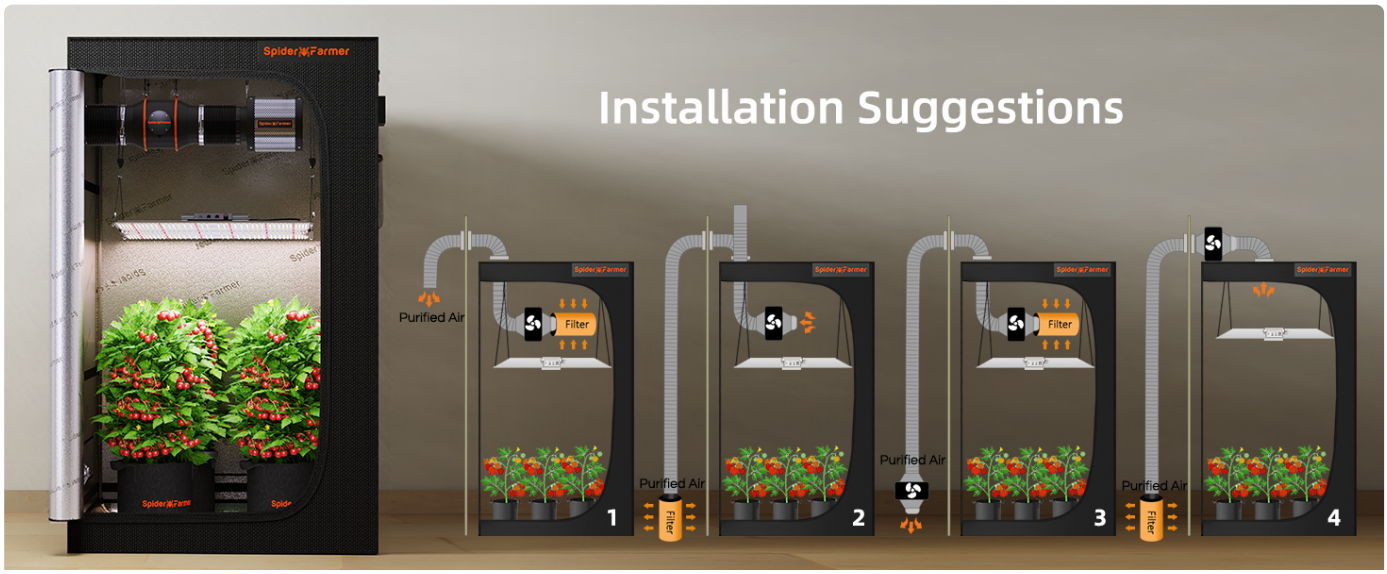


Image: Visual guide showing four different suggested installation setups for the Spider Farmer air filtration kit within a grow tent, demonstrating exhaust and intake configurations.



Image: Close-up of the carbon filter with adjustable straps, highlighting their ease of installation and height adjustment.

4. Operating Instructions

The Spider Farmer Air Filtration Kit offers versatile control options via the RJ12 Speed Humidity Controller and the Spider Farmer App (when connected to a GGS Controller or Power Strip).

4.1 App Control (with GGS Controller/Power Strip)

Connect your fan to a GGS Controller or Power Strip via the RJ12 cord to enable intelligent remote control and automation through the Spider Farmer App.



Image: The Spider Farmer app interface on a smartphone, demonstrating various control features for the inline fan, including manual and automatic modes, and environmental settings.



Image: Illustration of how the inline fan connects to either a GGS controller or a power strip using an RJ12 cord for intelligent control via the app.

Manual Mode

In Manual Mode, you have direct control over the fan's speed. Tap the center button in the app to turn the fan on or off. The fan operates at a minimum speed of 25%. You can fine-tune the speed by tapping, dragging the circular slider, or using the plus (+) and minus (-) buttons. A switch for your CO2 device is also available at the bottom of this screen.

Your browser does not support the video tag.

Video: Demonstrates how to control the Spider Farmer inline fan using the mobile app, specifically focusing on Manual Mode, adjusting fan speed, and toggling the CO2 device.

Time Slot Mode

This mode allows you to schedule specific start and stop times for the fan's operation. You can set your desired running speed and a standby speed. The CO2 device can also be toggled as needed within this mode.

Refer to the video above for a visual demonstration of Time Slot Mode settings within the app.

Cycle Mode

Cycle Mode provides granular control over fan operation by allowing you to set the duration the fan runs, how long it pauses, and the number of times the cycle repeats. This is ideal for precise environmental control.

Refer to the video above for a visual demonstration of Cycle Mode settings within the app.

Environmental Mode (Env. Mode)

In Environmental Mode, the fan automatically adjusts its operation based on target environmental parameters. You can prioritize either humidity or temperature, and the inline fan will automatically adjust its speed to maintain your set targets.

Refer to the video above for a visual demonstration of Environmental Mode settings within the app.

4.2 Manual Control (GGS Controller)

For situations where app control is not convenient or Wi-Fi is unstable, you can directly control the fan using the GGS controller. The functions and setup process on the controller mirror those in the app. Simply turn the dial and press to adjust settings.



Image: A detailed view of the GGS Speed Controller, highlighting its dial for customization and its 8.2 ft long control cord.

Refer to the video above for a visual demonstration of manual control using the GGS controller.

5. Maintenance

Regular maintenance ensures the longevity and efficiency of your air filtration kit.

- **Carbon Filter:** The carbon filter is designed for supreme odor control. Its reversible flange can double the life of the

filter. The included pre-filter captures larger particles, extending the life of the activated carbon. Regularly check and clean or replace the pre-filter as needed.

- **Fan Blades:** Periodically inspect the fan blades for dust and debris buildup. Clean gently with a soft cloth to maintain optimal airflow.
- **Ducting:** Ensure the flexible ducting remains free of kinks or tears that could impede airflow.



Image: Exploded view of the premium carbon filter, detailing its components like the reversible flange, RC412 activated carbon, inner and outer mesh, and the included pre-filter.

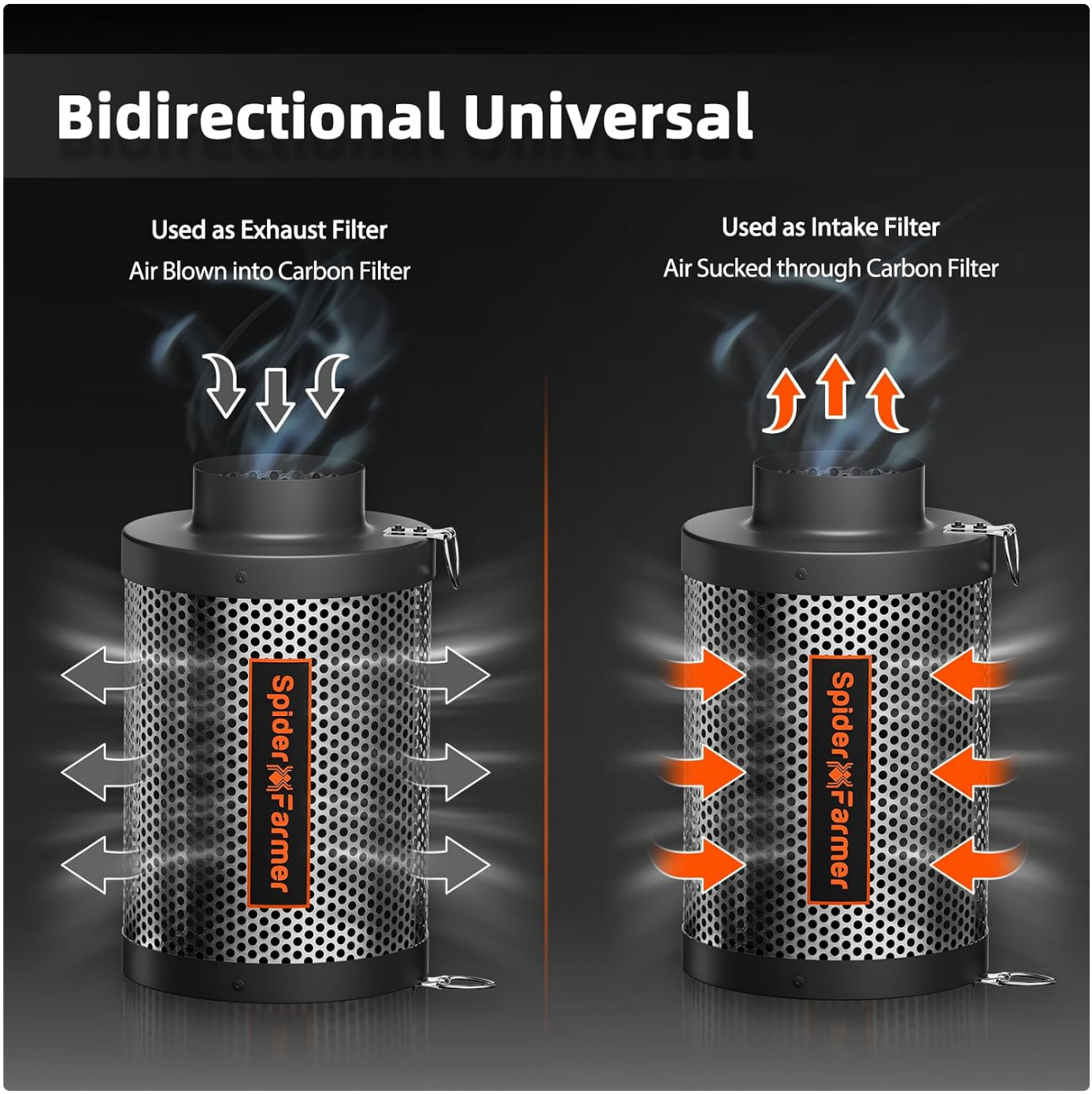


Image: Illustration of the bidirectional universal design of the carbon filter, showing how it can be used for both air exhaust (air blown into filter) and air intake (air sucked through filter).

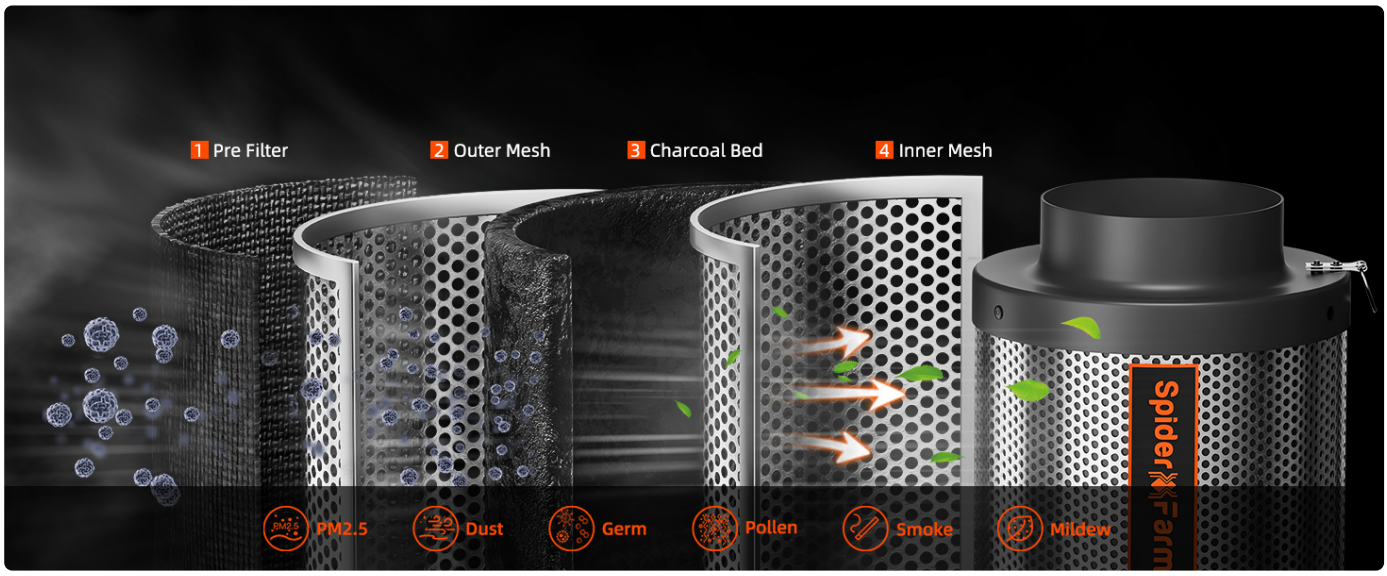


Image: A cross-section diagram illustrating the four layers of the filter: Pre Filter, Outer Mesh, Charcoal Bed, and Inner Mesh, along with the types of airborne particles they are designed to remove.

6. Troubleshooting

If you encounter issues with your Spider Farmer Air Filtration Kit, consider the following common troubleshooting steps:

- **Fan Not Turning On:**
  - Check if the fan is properly plugged into a working power outlet.
  - Ensure the controller is connected correctly and powered on.
  - Verify that the fan is not in an "Off" state in Manual Mode or that the scheduled time in Time Slot Mode is active.
- **Low Airflow:**
  - Inspect the carbon filter and pre-filter for excessive dust or blockage. Clean or replace as necessary.
  - Check the ducting for kinks, tears, or obstructions.
  - Ensure the fan speed setting is appropriate for your needs.
- **Persistent Odors:**
  - Confirm the carbon filter is correctly installed and sealed.
  - Check if the carbon filter needs replacement. Activated carbon has a finite lifespan.
  - Ensure the fan is running at an adequate speed to process the air volume.
- **Unusual Noise:**
  - Verify that the fan and ducting are securely mounted and not vibrating against surfaces.
  - Check for any loose components or debris inside the fan housing.
- **App Connectivity Issues:**
  - Ensure your GGS Controller or Power Strip is properly connected to Wi-Fi.
  - Restart the app and/or the controller.
  - Check for app updates.

7. Specifications

Feature	Specification
Product Dimensions	26.69 x 11.61 x 14.29 inches
Item Weight	16.06 pounds
Duct Size	6 Inch / 150 mm
Power	62W ± 5%
Airflow	402 CFM
Noise Level	32 dB(A)
Fan Speed	3000 RPM

Voltage	AC 110-240V
Item Model Number	6 inch inline fan with speed contoller
Controller Cord Length	8.2 ft (2.5m)
Power Cord Length	4.9 ft (1.5m)
Ducting Length	25 ft (7.6m)



Image: Visual representation of the fan's 402 CFM airflow and a noise level comparison chart, indicating 32 dBA for the 6-inch fan.

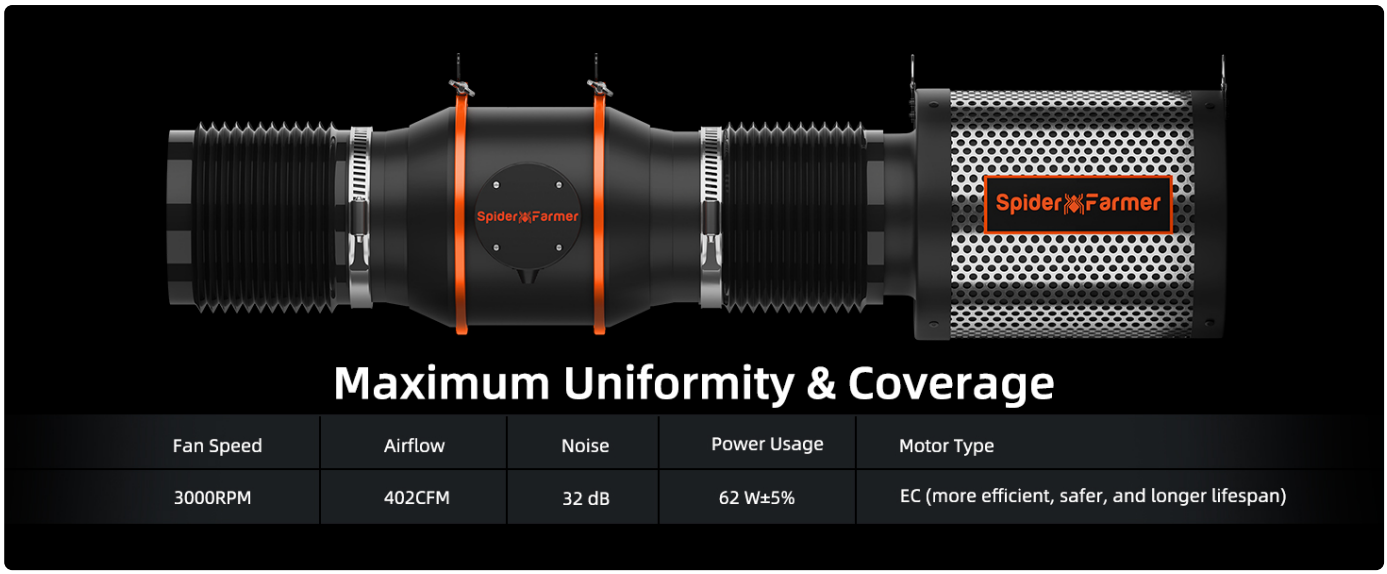


Image: A table providing key performance metrics for the fan, including fan speed (3000 RPM), airflow (402 CFM), noise (32 dB), power usage (62W±5%), and motor type (EC).

8. Warranty & Support

For warranty information, technical support, or any inquiries regarding your Spider Farmer Air Filtration Kit, please refer to the official Spider Farmer website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Visit the official Spider Farmer Store:Spider Farmer Store

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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