iDOO ID-IG309-BK

iDOO 5-Pod Mini Hydroponics Growing System Instruction Manual

Model: ID-IG309-BK

Overview | Components | Setup | Operation | Maintenance | Troubleshooting | Specifications

1. Overview

The iDOO 5-Pod Mini Hydroponics Growing System is designed for indoor cultivation of herbs, vegetables, and sprouts. This compact system allows for year-round planting and harvesting, utilizing a full-spectrum LED grow light, an automatic timer, and a built-in water pump to create an optimal growing environment.

- **Hydroponics Growing System:** Compact 5-pod design suitable for kitchen counters, enabling indoor vegetable gardening.
- **High-Performance Grow Lights with Timer:** Full-spectrum LED lights simulate natural light, promoting up to 50% faster growth than soil cultivation. Features an automatic timer for convenience and energy saving.
- **Multifunction Growing Set:** Includes a seed sprouter tray made of BPA-free PP material for growing sprouts like cat grass and micro vegetables. Accessories include growing baskets, sponges, grow domes, stickers, and A&B Nutrient Solution.
- **Built-in Pump & 3 Grow Modes:** A silent water pump ensures fresh water circulation for healthy root development. Offers two growth modes for specific light conditions.
- **11.81” Height Adjustable:** The lighting panel's height can be adjusted to accommodate plants at different growth stages.

2. Components

The iDOO 5-Pod Mini Hydroponics Growing System includes the following components:

- iDOO Smart Garden Unit
- User Manual

- Power Adapter
- Plant Food (A & B Nutrient Solution)
- Tweezers
- Grow Baskets (5x)
- Germination Domes (5x)
- Grow Sponges (5x)
- Foil Stickers (5x)
- Pod Spacers (5x)
- Seed Sprouter Tray (1x)

Figure 1: Overview of the iDOO 5-Pod Mini Hydroponics Growing System and its included accessories. This image displays the main unit, the LED grow light, the seed sprouter tray, and various smaller components like grow baskets and nutrient bottles.

3. Setup

1. **Assemble the Unit:**

   Place the main reservoir unit on a stable, flat surface. Insert the adjustable light pole into the designated slot on the reservoir. Connect the LED grow light panel to the top of the pole.

Figure 2: The fully assembled iDOO Hydroponics Growing System with the LED light panel extended. This shows the compact design suitable for indoor use.

2. **Prepare Seeds and Sponges:**

   Soak your chosen seeds for 6-12 hours before planting. Insert the grow sponges into the grow baskets. Place 2-3 seeds into the hole of each grow sponge. If using the sprouter tray, spread seeds evenly on the tray.

3. **Place Grow Baskets/Tray:**

   Insert the grow baskets into the openings on the top deck of the reservoir. If not all pods are used, cover empty slots with pod spacers to prevent algae growth and water evaporation. If using the sprouter tray, place it on top of the reservoir.

4. **Add Water and Nutrients:**

Fill the reservoir with clean water up to the "MAX" line (3.0L). Add the appropriate amount of A&B Nutrient Solution according to the user manual's guidelines (typically 15ml of each for 3L of water). Shake the nutrient bottles well before adding. The water level indicator on the front of the unit helps monitor the water volume.

Figure 3: The water level indicator on the front of the iDOO Hydroponics System, showing markings for 1.0L, 1.5L, 2.0L, 2.5L, and MAX 3.0L. This allows for easy monitoring of water levels.

5. **Connect Power:**

   Plug the power adapter into the back of the unit and then into a power outlet. The system will automatically initiate its default lighting cycle.

Your browser does not support the video tag.

Video 1: This video provides a step-by-step installation tutorial for a similar Ahopegarden Hydroponics Growing System kit. It demonstrates how to assemble the unit, prepare the growing medium, add water, and connect the power, offering a visual guide for initial setup.

4. Operation

4.1. LED Grow Light & Timer

The full-spectrum LED grow light operates on an automatic timer, providing 15 hours of light followed by 9 hours of darkness. This cycle is optimized for plant growth. The light height can be adjusted up to 11.81 inches as plants grow taller.

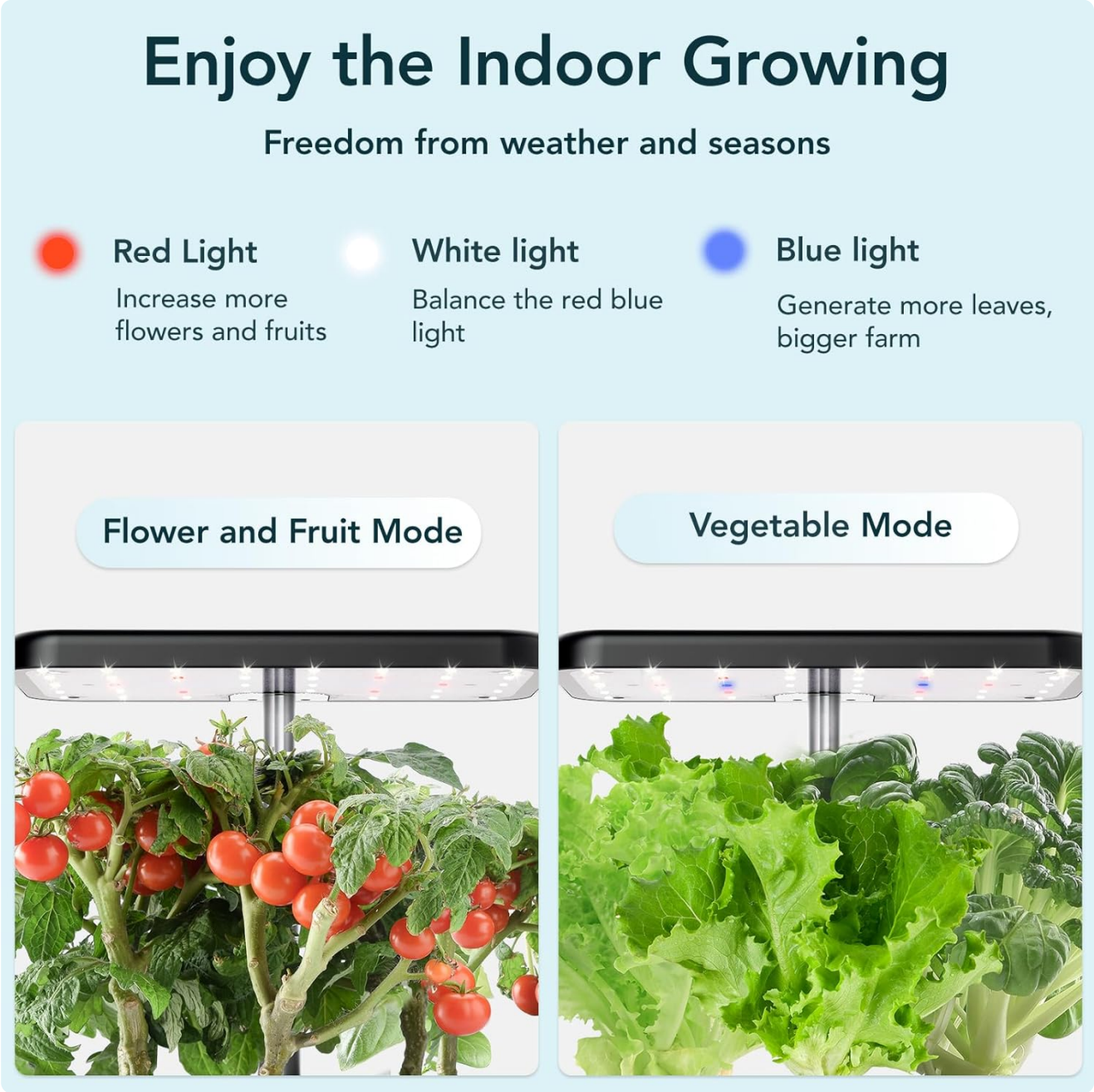

Figure 4: The iDOO Hydroponics System featuring its full-spectrum LED grow light, which promotes rapid plant growth. The image highlights the light's effectiveness in simulating natural sunlight for indoor gardening.

4.2. Grow Modes

The system offers two distinct grow modes to cater to different plant types:

- **Vegetable Mode:** Optimized for leafy greens and herbs, promoting lush foliage.
- **Flower and Fruit Mode:** Provides specific light conditions to encourage flowering and fruiting plants.

Figure 5: Illustration of the two smart planting modes available on the iDOO Hydroponics System: Flower and Fruit Mode (left) and Vegetable Mode (right). This image demonstrates how different light spectrums are used to optimize growth for various plant types.

4.3. Water Pump System

The built-in silent water pump circulates water to keep it fresh and oxygenated, providing a better growing environment for plant roots. The pump operates automatically according to a preset schedule.

Figure 6: A close-up view of the smart circulation water system within the iDOO Hydroponics unit, showing water bubbles and healthy plant roots. This system ensures optimal oxygenation and nutrient delivery to the plants.

4.4. Switching Temperature Units (Celsius/Fahrenheit)

To switch the temperature display between Celsius and Fahrenheit, simply hold down the "Add Water" button on the control panel for 2 seconds.

Your browser does not support the video tag.

Video 2: This video demonstrates the steps to switch the temperature display from Celsius to Fahrenheit on the control panel of the Ahopegarden Hydroponics Growing System. It shows the user pressing and holding the "Add Water" button to toggle between the units.

5. Maintenance

- **Water Refill:** Monitor the water level indicator regularly. Refill with fresh water and nutrients when the level drops below 1.0L.
- **Nutrient Replenishment:** Add nutrients as per the plant's growth stage and water consumption. Refer to the user manual for specific ratios and frequency.
- **Cleaning:** Periodically clean the reservoir and pump to prevent algae buildup and ensure optimal performance. Unplug the unit before cleaning.
- **Pruning:** Trim plants as needed to encourage bushier growth and prevent overcrowding, especially for larger plants like tomatoes.

6. Troubleshooting

- **Plants not sprouting:** Ensure seeds were soaked for 6-12 hours prior to planting. Verify grow sponges are adequately moist.
- **Water level dropping too quickly:** Check for leaks. Ensure unused pod openings are covered with spacers to minimize evaporation.
- **Light or pump not working:** Verify the power adapter is securely connected to both the unit and the power outlet. If the adapter is faulty, contact customer service for a replacement.
- **Algae growth:** Ensure all unused pod openings are covered. Clean the reservoir and pump regularly.
- **Plants appear weak or discolored:** Check nutrient levels and ensure proper water circulation. Adjust grow mode if necessary.

7. Specifications

Feature	Detail
Brand	iDOO
Model Number	ID-IG309-BK
Product Dimensions	13.9 x 13.5 x 23.5 cm; 940 g
Color	Black
Number of Pods	5
Light Type	Full-Spectrum LED Grow Light
Light Height Adjustment	Up to 11.81 inches
Water Pump	Built-in Silent Water Pump

Material	BPA Free PP material (Sprouter Tray)
First Available	June 25, 2023

8. Warranty and Support

Specific warranty details and support contact information are typically provided within the product packaging or on the manufacturer's official website. Please refer to the included user manual for comprehensive warranty terms and customer service contacts.
For general inquiries or issues, you may also visit theiDOO Store on Amazon.

© 2023 iDOO. All rights reserved.