LETPOT LPH-SE

LetPot LPH-SE 12 Pods Smart Hydroponics Growing System Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your LetPot LPH-SE 12 Pods Smart Hydroponics Growing System. This system is designed for indoor cultivation of herbs, vegetables, and flowers without soil, utilizing a smart app and integrated lighting for optimal plant growth.

Figure 1: LetPot LPH-SE Hydroponics Growing System in operation.

2. Package Contents

Verify that all components are present in your package:

- LetPot LPH-SE Hydroponics Growing System Unit (with integrated LED light and water pump)
- 12 Planting Cups
- 12 Grow Sponges
- 12 Baskets
- 6 Germination Covers (Humidity Domes)
- A & B Liquid Nutrients (100ml each)
- Power Adapter
- Support Rods (for taller plants)
- Plant Tags
- Light-blocking Stickers
- User Manual

Figure 2: Included accessories for the LetPot LPH-SE system.

3. ASSEMBLY & INITIAL SETUP

1. **Place the Unit:** Position the hydroponics system on a stable, flat surface indoors, away from direct sunlight or heat sources.

2. **Extend the LED Light:** Gently pull up the telescopic pole to extend the LED grow light to its desired height. The light is adjustable up to 30 inches.

3. **Prepare Grow Sponges:** Soak the grow sponges in water for 1-2 hours (or overnight for best results) to allow them to expand.

4. **Insert Sponges and Seeds:** Place one soaked grow sponge into each planting cup. Insert 1-2 seeds into the hole of each sponge.

5. **Place Planting Cups:** Insert the planting cups with sponges and seeds into the designated holes on the grow deck. If not all holes are used, cover them with light-blocking stickers to prevent algae growth.

6. **Add Water:** Carefully pour water into the water tank through the designated fill port until the water level indicator reaches the 'Max' line. The tank has a 5.5-liter capacity.

7. **Add Nutrients:** Following the instructions on the nutrient bottles, add the appropriate amounts of A and B liquid nutrients to the water tank. Shake the bottles well before use.

8. **Connect Power:** Plug the power adapter into the unit's power port and then into a wall outlet. The system will power on.

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Video 1: A seller demonstrates the initial setup of the LetPot Hydroponics Growing System, including placing sponges, adding water, and connecting power.

4. OPERATING INSTRUCTIONS

4.1 Smart Features & App Control

The LetPot LPH-SE system can be controlled via the exclusive LetPot app (available on Android and iOS). Connect the unit to your home WiFi network for full functionality.

- **LED Lighting Schedule:** Adjust the 0-24 hour LED lighting schedule to provide optimal light for your plants.
- **Water Shortage Reminder:** The app provides innovative reminders to ensure you never forget to water your plants.
- **Growing Days Record:** The app can record the growing days of your plants, helping you track their progress.

- **Plant Encyclopedia:** Access a plant wiki within the app for information on plant care.

Figure 3: LetPot app interface for controlling the system.

4.2 LED Grow Light System

The system features a true 24-watt full-spectrum LED lighting system designed to mimic natural sunlight, promoting photosynthesis and growth.

- **2 Growing Modes:** Choose between two LED lighting modes:

  - **Vegetative Growth Mode:** Provides more blue light for leafy greens and herbs.
  - **Blooming/Fruiting Mode:** Provides more red light for flowering and fruiting plants.

- **Adjustable Brightness:** Customize the light brightness via the app or control panel.

- **Adjustable Height:** The LED lighting rod is adjustable up to 30 inches to accommodate plants at different growth stages.

Figure 4: Detailed view of the 24W full-spectrum LED light.

4.3 Water & Nutrient Management

The system includes a large water tank and an automated pump for efficient water and nutrient delivery.

- **5.5-Liter Water Tank:** Allows for up to 3 weeks of growth without frequent refilling.
- **Silent Water Pump:** Circulates water and nutrients, providing sufficient oxygen for healthier roots. The pump operates quietly.
- **Water Level Indicator:** A visible indicator helps monitor the water level in the tank.

Figure 5: Water tank capacity and adjustable light height.

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Video 2: A user demonstrates the water pump in action, showing water circulating within the system.

4.4 Planting & Growth

- **Germination:** Use the provided germination covers (humidity domes) over the planting cups to create a humid environment, aiding in seed germination. Remove the domes once seedlings emerge and their leaves touch the dome.
- **Thinning:** If multiple seeds germinate in one sponge, thin them to the strongest seedling to ensure optimal growth.
- **Support:** As plants grow taller, use the provided support rods to prevent them from bending or falling over.

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Video 3: A time-lapse video demonstrating lettuce growth from seed to harvest in under 30 days using the LetPot system.

5. MAINTENANCE

- **Water Refill:** Monitor the water level indicator regularly. Refill the tank with fresh water when the level drops significantly.

- **Nutrient Replenishment:** Follow the nutrient guide provided with your system for recommended intervals and dosages for adding liquid nutrients. Typically, nutrients are added every 1-3 weeks, depending on plant type and growth stage.

- **Cleaning:** Periodically clean the water tank and pump to prevent algae buildup and ensure optimal system performance. Disassemble the grow deck and clean components with mild soap and water. Rinse thoroughly.

6. TROUBLESHOOTING

If you encounter any issues with your LetPot system, please refer to the following general troubleshooting tips:

- **Plants not growing:** Ensure adequate water and nutrient levels. Check that the LED light schedule is appropriate for your plant type and that the light is positioned correctly. Verify that the pump is operating.

- **Algae growth:** Ensure unused planting holes are covered with light-blocking stickers. Clean the reservoir regularly.

- **Pump not working:** Check power connections. Ensure the water level is sufficient for the pump to operate. Clean the pump if it appears clogged.

- **App connectivity issues:** Ensure your device is within range of your WiFi network and that the system is properly connected. Restart the app and the hydroponics unit if necessary.
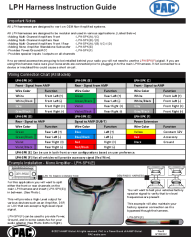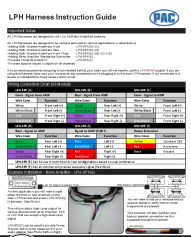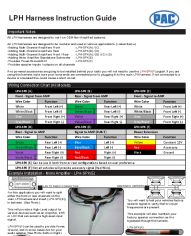
7. SPECIFICATIONS

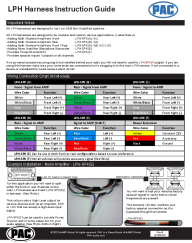| Feature	Detail
Brand	LETPOT
Model Number	LPH-SE
Material	Stainless Steel
Color	Silver
Planting Capacity	12 Pods
LED Grow Light	24W Full Spectrum
Water Tank Capacity	5.5 Liters
LED Light Adjustable Height	Up to 30 inches

Control Method	APP & WiFi Controlled
Product Dimensions	16 x 7 x 9.8 inches
Item Weight	5.22 pounds

8. WARRANTY & SUPPORT

All LetPot products come with a lifetime of service and continuous remote hardware and app upgrades via Wi-Fi, ensuring you always have access to the latest features and support. For further assistance or warranty claims, please contact LetPot customer service.
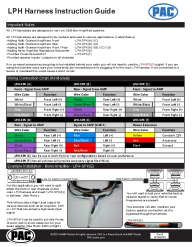
Related Documents - LPH-SE

	LetPot D3 Automatic Watering System User Manual - Smart Garden Irrigation Comprehensive user manual for the LetPot D3 Automatic Watering System. Learn how to install, set up, and operate your smart garden irrigation system via Bluetooth and Wi-Fi. Includes troubleshooting and customer support information.
	PAC LPH Harness Instruction Guide Instruction guide for PAC LPH harnesses, detailing their use in OEM non-amplified systems for adding multi-channel amplifiers, mono amplifiers, and providing power/ground/ACC connections. Includes wiring charts and installation examples.
	PAC LPH Harness Instruction Guide for Non-Amplified Systems Instruction guide for PAC LPH harnesses, detailing their use in adding multi-channel amplifiers, mono amplifiers, and providing power/ground/ACC connections for OEM non-amplified car audio systems.
	PAC LPH Harness Instruction Guide Instruction guide for PAC LPH harnesses, detailing their use in OEM non-amplified systems for adding multi-channel amplifiers, mono amplifiers, and providing power/ground/ACC connections. Includes wiring charts and installation examples.

[PAC LPH Harness Instruction Guide](#)

Instruction guide for PAC LPH harnesses, detailing their use in OEM non-amplified systems for adding multi-channel amplifiers, mono amplifiers, and providing power/ground/ACC connections. Includes wiring charts and installation examples.

[PAC LPH Harness Instruction Guide for OEM Audio Systems](#)

Detailed instructions for using PAC LPH harnesses to connect aftermarket amplifiers, DSPs, or LOCs to OEM non-amplified car audio systems. Covers LPH-SPK models A-F and wiring configurations.