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› LETPOT Hydroponics Growing System (Model LPH-Classic) - User Manual

LETPOT LPH-Classic

LETPOT Hydroponics Growing System

MODEL LPH-CLASSIC (12 PODS) - USER MANUAL

Introduction

This manual provides detailed instructions for the assembly, operation, maintenance, and troubleshooting of your LETPOT Hydroponics Growing System. This indoor gardening system is designed to facilitate the growth of various plants, including herbs, vegetables, and flowers, in a soil-free environment, utilizing a 24W full-spectrum LED grow light and an automated watering system.

Please read this manual thoroughly before initial use to ensure proper setup and optimal performance of your system.

Package Contents

Before beginning assembly, verify that all components are present:

- Main Base Unit with 5.5L Water Tank
- Adjustable Height Light Arm with 24W Full-Spectrum LED Grow Light
- 12 Grow Pods (Baskets)
- 12 Grow Sponges
- 12 Humidity Domes
- Plant Food (Nutrient Solutions A & B)
- Power Adapter
- Support Rods (for taller plants)
- Plant Labels
- Instruction Manual



Figure 1: Main components of the LETPOT Hydroponics Growing System.

Whisper-Quiet Watering System

Delivers Oxygen to Roots in Complete Comfort

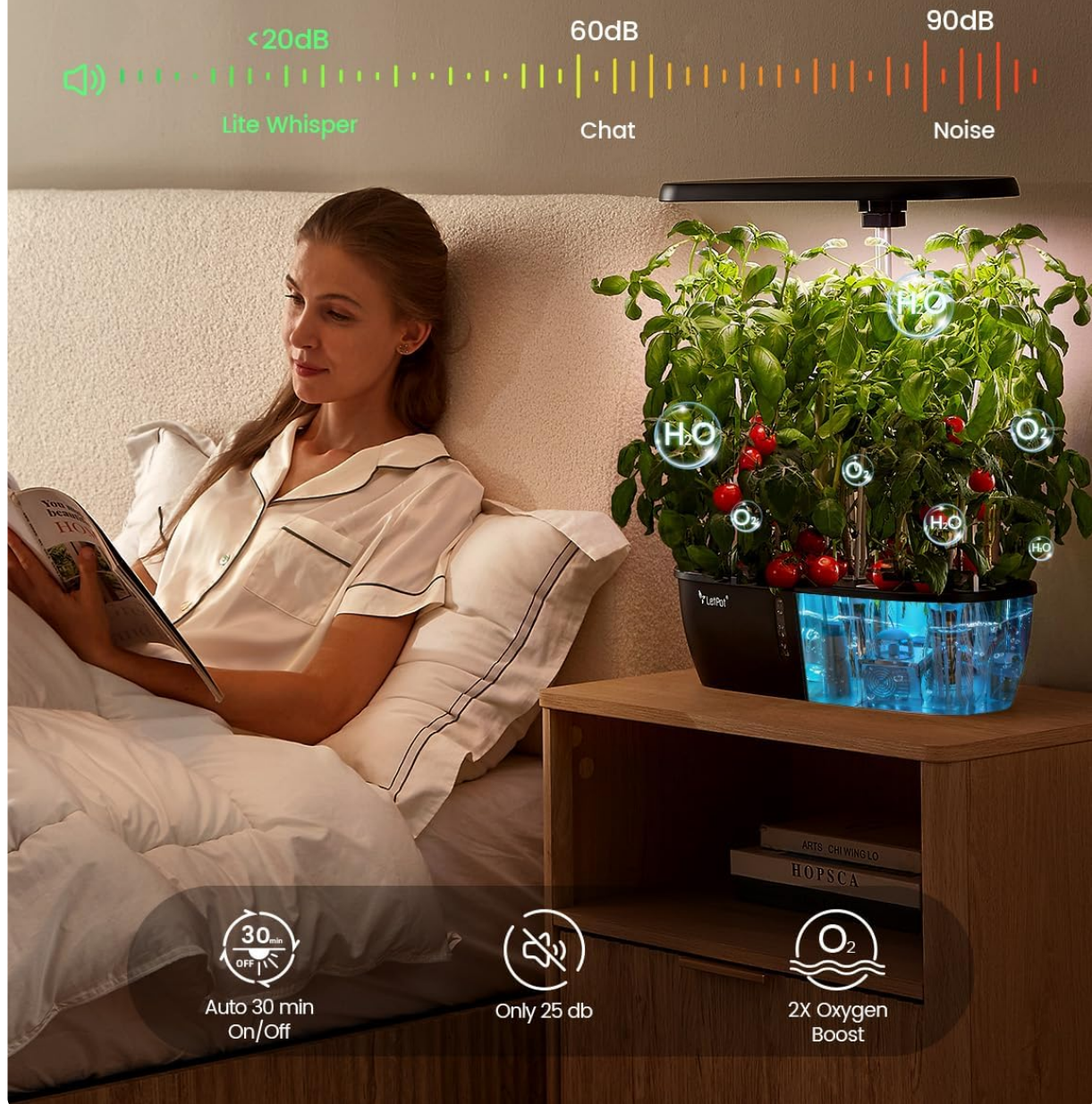


Figure 2: All included accessories and parts for the LETPOT Hydroponics Growing System.

Setup

- 1. Assemble the Light Arm:** Insert the adjustable light arm into the designated slot in the main base unit. Ensure it is securely seated.
- 2. Prepare Nutrient Solution:** Fill the 5.5L water tank with clean water up to the maximum fill line. Add the recommended amount of Plant Food A and Plant Food B solutions as per the instructions on their bottles. Stir gently to mix.
- 3. Insert Grow Pods:** Place the 12 grow baskets into the openings on the top cover of the system. Insert one grow sponge into each basket.

4. **Plant Seeds:** Place 1-2 seeds into the center of each grow sponge. For optimal germination, cover each planted pod with a humidity dome.
5. **Connect Power:** Plug the power adapter into the system and then into a standard electrical outlet.

Video 1: Overview of the LETPOT Classic Hydroponics Growing System Kit setup.

Video 2: Detailed instructions on how to plant seeds in your LETPOT Hydroponics System.

Operating Instructions

Your LETPOT system features an intelligent control panel for easy operation.

- **Power On/Off:** Press the power button on the control panel to turn the system on or off.
- **Select Grow Mode:** Choose between two specialized grow modes:
 - **Veggie Mode (Blue/Red/White):** Ideal for leafy greens and herbs.
 - **Fruit & Flower Mode (Red/White):** Optimized for fruiting plants like tomatoes and strawberries.
- **Adjust Light Height:** As your plants grow, adjust the height of the LED grow light arm to maintain an optimal distance from the plant canopy. The light arm is adjustable up to 16 inches.
- **Automated Timer:** The system features an 8/24 hour auto-timer for the grow light, ensuring plants receive consistent light cycles.
- **Quiet Pump:** The built-in pump automatically circulates water for optimal root oxygenation. It operates at a whisper-quiet level (below 20dB).

Intelligent Control Panel

Choose Growth Modes Freely with Ease



Figure 3: Control panel for selecting grow modes and adjusting settings.

Integrated Considerate Design

Height for Every Growth Stage



Figure 4: The adjustable light arm accommodates plants up to 16 inches tall.

Maintenance

- **Water Level:** Monitor the water level indicator on the side of the base unit. Refill the 5.5L water tank approximately once a month, or as needed, to ensure roots are submerged and the pump operates correctly.
- **Nutrient Replenishment:** Add nutrient solutions according to the plant's growth stage and water replenishment schedule. Refer to the plant food instructions for specific ratios and frequency.
- **System Cleaning:** Periodically clean the water tank and pump to prevent algae buildup and ensure optimal water circulation. Disconnect power before cleaning.

- **Humidity Domes:** Remove humidity domes once seeds have sprouted and seedlings have developed their first true leaves.

Troubleshooting

Problem	Possible Cause	Solution
Seeds not sprouting	Insufficient humidity, old seeds, incorrect temperature.	Ensure humidity domes are in place. Use fresh, viable seeds. Maintain room temperature between 68-78°F (20-25°C).
Slow plant growth	Incorrect light height, insufficient nutrients, water quality issues.	Adjust light closer to plants (but not touching). Verify nutrient solution concentration. Use filtered water if tap water is very hard.
Algae growth in water tank/pods	Excess light exposure to water, high nutrient levels.	Ensure light-blocking stickers are properly placed on unused pods. Clean the tank and reduce nutrient concentration slightly if severe.
Pump not working	Low water level, clogged pump.	Check water level and refill. Disconnect power, remove pump, and clean any debris from the impeller.

Specifications

- **Model Number:** LPH-Classic (Classic-12)
- **Material:** Acrylonitrile Butadiene Styrene (ABS), Plastic
- **Color:** Gray
- **Water Tank Capacity:** 5.5 Liters
- **Number of Pods:** 12
- **LED Grow Light:** 24W Full-Spectrum
- **Adjustable Height:** Up to 16 inches
- **Pump:** Whisper-Quiet, Auto-Circulating
- **Timer:** 8/24 Hour Auto Timer
- **Dimensions:** 16 x 7 x 9.8 inches
- **Item Weight:** 1.94 Kilograms

Warranty and Support

Your LETPOT Hydroponics Growing System comes with a standard 30-day return policy. For specific warranty details, technical support, or any inquiries not covered in this manual, please refer to the contact information provided on the product packaging or visit the official LETPOT website.