Spider Farmer SF2000Kits

Spider Farmer 2x4 EVO Complete Grow Tent Kit SF2000 Instruction Manual

Model: SF2000Kits

1. Product Overview

The Spider Farmer 2x4 EVO Complete Grow Tent Kit SF2000 is designed to provide a comprehensive and efficient environment for indoor plant cultivation. This kit includes a durable grow tent, a high-efficiency LED grow light, a powerful ventilation system, and essential accessories to support plant growth from germination to flowering.

Key Components:

- **Grow Tent:** Heavy-duty 1680D Oxford cloth exterior with 100% reflective Mylar interior for maximum light efficiency. Features reliable SBS zippers and double stitching for durability and light protection.
- **LED Grow Light (SF2000):** Equipped with Samsung LM301H EVO LEDs, offering high efficiency (3.14 µmol/J PPE) and a potent blue spectrum. Dimmable with multi-light connection capability.
- **Ventilation System:** Quiet and powerful 4-inch inline fan, RC412 Australian carbon filter, and flex aluminum ducting for strong airflow and odor removal.
- **Clip Fan:** Customizable 7-speed clip fan (0-2500 RPM) for air circulation and cooling.
- **Accessories:** Includes 5-gallon grow bags, trellis plant netting, YO-YO hangers, hose clamps, corner shelves, and a temperature/humidity monitor.



Figure 1: All components included in the Spider Farmer 2x4 EVO Complete Grow Tent Kit.

2. Setup Instructions

Follow these steps to assemble your grow tent kit. It is recommended to have a clear, flat surface for assembly.

2.1. Grow Tent Assembly

1. Unpack all tent frame components (poles and corner connectors).
2. Assemble the base frame by connecting the shortest poles to the corner connectors.
3. Attach the vertical poles to the base frame.
4. Assemble the top frame similar to the base and connect it to the vertical poles.
5. Carefully drape the tent fabric over the assembled frame, ensuring all corners and zippers align.
6. Zip up the tent completely.
7. Install the support bars inside the tent for hanging equipment.



Figure 2: Grow tent frame assembly diagram.

2.2. Inline Fan and Carbon Filter Installation

The ventilation system is crucial for air circulation and odor control.

1. Hang the inline fan securely from the tent's support bars using the provided straps.
2. Attach the carbon filter to one end of the inline fan.
3. Connect the flex aluminum ducting to the other end of the inline fan and route it through one of the tent's exhaust ports. Secure with hose clamps.
4. Ensure all connections are tight to prevent air leaks.



Figure 3: Inline fan motor details.



Figure 4: Carbon filter components and function.

2.3. LED Grow Light Installation

Proper light placement is vital for plant development.

1. Attach the hanging wires to the corners of the SF2000 LED grow light.
2. Use the provided YO-YO hangers to suspend the light from the tent's support bars.
3. Adjust the height of the light according to the plant's growth stage (refer to Operating Instructions).
4. Connect the power cord to the light and plug it into a suitable power outlet.



Figure 5: SF2000 LED Grow Light in operation.

2.4. Clip Fan Installation

Ensure good air movement around your plants.

1. Attach the clip fan to one of the tent's vertical poles.
2. Position the fan to provide gentle air circulation without directly blowing on plants.
3. Plug the clip fan into a power outlet.



Figure 6: SF-CLIPFAN6 Clip Fan features.

2.5. Video Guide: Quickly Set Up Your Grow Tent Kit

This video provides a step-by-step guide on how to quickly set up your Spider Farmer grow tent kit, including tent assembly, fan, filter, and light installation.

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3. Operating Instructions

3.1. LED Grow Light Operation

The SF2000 LED grow light features a dimming knob and a dimmer button for precise control.

- **Dimming Knob:** Adjusts light intensity from 0% to 100%. Turn to 'OFF' to power off the light.
- **Dimmer Button:** 'DIM' enables dimming, 'EXT' disables dimming (for external controller use).

Refer to the table below for recommended light distance, dimming, and time settings for different growth stages:

Growth Stage	Distance (Inches)	Dimming (%)	Time (ON/OFF)
Germination	24"-30"	50%	18 HR ON/6 HR OFF

Growth Stage	Distance (Inches)	Dimming (%)	Time (ON/OFF)
Seedling	24"	50-75%	18 HR ON/6 HR OFF
Vegetative	18"-24"	75-100%	18 HR ON/6 HR OFF
Flower	12"-18"	100%	12 HR ON/12 HR OFF



Figure 7: Recommended light settings for different plant growth stages.

3.2. Environmental Control

Use the included temperature/humidity monitor to keep track of your grow tent's environment. Adjust fan speed and light settings as needed to maintain optimal conditions for your plants.

- **Temperature:** Ideal range varies by plant type and stage, generally 68-78°F (20-26°C).
- **Humidity:** Ideal range varies by plant type and stage, generally 40-70%.
- **Air Circulation:** The clip fan helps prevent hot spots and strengthens plant stems.

4. Maintenance

Regular maintenance ensures the longevity and efficiency of your grow tent kit.

- **Carbon Filter:** The RC412 carbon filter has a reversible flange to double its lifespan. Replace the carbon filter when odors are no longer effectively removed.
- **Grow Tent:** Periodically wipe down the Mylar interior with a damp cloth to maintain reflectivity. Check zippers for smooth operation and apply lubricant if needed.
- **LED Grow Light:** Keep the LED board clean from dust and debris to ensure maximum light output. Do not use abrasive cleaners.
- **Inline Fan:** Regularly check the fan blades for dust buildup and clean gently to maintain airflow efficiency.

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5. Troubleshooting

This section provides general troubleshooting tips for common issues. For specific problems not listed, please contact customer support.

- **Light Not Turning On:** Check power connections, ensure the dimmer knob is not set to 'OFF', and verify the power outlet is functional.
- **Poor Airflow/Odor:** Check for kinks in ducting, ensure fan is powered on, and inspect carbon filter for saturation. Clean or replace filter if necessary.
- **Temperature/Humidity Fluctuations:** Adjust fan speed, consider adding a small heater or humidifier/dehumidifier if environmental conditions are extreme. Ensure tent ports are properly sealed.
- **Light Leaks:** Inspect zippers and tent seams. The heavy-duty 1680D Oxford cloth and double stitching are designed to minimize light leaks.

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6. Specifications

Feature	Specification
Brand	Spider Farmer
Model Number	SF2000Kits
Product Dimensions	47"L x 24"W x 71"H
Frame Material	Alloy Steel
Inner Material	Polyethylene Terephthalate (PET)
Light Source Wattage	200 Watts
Item Weight	49.5 pounds
Color	Charcoal

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7. Warranty and Support

Spider Farmer offers a 5-year after-sale warranty for this product. A maintenance center is available in the USA to assist with any questions or issues.

- **Returns:** 30-day free returns, refund/replacement available.

- **Customer Support:** Contact Spider Farmer customer support for assistance with product inquiries, troubleshooting, or warranty claims.