

homeleafy IRON 1.0

Homeleafy IRON 1.0 Hydroponics Growing System User Manual

Model: IRON 1.0

1. INTRODUCTION

Welcome to the Homeleafy indoor hydroponics growing system. This manual provides detailed instructions for setting up, operating, and maintaining your new smart garden. With proper care, your system will allow you to grow fresh herbs, vegetables, and flowers year-round.

2. SAFETY INFORMATION

Please read all safety instructions before operating the device. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Ensure the device is placed on a stable, level surface.
- Do not immerse the electrical components in water.
- Use only the provided power adapter.
- Keep out of reach of children and pets.
- Unplug the device before cleaning or performing any maintenance.
- Connect the drip irrigation kit to a water source following local safety guidelines. Install and use the kit properly to prevent leaks and water damage. Be cautious when handling materials and components to avoid injury or damage. Refer to the product manual for detailed instructions.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Hydroponics Growing System Base (with water tank and pump)
- LED Grow Light Panel
- Extendable Rod

- Growing Tray (8-pod capacity)
- 8 Grow Sponges
- 8 Planting Brackets
- 8 Germination Domes
- Pod Stickers (Labels)
- Tweezers
- Plant Food A & B (Nutrient Solutions)
- Power Adapter
- User Manual



Image: The Homeleafy Hydroponics Growing System kit, showing the main unit, LED grow light, and various accessories including grow sponges, planting brackets, germination domes, nutrient solutions, and tools.

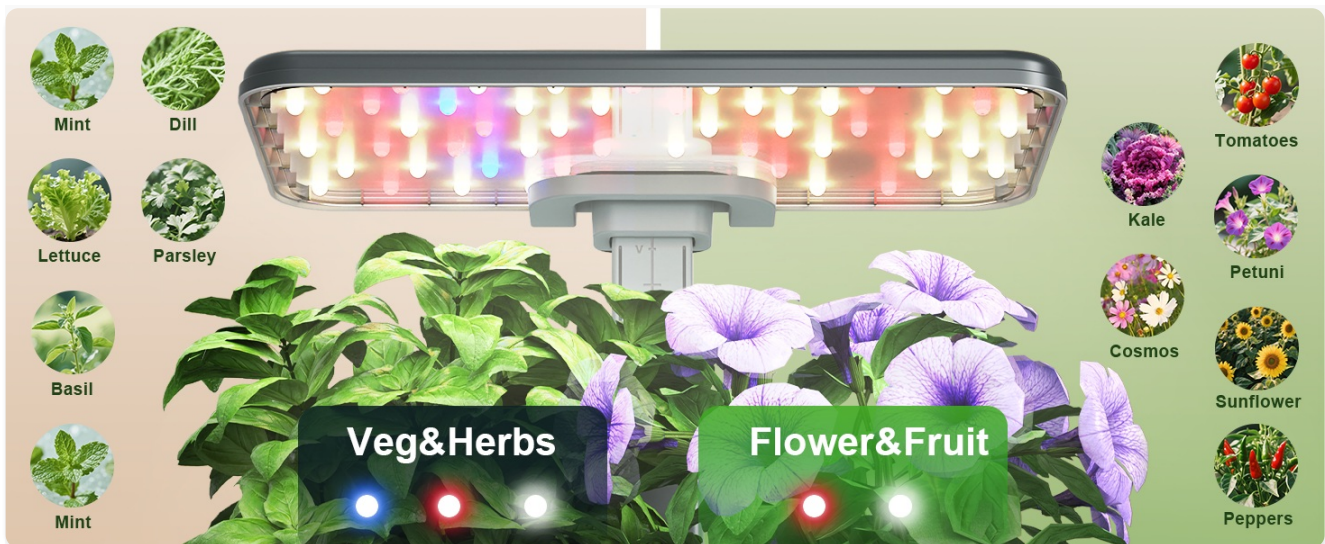


Image: A visual breakdown of the Homeleafy kit contents, including labels, covers, domes, tweezers, nutrients A/B, rods, brackets, and sponges.

4. SETUP INSTRUCTIONS

Follow these steps to assemble your Homeleafy Hydroponics Growing System:

1. **Attach the Extendable Rod:** Securely attach the extendable rod to the LED grow light panel. Ensure it clicks into place for a firm connection.
2. **Connect to Water Tank:** Insert the assembled rod and light panel into the designated slot on the water tank. Make sure it is snugly fitted and stable.
3. **Place Growing Tray:** Position the growing tray on top of the water tank, ensuring it sits correctly over the plant pods.
4. **Prepare Grow Sponges:** Wet each grow sponge thoroughly with water.
5. **Insert Sponges into Brackets:** Place a wet grow sponge into each planting bracket.
6. **Plant Seeds:** Carefully place 2-3 seeds of your choice into the hole of each sponge.
7. **Place Brackets in Tray:** Insert the planting brackets with seeds into the holes of the growing tray.
8. **Add Germination Domes:** Cover each planted pod with a germination dome to create a humid environment for sprouting.

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Video: An assembly guide demonstrating how to set up the Homeleafy hydroponics system, including attaching the light panel, placing the growing tray, and inserting seed pods.

Put Nature Into This Indoor Garden

Simply Operate Then Enjoy the Surprise Sprouting from the Soil



2 One Button Start

1 Easy to Install

Image: The Homeleafy system showing the extendable rod for the LED light and the control panel with buttons for power, plant mode, pump, and setup.

5. NUTRIENT SOLUTION CONFIGURATION

Proper nutrient solution is crucial for healthy plant growth. Follow these steps to prepare and add the nutrient solution:

1. **Prepare Nutrient Bottles:** Fill the Plant Food A and Plant Food B bottles (containing solid nutrient particles) with purified water. Shake each bottle vigorously until the contents are fully mixed and dissolved. These solutions can be stored for up to five months.
2. **Mix Solution:** Use the outer bottle cap as a measuring tool. Mix 5ml of Plant Food A solution with 5ml of water. Then, add this solution to 1 liter of water and stir well. Repeat the process with Plant Food B.
3. **Add to Water Tank:** Pour the blended nutrient solution into the water tank. Ensure the water pump is submerged and the water level does not exceed the maximum fill line.

Proportioning Ratio Table:

Water	Nutrient
1L	5ml A + 5ml B
2L	10ml A + 10ml B
3L	15ml A + 15ml B
4L	20ml A + 20ml B
5L	25ml A + 25ml B

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Video: A demonstration of preparing and adding nutrient solutions to the Homeleafy hydroponics system, highlighting the app control for pump and light settings.

6. OPERATING THE SYSTEM

Your Homeleafy system features smart controls for optimal plant growth:

- **LED Grow Light:** The light panel features three precise wavelengths and infrared LEDs to replicate natural sunlight. Customize light intensity and schedules via the app.
- **Water Pump:** The built-in water pump circulates water and nutrients. Adjust pump mode and schedule through the app.
- **App Control:** Download the Homeleafy app to remotely control your device. You can turn it on/off, adjust water pump mode, set light intensity, schedule 0-24 hour operation times, and customize plant growth plans by switching growth modes (e.g., Veg & Herbs, Flower & Fruit). The app also provides smart reminders for adding water and nutrients.
- **Adjustable Height:** The extendable rod allows you to adjust the height of the LED grow light to accommodate plants at different growth stages.

Crafted Brilliance In Every Inch

A Modern Stainless Steel Look Makes It a Stunning Highlight in Your Space



Image: The Homeleafy system demonstrating the adjustable height feature of the LED grow light, ranging from 11.2 to 18.5 inches to support plant growth.



Smart App Control

A Light Tap of Fingertips, Your Personal Farmer is Online

Image: A smartphone displaying the Homeleafy app interface, showing controls for power, plant days, brightness, light mode (Veg & Herbs, Flower & Fruit), pump mode, and light cycle settings.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your hydroponics system.

7.1. Cleaning the Water Pump

To prevent clogging and maintain efficient water circulation, clean the water pump periodically:

1. **Unlock and Open:** Gently unlock the small latch of the water pump and open the cover located above the pump.
2. **Remove Components:** Take out the sponge and the water pump body.
3. **Rinse Thoroughly:** Rinse both the sponge and the water pump body thoroughly with clean water.
4. **Reassemble:** Reinsert the sponge and water pump body, ensuring they are correctly placed, then close the cover and secure the latch.

Important Notes:

- Avoid using detergents, as they may interfere with the nutrient balance.
- Ensure the sponge is not misplaced within the water pump for the following reasons:
 - To prevent plant roots or other debris from clogging the water pump.
 - To minimize noise during the water pump's operation.

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Video: Instructions on how to clean the water pump of the Homeleafy hydroponics system, including disassembling, rinsing, and reassembling the components.

8. TROUBLESHOOTING

If you encounter any issues with your Homeleafy system, refer to the following common problems and solutions:

- **Plants not growing:**
 - Check nutrient levels and ensure they are correctly mixed.
 - Verify the LED grow light is functioning and set to the appropriate schedule and intensity for your plants.
 - Ensure the water pump is circulating water properly. Clean if necessary.
 - Confirm seeds are viable and planted correctly in the grow sponges.
- **Water pump not working:**
 - Check if the power adapter is securely connected.
 - Inspect the pump for any clogs or debris and clean it as described in the maintenance section.
 - Ensure the water level is sufficient for the pump to operate.
- **App connectivity issues:**
 - Ensure your device is connected to a 2.4GHz Wi-Fi network.
 - Restart the app and the hydroponics system.
 - Verify your Wi-Fi password and network settings.
- **Unusual noise from the system:**
 - Check the water pump for any obstructions or misaligned sponges. Clean and reassemble if needed.
 - Ensure the system is on a stable surface to minimize vibrations.

For further assistance, please contact Homeleafy customer support.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	10.86 x 6.37 x 12 inches
Item Model Number	IRON 1.0
Weight	3.83 Pounds
Brand	homeleafy
Material	Stainless Steel
Planting Capacity	8 Pods
Control	WiFi App Control
Light Type	LED Grow Light (Full Spectrum)

10. WARRANTY AND SUPPORT

Homeleafy products come with a standard manufacturer's warranty. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or any questions regarding your Homeleafy Hydroponics Growing System, please visit the official Homeleafy website or contact their customer service department.

Contact Information: (Please refer to your product packaging or official website for the most up-to-date contact details.)