

Yoocaa IGS-61

Yoocaa Hydroponic Growing System IGS-61 User Manual

1. INTRODUCTION

Thank you for choosing the Yoocaa Hydroponic Growing System IGS-61. This system allows you to cultivate a variety of plants, including herbs, vegetables, and flowers, indoors without soil. It features an efficient full-spectrum LED grow light, an automatic water circulation system, and adjustable lamp post height to support plant growth at different stages. Please read this manual carefully before operating the system to ensure proper setup and optimal performance.

2. SAFETY INFORMATION

- Always unplug the system from the power outlet before cleaning or performing any maintenance.
- Do not immerse the electrical components (power adapter, light panel) in water.
- Ensure the power cord is not damaged or pinched.
- Keep the system away from heat sources and direct sunlight.
- This product is intended for indoor use only.
- Keep out of reach of children and pets.
- Use only the provided power adapter and components.

3. PACKAGE CONTENTS

Carefully unpack all components and ensure you have received the following items:

- Hydroponic Growing System Base with Water Tank
- LED Light Panel with Adjustable Post
- Plastic Domes (x12)
- Planting Baskets (x12)

- Grow Sponges (x12)
- Power Adapter (x1)
- Solid Nutrient A (x1)
- Solid Nutrient B (x1)

Nutrient Solution

Q: When to add nutrient solution?
A: Everytime you add water

Q: How much water and nutrient to add?

Water	Nutrient
1L	5mlA+5mlB
2L	10mlA+10mlB
3L	15mlA+15mlB
4L	20mlA+20mlB
5L	25mlA+25mlB

Contains all the nutrients for plant growth



Smart Soil



Made of natural renewable sources



Breathable, better water & nutrients absorption



Contains no harmful substances



Regulate the components access to the root system



Image Description: This image displays the various components included in the Yoocea Hydroponic Growing System, such as the main unit, LED light panel, plastic domes, planting baskets, grow sponges, power adapter, and two bottles of solid nutrients (A and B). It also includes a table detailing nutrient solution ratios for different water volumes and a description of 'Smart Soil'.

4. SETUP

4.1. Assembly

1. **Connect the Light Post:** Insert the adjustable light post into the designated slot on the main water tank base. Ensure it is securely seated.
2. **Attach the LED Light Panel:** Slide the LED light panel onto the top of the adjustable post.
3. **Connect Power:** Plug the power adapter into the system and then into a wall outlet.

12 Level Adjustable Lamp Post Height

Grow with your plants to achieve max light absorption & health



Image Description: This image illustrates the adjustable lamp post height feature of the Yoocaa Hydroponic System. It shows the system with plants at different growth stages, demonstrating how the light panel can be raised from 9.8 inches (25cm) to 16.5 inches (42cm) to accommodate plant growth.

4.2. Adding Water and Nutrients

1. **Fill Water Tank:** Open the independent water filling hole. Add approximately 3 liters of clean water to the water tank. The visual water level indicator will help you monitor the water volume.
2. **Add Nutrients:** Refer to the nutrient solution table provided in Section 3 or on the nutrient bottles. For 3 liters of water, add 15ml of Nutrient A and 15ml of Nutrient B. Shake the bottles well before use. Pour the measured nutrients into the water tank.



Easy to Operate



Add 3L water with 15ml A & 15ml B



Put 2-3 seeds



Put the sponge baskets



Press the "Power" button and select appropriate mode

Image Description: This image shows four steps for easy operation of the Yoocaa Hydroponic System. Step 1 depicts adding water and nutrients. Step 2 shows placing seeds into grow sponges. Step 3 illustrates inserting the sponge baskets into the system. Step 4 displays the control panel with power and mode selection buttons.

4.3. Planting Seeds

1. **Prepare Grow Sponges:** Place 2-3 seeds into each grow sponge.
2. **Insert into Baskets:** Place the seeded grow sponges into the planting baskets.
3. **Position in System:** Insert the planting baskets into the designated holes on the top cover of the hydroponic system.
4. **Cover with Domes:** Place the plastic domes over the planting baskets to create a humid environment for germination. Remove domes once seedlings emerge.

5. OPERATING INSTRUCTIONS

5.1. Power On/Off and Mode Selection

After connecting the power, use the control panel on the system:

- **Power Button:** Press the 'Power' button to turn the system on or off.
- **Mode Button:** Press the 'Mode' button to cycle through different light modes:
 - **Vegetables Mode:** Utilizes Red, Blue, Far-red, and White light. Ideal for leafy greens and herbs.
 - **Flowers & Fruits Mode:** Utilizes Red, Far-red, and White light. Optimized for flowering and fruiting plants.

Efficient Full-Spectrum Growth Light

Experience swift and vigorous plant growth with ease

Flowers & Fruits Mode



Red Light



Far-red Light



White Light



Vegetables Mode



Red Light



Blue Light



Far-red Light



White Light



Red Light

Good for roots developed



Blue Light

Improve the growth of leaf



White Light

Balance the red & blue light

Image Description: This image illustrates the two efficient full-spectrum growth light modes of the Yoocaa Hydroponic System: 'Flowers & Fruits Mode' (Red, Far-red, White Light) and 'Vegetables Mode' (Red, Blue, Far-red, White Light). It shows different plants thriving under each light setting.

5.2. Automatic Light Timer

The system features a built-in automatic light timer. Once powered on, the lights will operate on a cycle of **16 hours ON and 8 hours OFF**. This cycle is pre-programmed and does not require manual adjustment, ensuring optimal light exposure for plant growth.

Built-In Automatic Light Timer

Automated lighting for stress-free plant care



Image Description: This image visually represents the built-in automatic light timer of the Yoocaa Hydroponic System, showing a 16-hour 'On' period and an 8-hour 'Off' period, designed for stress-free plant care.

5.3. Adjustable Lamp Post Height

As your plants grow, adjust the height of the LED light panel to maintain an optimal distance from the plant canopy. The lamp post can be adjusted to 12 different levels, from approximately 10 inches (25cm) to 16.9 inches (42cm), to ensure maximum light absorption and healthy growth.

Customizable Heights Tailored To Each Growth Stage

More light absorption for lushier plants



Image Description: This image demonstrates the customizable height feature of the Yoocea Hydroponic System, showing the light panel adjusted to different heights (10", 13", 16.93") to accommodate plants at various growth stages: sprouting (3-5 days), growing (14-21 days), and harvest (30-40 days).

5.4. Automatic Water Circulation System

The system includes an automatic water pump that circulates water and nutrients. The pump operates on a cycle of **30 minutes ON and 30 minutes OFF**, ensuring strong roots thrive with enhanced oxygen and nutrient delivery. This system is designed to be whisper-quiet, operating at less than 30dB.

Automatic Water Circulation System

Strong roots thrive with enhanced oxygen & nutrient delivery



Automatic Water Pump
30 mins on/30 mins off



Visual Water Level



Image Description: This image highlights the automatic water circulation system of the Yoocaa Hydroponic System. It shows the internal water pump operating on a 30-minute on/off cycle, circulating oxygenated water (H_2O with O_2 bubbles) to the plant roots. A visual water level indicator is also visible.

6. MAINTENANCE

6.1. Water Level Monitoring and Refill

Regularly check the visual water level indicator on the front of the system. When the water level is low, refill the tank through the independent water filling hole. It is recommended to maintain the water level above the minimum mark.

6.2. Nutrient Solution Replenishment

As plants grow, they consume nutrients. It is recommended to replenish the nutrient solution every 2-3 weeks, or when refilling the water tank significantly. Follow the nutrient dosage guidelines provided in Section 3.

6.3. Cleaning the System

Periodically, typically every 4-6 weeks or between growing cycles, it is advisable to clean the entire system. Unplug the unit, drain the water, and gently clean the water tank and pump with mild soap and water. Rinse

thoroughly before refilling.

6.4. Transplanting Plants

Once plants outgrow the hydroponic system or are ready for outdoor planting, they can be easily transplanted. The grow sponges and planting baskets are designed for easy removal, allowing you to transfer the plant with its root system intact to soil or a larger hydroponic setup.



Easy to Transplant & Maintenance

Ideal growth unit for cultivating and harvesting

Fit Most Pods

Biodegradable Smart Soil

Image Description: This image demonstrates the ease of transplanting and maintenance for the YooCAA Hydroponic System. It shows a hand removing a plant in its planting basket and grow sponge, highlighting that the system fits most pods and uses biodegradable smart soil. Small images at the bottom show a seedling and cherry tomatoes, indicating successful growth and harvest.

7. TROUBLESHOOTING

• Plants not growing or wilting:

- Check water level and ensure sufficient nutrients are added.
- Verify the light panel is at an appropriate height and the correct light mode is selected.
- Ensure the water pump is circulating water (listen for quiet operation or observe water movement).

- **Lights not turning on:**

- Check if the power adapter is securely plugged into both the system and the wall outlet.
- Press the 'Power' button on the control panel.
- Ensure it's not during the 8-hour 'off' cycle of the automatic timer.

- **Pump not circulating water:**

- Check if the system is powered on.
- Ensure the water level is adequate.
- The pump operates on a 30-minute on/off cycle; wait to see if it starts.
- If the issue persists, unplug the system and check for any obstructions in the pump or tubing.

- **Algae growth in water tank:**

- Algae can occur if the water is exposed to too much light. Ensure planting holes are covered by baskets and domes.
- Perform a thorough cleaning of the water tank and replace the water and nutrient solution.

8. SPECIFICATIONS

Feature	Specification
Model Number	IGS-61
Manufacturer	Yoocaa
Product Dimensions (L x W x H)	38 x 16 x 12 cm (14.96 x 6.3 x 4.72 inches)
Weight	1.71 kilograms (3.77 lbs)
Water Tank Capacity	3.5 Liters (approx.)
Number of Pods	12
LED Grow Light Power	24W Full Spectrum
Lamp Post Adjustment Range	10" - 16.9" (25cm - 42cm)
Light Timer	Automatic 16 hours ON / 8 hours OFF
Water Pump Cycle	Automatic 30 minutes ON / 30 minutes OFF
Pump Noise Level	Quiet (under 30dB)

9. WARRANTY AND SUPPORT

The Yoocaa Hydroponic Growing System IGS-61 comes with a standard manufacturer's warranty. For specific warranty details, please refer to the product packaging or contact Yoocaa customer support. If you encounter any issues or have questions regarding your system, please reach out to our customer service team for assistance.

