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Growell HS02

Growell Hydroponics Growing System Kit

MODEL: HS02

Indoor Garden with 17 Pods, Full-Spectrum Grow Lights & Fans

1. Introduction

The Growell Hydroponics Growing System Kit (Model HS02) is designed for indoor plant cultivation, offering a controlled environment for growing herbs, vegetables, fruits, and flowers without soil. This system provides optimal conditions for rapid plant growth and year-round harvesting.



The Growell Hydroponics Growing System Kit, fully assembled and cultivating a variety of plants including lettuce, herbs, and small fruits.

2. Package Contents

Verify that all components are present in your package:

- Hydroponic System x1
- Hole Cover x9
- Plastic Hat x17
- Tag x17
- Sticker x17
- Basket x17
- Sponge x17
- Tweezer x1
- Rubber Stopper x1
- Nutrient Solution A+B (initial supply)
- Nutrient Solution A+B Refill Pack
- Adapter x1

Growell Indoor Garden

Grow your favorite vegetables, fruits and flowers



All Year Round
Harvest Fresh



Grow Faster



No Soil Pollution



An illustration detailing all parts included in the Growell Hydroponics Growing System Kit package.

3. Product Features

- **17-Pod Capacity:** Cultivate up to 17 plants simultaneously, ideal for a diverse indoor garden.
- **Full-Spectrum LED Grow Lights:** Equipped with 102 28W LED lights providing white, red, blue, and far-red spectrums to simulate natural sunlight, promoting accelerated growth. The light operates on a 16-hour on, 8-hour off automatic cycle.

- **Adjustable Light Pole:** The light pole can be adjusted from 7.6 inches to 23.8 inches in height, accommodating plants at various growth stages.
- **10L Water Tank with Circulation System:** A large water tank with a quiet, intelligent pump ensures optimal water circulation and oxygenation, distributing nutrients evenly. The pump operates on a 30-minute on/off cycle.
- **Built-in Dual Fans:** Two adjustable three-speed fans mimic natural air currents, enhancing airflow and aiding in the pollination of fruits and vegetables.
- **User-Friendly Control Panel:** Features a 5.4-inch screen for clear data display and straightforward button settings, including a child lock mode to prevent accidental changes.
- **Two Grow Light Modes:** Select between 'Vegetable Mode' (white and blue light for leaf growth) and 'Flower Fruits Mode' (pink and red light for germination, flowering, and fruiting).

102 28W LED Lamp Beads

Full-spectrum illumination, simulating natural sunlight

500% 



 **Red Light (22pcs)**
Increase more flowers and fruits

 **Far Red Light (6pcs)**
Speed up plant growth

 **Blue Light (8pcs)**
Grow more leaves

 **White Light (66pcs)**
Adjust and soften the light

The 102 28W LED grow lights provide a full spectrum of light for optimal plant development.

Self-Circulation Water System

Allow plants to fully absorb water and nutrients



The self-circulation water system ensures plants receive consistent water and nutrients.

Two Built-in Fans

Simulate natural wind, help air flow, and also help natural pollination of fruits and vegetables



Two built-in fans simulate natural wind, improving air circulation and aiding pollination.

4. Setup Instructions

- 1. Assemble the System:** Place the water tank on a stable, flat surface. Insert the extendable light pole into the designated slot on the water tank. Attach the light board to the top of the extendable pole.
- 2. Prepare Planting Pods:** Place a sponge into each basket. Insert your chosen seeds into the center of each sponge using the provided tweezers.
- 3. Insert Pods:** Place the prepared baskets with sponges and seeds into the holes on the planting machine panel. Cover each basket with a plastic hat to create a humid environment for germination.

4. **Add Water and Nutrients:** Fill the water tank with clean water up to the 'Max' line (10L capacity). Add the appropriate amount of Nutrient Solution A and B according to the instructions on their bottles.
5. **Connect Power:** Plug the adapter into the system and then into a power outlet. The control panel will illuminate.
6. **Initial Settings:** The system will automatically begin its default 16-hour light cycle and 30-minute water pump cycle. Adjust settings as needed using the control panel.



A visual guide demonstrating the steps for setting up the system and planting seeds.

5. Operating Instructions

The control panel allows you to manage various functions of your hydroponic system:

Multifunctional Touch Control Console

Meet the planting needs of different plants



The multifunctional touch control console provides easy access to all system settings.

- **Power Button:** Turns the system on or off.
- **Water Button:** Manually activates or deactivates the water pump. The pump typically runs on an automatic 30-minute cycle.
- **Fan Button:** Adjusts the speed of the built-in fans (three speeds available).
- **Vegetables Mode:** Activates the light spectrum optimized for leafy greens and vegetative growth (white and blue light).
- **Flowers & Fruits Mode:** Activates the light spectrum optimized for flowering and fruiting plants (pink

and red light).

- **Sleep/Record Button:** Puts the system into sleep mode or accesses growth records (refer to the on-screen display for details).
- **Child Lock:** Press and hold the child lock icon on the screen to activate or deactivate, preventing unintended changes to settings.

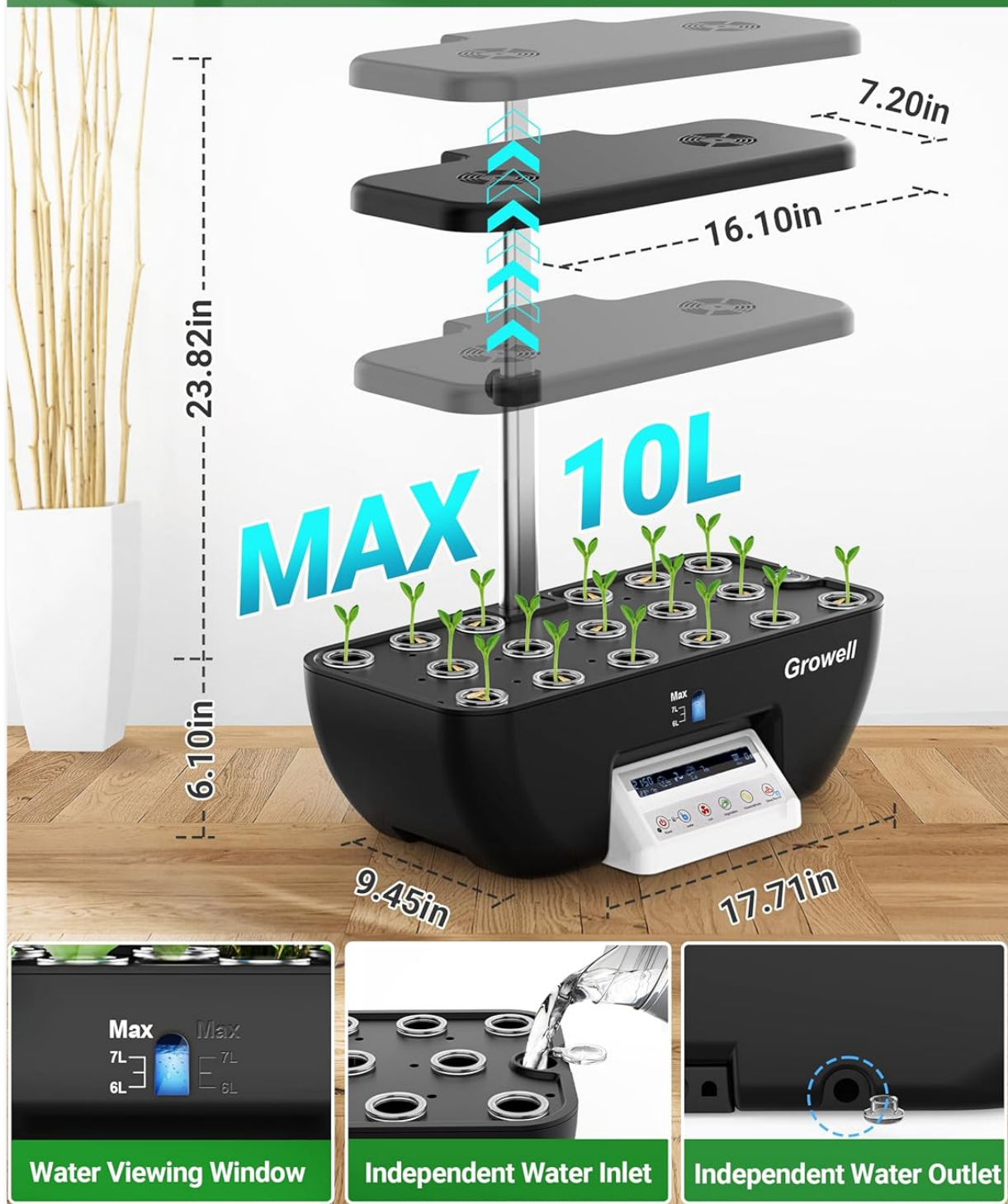
Adjusting Light Height: As your plants grow, slide the light pole upwards to maintain an appropriate distance between the light and the plant canopy. The light can extend up to 23.8 inches.

6. Maintenance

- **Water Level:** Monitor the water level through the viewing window on the front of the tank. Refill with fresh water when the level drops significantly.
- **Nutrient Replenishment:** Add nutrient solutions A and B as directed by the plant's growth stage and the nutrient solution instructions. Typically, nutrients are added every 1-2 weeks, or when refilling the water tank.
- **Water Change:** For optimal plant health, it is recommended to perform a full water change every 2-4 weeks. Drain the old water using the independent water outlet, clean the tank, and refill with fresh water and new nutrient solution.
- **Cleaning:** Regularly wipe down the system's exterior and light board to prevent dust and algae buildup. The system is designed for easy cleaning.

Adjustable Height

Larger space allows plants to grow more luxuriantly



The system features an adjustable light height, a water viewing window, and independent water inlet/outlet for easy maintenance.

7. Troubleshooting

- **Plants Not Sprouting:** Ensure seeds are fresh and viable. Verify that plastic hats are in place to maintain humidity. Check that the light cycle is active.
- **Slow Growth:** Confirm correct nutrient solution concentration and water pH. Ensure the light height is appropriate for the plant's stage. Check that the water pump is circulating properly.
- **Algae Growth:** Algae can indicate too much light exposure to the water or nutrient imbalance. Ensure

hole covers are used for empty pods. Perform a water change and clean the tank.

- **Water Pump Not Working:** Check power connection. Ensure the water level is sufficient for the pump to operate. Clean any debris that might be obstructing the pump.
- **Light Not Turning On:** Verify power connection. Check if the system is in sleep mode or if the light cycle is currently in its 'off' period.
- **Control Panel Unresponsive:** Try unplugging and re-plugging the power adapter to reset the system. Ensure child lock is not active if you are trying to change settings.

8. Specifications

Feature	Detail
Brand	Growell
Model Number	HS02
Material	Plastic, Stainless Steel
Color	Black & White
Product Dimensions	9.45"D x 17.7"W x 29.92"H
Item Weight	6.87 pounds
Capacity	10 Liters
Number of Pods	17
LED Grow Lights	102 LEDs, 28W Full-Spectrum
Light Cycle	16 hours ON / 8 hours OFF (Automatic)
Water Pump Cycle	30 minutes ON / 30 minutes OFF (Automatic)
Light Height Adjustment	7.6 - 23.8 inches
Fans	2 Built-in, 3-speed adjustable
Voltage Frequency	100 to 120 Volts, 60 Hertz
Indoor/Outdoor Usage	Indoor

9. Contact and Support

For further assistance, technical support, or inquiries regarding your Growell Hydroponics Growing System Kit, please refer to the contact information provided with your purchase documentation or visit the official Growell website.

This manual is intended for informational purposes only. Growell reserves the right to make changes to product specifications without prior notice.

