Spider Farmer SF1000 Tent Kit & 6L Humidifier

Spider Farmer 6L Grow Tent Humidifier and SF1000 Tent Kit User Manual

Comprehensive Guide for Setup, Operation, and Maintenance

Product Overview

The Spider Farmer 6L Grow Tent Humidifier and SF1000 Tent Kit is a complete system designed for indoor plant cultivation. This comprehensive kit includes a high-efficiency LED grow light, a grow tent, a digital humidity-controlled humidifier, and essential accessories to create an optimal growing environment.



Image: Overview of the Spider Farmer 6L Grow Tent Humidifier and SF1000 Tent Kit, showing all major components including the grow tent, LED light, and humidifier.

Package Contents

Before beginning assembly, please verify that all components listed below are present and undamaged.



Image: Detailed view of the SF1000 Tent Kit components, including the grow tent, SF1000 LED grow light, inline fan, carbon filter, ducting, circulation fan, rope hangers, temperature/humidity monitor, timer, hose clamps, trellis netting, and grow bags.



Image: Components of the Spider Farmer 6L Humidifier, showing the main unit, extendable tubing, and Y-splitter for mist distribution.

- SF1000 LED Grow Light with Dimming Box
- Grow Tent (e.g., 2.3'x2.3'x5.2' as per image)
- 4" Inline Fan
- 4" Carbon Filter
- Ducting
- Circulation Fan
- Rope Hangers (2x YOYO)
- Temperature & Humidity Monitor
- Timer
- Hose Clamps (3x)
- Trellis Plant Netting

- Grow Bags (4x 5 Gallon)
- 6L Humidifier Unit
- Extendable Tubing for Humidifier
- Y-Splitter for Humidifier Tubing
- Sensor Probe for Humidifier

Setup Instructions

1. Grow Tent Assembly

1. Unpack all tent frame components and fabric cover.
2. Assemble the metal frame according to the included diagram, ensuring all poles are securely connected.
3. Carefully pull the fabric cover over the assembled frame. Ensure zippers are open to facilitate fitting.
4. Zip up the tent completely once the cover is in place.

2. SF1000 LED Grow Light Installation

1. Attach the rope hangers (YOYO) to the corners of the SF1000 LED grow light.
2. Hang the light inside the grow tent from the top crossbars using the rope hangers. Adjust the height as needed for your plant stage (refer to "Growing Tips" section).
3. Connect the dimming box to the LED light and then to a power source.

3. Ventilation System Setup

1. Connect the carbon filter to one end of the inline fan. Use hose clamps to secure the connection.
2. Attach the ducting to the other end of the inline fan and secure with a hose clamp.
3. Position the inline fan and carbon filter inside the tent, typically at the top, to exhaust air. Route the ducting out through one of the tent's ventilation ports.
4. Install the circulation fan inside the tent, directing airflow to promote air movement around plants.

4. 6L Humidifier Setup



Image: Diagram illustrating various placement options for the humidifier: inside the tent, and outside the tent with tubing routed in.

1. Place the humidifier on a stable, flat surface.

2. Fill the 6L water tank with clean water. Do not exceed the MAX fill line.
3. Attach the extendable tubing to the humidifier's mist outlet. If using multiple mist outlets, attach the Y-splitter first, then the tubing.
4. Position the humidifier either inside the grow tent or outside the tent with the tubing routed through a port. The extendable tubing allows for flexible placement.
5. Insert the sensor probe into the grow tent to accurately monitor internal temperature and humidity.

5. Additional Accessories

1. Place the temperature and humidity monitor inside the tent at plant canopy level for accurate readings.
2. Use the timer to automate the on/off cycles for the grow light or other equipment as needed.
3. Set up the trellis plant netting as plants grow to provide support.
4. Prepare the 5-gallon grow bags with your preferred growing medium.

Operating Instructions

1. SF1000 LED Grow Light Operation



Image: Chart detailing recommended hanging distance, dimming percentage, and light cycle for different plant growth stages (Germination, Seedling, Veg, Flower).

The SF1000 LED grow light features Samsung LM301H EVO LEDs for optimal plant growth. Use the dimming box to adjust light intensity.

Recommended Light Settings

Growth Stage	Distance (Inches)	Dimming (%)	Light Cycle (ON/OFF)
Germination	24"-30"	50%	18 hr ON / 6 hr OFF
Seedling	24"	50%-75%	18 hr ON / 6 hr OFF
Vegetative (Veg)	18"-24"	75%-100%	18 hr ON / 6 hr OFF
Flowering (Flower)	12"-18"	100%	12 hr ON / 12 hr OFF

2. 6L Humidifier Operation



Image: Close-up of the humidifier's LED digital control panel, showing buttons for On/Off, Humidity, Mist levels, and Timer, along with the digital display and "Lack of Water Auto Shut-off" indicator.



Image: Visual representation of the four adjustable mist levels (Level 1: 270ML/H, Level 2: 330ML/H, Level 3: 360ML/H, Level 4: 450ML/H) and their corresponding mist output.

- **Power On/Off:** Press the **On/Off** button to turn the humidifier on or off.
- **Humidity Control:** Press the **Humidity** button to set the desired humidity level from 35% to 95% in 5% intervals. The built-in hygrometer will help maintain this level.
- **Mist Levels:** Press the **Mist** button to cycle through 4 adjustable fog volume levels:
  - Level 1: 270 ML/H
  - Level 2: 330 ML/H
  - Level 3: 360 ML/H
  - Level 4: 450 ML/H (Max Mist Output)
- **Timer Setting:** Press the **Timer** button to set the operating duration from 1 to 12 hours in 1-hour increments. The humidifier will automatically shut off after the set time.
- **Low Water Shut-off:** The humidifier features an automatic shut-off function when the water tank is empty to prevent damage.

Maintenance

1. Humidifier Cleaning

- Regularly clean the humidifier to prevent mineral buildup and mold growth.
- Unplug the unit before cleaning.
- Empty any remaining water from the tank and base.
- Wipe down the interior of the tank and base with a soft cloth and a mild descaling solution (e.g., white vinegar diluted with water).
- Rinse thoroughly with clean water and allow all parts to air dry completely before reassembly.

2. Carbon Filter Replacement

- The carbon filter should be replaced periodically, typically every 6-12 months depending on usage and air quality, to maintain effective odor control.
- Disconnect the inline fan and carbon filter from the ducting.
- Remove the old carbon filter and dispose of it properly.
- Install a new carbon filter, ensuring a tight seal with the inline fan using hose clamps.

3. Grow Tent Cleaning

- Wipe down the interior reflective material with a damp cloth as needed to remove dust or debris.
- Ensure the tent is dry before zipping it up for extended periods to prevent mold.

Troubleshooting

Common Issues and Solutions

Problem	Possible Cause	Solution
Humidifier not producing mist	Low water level; Clogged transducer; Power issue	Refill water tank; Clean transducer with soft brush; Check power connection and outlet.
Humidity level not reaching target	Mist level too low; Tent too large for humidifier; Air leaks in tent	Increase mist output level; Ensure tent is sealed; Consider additional humidification if tent is very large.
LED Grow Light not turning on	Power cable loose; Dimming box off or set to 0%; Faulty outlet	Check all cable connections; Ensure dimming box is on and set to a percentage above 0; Test outlet with another device.
Unpleasant odor in tent	Carbon filter exhausted; Poor ventilation; Stagnant water	Replace carbon filter; Increase inline fan speed or run time; Check for and remove any stagnant water sources.

Specifications

Product Specifications

Feature	Detail
Brand	Spider Farmer
Model	SF1000 Tent Kit & 6L Humidifier

Feature	Detail
Humidifier Capacity	6 Liters
Humidifier Max Mist Output	450 ml/h
Humidifier Humidity Range	35%-95% (adjustable in 5% increments)
Humidifier Timer	1-12 hours (1-hour increments)
LED Grow Light Chips	Samsung LM301H EVO LEDs
Grow Tent Frame Material	Metal
Grow Tent Inner Material	Reflective material
Color	Black
ASIN	B0CX8RFV4V

Warranty and Support

Spider Farmer provides a **5-year warranty** for this product. We are committed to providing efficient, suitable, and high-quality home grow equipment.

For warranty claims, technical support, or any inquiries, please contact Spider Farmer customer service. A maintenance center is available in the USA for service needs.

Visit the official Spider Farmer store for more information and support resources: Spider Farmer Store on Amazon

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