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## MUFGA SP01L12

# MUFGA 12 Pods Hydroponics Growing System

Model: SP01L12

Brand: MUFGA

## PRODUCT OVERVIEW

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The MUFGA 12 Pods Hydroponics Growing System is an innovative indoor gardening solution designed to cultivate herbs, vegetables, and flowers without soil. This system features high-performance LED grow lights, an automatic water circulation pump, and an adjustable light height, allowing plants to thrive up to 5 times faster than traditional soil gardening. It provides a controlled environment for year-round plant growth, making it ideal for home use.



Image: The MUFGA 12 Pods Hydroponics Growing System, showcasing a variety of plants such as strawberries, herbs, and flowers thriving under the LED grow light.

## PACKAGE CONTENTS

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Before beginning assembly, please ensure all components listed below are present in your package:

- 1 x Host (Main Unit)
- 12 x Pod Kits (including sponges)
- 1 x Power Adapter
- 1 x A&B Solid Nutrient (Plant Food)



Image: A visual representation of all items included in the MUFGA Hydroponics Growing System package, laid out for easy identification.

## SETUP GUIDE

1. **Unpack Components:** Carefully remove all parts from the packaging and place them on a clean, flat surface.
2. **Assemble the Light Post:** Insert the extendable light post into the designated slot on the main unit. Ensure it is securely seated.
3. **Install Grow Light:** Attach the LED grow light panel to the top of the extendable light post.
4. **Place Pods:** Insert the provided pod kits (with sponges) into the 12 openings on the top cover of the system.
5. **Fill Water Tank:** Open the water fill port and carefully pour clean water into the reservoir. Fill up to the 'Max' line indicated on the water level indicator. The tank has a capacity of 6.5 liters.
6. **Add Nutrients:** Follow the instructions on the A&B Solid Nutrient bottles to prepare and add the plant food to the water reservoir. Stir gently to ensure dissolution.
7. **Connect Power:** Plug the power adapter into the system's power port, then connect it to a standard electrical outlet.

# FULL SEASON INDOOR HYDROPONIC GARDEN



Image: An exploded view diagram illustrating the various components of the hydroponics system and their relative positions, such as the water pump, plant pods, and LED grow light.

## The UP-Down watering system

evenly irrigates each individual plant with just-right amount of water your plant needs.

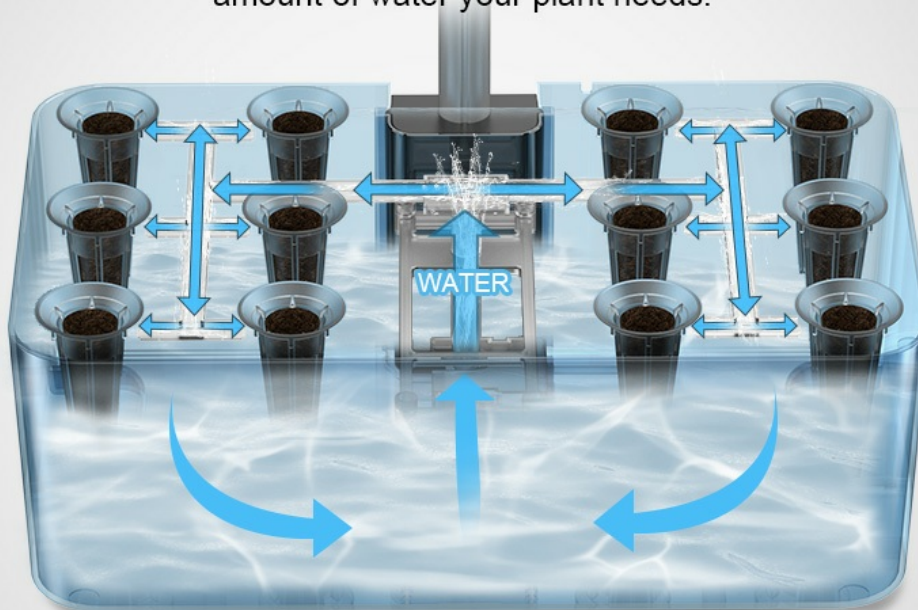


Image: A detailed diagram of the UP-Down watering system, demonstrating how water is evenly distributed to each individual plant pod from the main reservoir.

## OPERATING INSTRUCTIONS

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### LED Grow Light Operation

The MUFGA Hydroponics System features a 24W LED grow light with an automatic timer. Once powered on, the light will operate on a cycle of **16 hours ON** and **8 hours OFF**, simulating natural daylight and nighttime conditions for optimal plant growth.

**Automatic Timer:** The system automatically manages the light cycle. No manual adjustment of ON/OFF times is required after initial power-on.

**Height Adjustment:** The light panel's height can be adjusted from 5.3 inches to 17.7 inches (13.5 cm to 45 cm) above the water tank. Adjust the height as your plants grow to ensure they receive adequate light without burning.

# BUILT-IN AUTOMATIC LIGHT TIMER

The LED lights can work for **16** hours and shut down for **8** hours repeatedly.

Automatic Timer



Image: A visual representation of the built-in automatic light timer, showing the 16-hour ON and 8-hour OFF cycle for the LED grow lights.

# You can adjust the height base on the plant growth

Understanding the size of the product can make you use the product better



Image: A diagram detailing the adjustable height feature of the grow light, indicating a range from 5.3 to 17.7 inches to accommodate different plant growth stages.

## Water Pump and Circulation

The intelligent water pump ensures continuous water and nutrient circulation, providing oxygen to the plant roots and preventing mold growth. The pump operates quietly.

**Automatic Water Cycle:** The pump will automatically cycle, working for 30 minutes and then resting for 30 minutes. This cycle repeats continuously.

**Manual Pump Control:** If needed, the pump can be manually turned off for 12 hours. After this period, it will automatically resume its cycle. The pump light will blink when in sleeping mode.



Image: An illustration of the automatic water cycle, demonstrating how the intelligent water pump circulates water for 30 minutes, then rests for 30 minutes, ensuring continuous oxygenation.

## Control Panel

The simplified control panel allows for easy management of the system's functions:

**Power Button:** To turn the system ON/OFF.

**Mode Button:** Select between different growing modes (e.g., Vegetable mode, Flower mode) which may adjust light spectrum for optimal growth.

**Pump Button:** Manually control the water pump cycle.



Image: A close-up view of the system's control panel, highlighting touch-sensitive buttons for various functions including time settings, light brightness, growing modes, pump control, and power.



Image: A detailed diagram illustrating the mechanism for adjusting the height of the LED grow light, crucial for accommodating plants at different growth stages.

## MAINTENANCE

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- **Water Level Monitoring:** Regularly check the water level indicator. Refill the reservoir with fresh water when the level drops below the minimum mark.
- **Nutrient Replenishment:** As plants grow, they consume nutrients. Replenish the nutrient solution according to the plant food instructions, typically every 1-2 weeks, or when refilling water.
- **System Cleaning:**
  - *Reservoir:* Every 2-4 weeks, it is recommended to empty the reservoir, rinse it thoroughly with clean water, and refill with fresh water and nutrients. This helps prevent algae buildup and maintains water quality.
  - *Pump:* Periodically inspect the water pump for any debris or blockages. Clean as necessary to ensure optimal water circulation.
  - *Pods and Sponges:* After harvesting or when starting new plants, clean the pod holders and replace sponges as needed to maintain hygiene and prevent disease.
- **Algae Prevention:** Keep the system covered to minimize light exposure to the water, which can encourage algae growth. Regular cleaning and nutrient changes also help.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
LED Grow Light not turning on.	Power adapter not connected; system not powered on; light cycle in OFF period.	Ensure power adapter is securely plugged into the system and outlet. Press the power button. Wait for the 8-hour OFF cycle to complete.
Water pump not circulating.	Pump is in rest period; water level too low; pump clogged.	Wait for the pump's 30-minute rest period to end. Refill water to the 'Max' line. Disconnect power and inspect pump for debris, then clean.
Plants not growing or appear unhealthy.	Insufficient nutrients; incorrect light height; water quality issues; wrong plant type for hydroponics.	Check nutrient levels and replenish. Adjust light height according to plant growth. Perform a water change. Ensure chosen plants are suitable for hydroponic systems.
Algae growth in reservoir.	Excessive light exposure to water; infrequent cleaning.	Ensure the system's cover is properly seated. Perform regular reservoir cleaning and water changes.

## SPECIFICATIONS

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- **Model:** SP01L12
- **Product Dimensions:** 14 x 9.4 x 6.7 inches (35.56 x 23.88 x 17.02 cm)
- **Item Weight:** 5.1 pounds (2.31 kg)
- **Water Tank Capacity:** 6.5 Liters (approx. 1.7 gallons)
- **LED Grow Light Power:** 24 Watts
- **Light Height Adjustment:** 5.3 - 17.7 inches (13.5 - 45 cm)
- **Number of Pods:** 12
- **Manufacturer:** MUFGA

## WARRANTY AND SUPPORT

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MUFGA offers a **60-day 100% Satisfaction Guarantee** for this product. If you are not completely satisfied with your MUFGA 12 Pods Hydroponics Growing System for any reason, please contact customer service within 60 days of purchase. Our customer service team is dedicated to assisting you with any issues or questions you may have regarding the product's operation, maintenance, or troubleshooting. Please refer to your purchase documentation for specific contact information or visit the official MUFGA support website.