

GARDENCUBE HP-GC001

GARDENCUBE Hydroponics Growing System User Manual

Model: HP-GC001
Brand: GARDENCUBE

1. INTRODUCTION

Welcome to the world of indoor gardening with your new GARDENCUBE Hydroponics Growing System. This 8-pod indoor herb garden is designed to provide a quiet, automatic, and height-adjustable environment for growing a variety of plants, herbs, fruits, and vegetables year-round. Its advanced LED grow light simulates natural sunlight, promoting rapid and healthy plant growth up to 5 times faster than traditional soil methods. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your system to ensure a successful and enjoyable gardening experience.



The GARDENCUBE Hydroponics Growing System, ready for cultivation.

2. PRODUCT COMPONENTS

Your GARDENCUBE Hydroponics Growing System comes with all the necessary components to start your indoor garden. Please ensure all items are present before beginning setup:

- Hydroponics Growing System Base Unit (with 3L water tank)
- Adjustable LED Grow Light Panel
- Power Adapter
- 8 x Planting Baskets
- 8 x Grow Sponges
- 8 x Covers
- 8 x Plant Tags
- 8 x Grow Domes

- A&B Nutrients (liquid and refill packets)
- Support Rods for plant growth (8 included)



All components included in the GARDENCUBE Hydroponics Growing System kit.

3. SETUP INSTRUCTIONS

Follow these simple steps to set up your hydroponics system:

1. **Prepare Seeds and Sponges:** Soak your chosen seeds and grow sponges in pure water for 5-12 hours. This helps with initial germination.
2. **Insert Seeds:** Place your soaked seeds into the center of each soaked grow sponge. Then, insert the sponges into the planting baskets. Cover each basket with a grow dome to create a humid environment for germination.
3. **Add Water and Nutrients:** Fill the 3L water tank with clean water up to the 'Max' line. Add 15ml of Nutrient A and 15ml of Nutrient B to the water. Stir gently to mix. The viewing window allows easy monitoring of water levels.
4. **Power On and Select Mode:** Connect the power adapter to the system and a power outlet. Press the power button on the control panel. Select your desired grow mode (e.g., Vegetables, Flowers & Fruits) based on the plants you are growing. The system's smart timer will automatically manage the light cycle.



Easy 4-step setup process for your GARDENCUBE system.

4. OPERATING INSTRUCTIONS

Your GARDENCUBE system is designed for ease of use with intelligent features:

Light System

The 24-watt LED grow light simulates sunlight, providing optimal conditions for photosynthesis. The light panel can be adjusted up to 180° and extended up to 21 inches in height to accommodate plant growth. The smart timer automatically provides 16 hours of light followed by 8 hours of rest for your plants.

Faster Growth All-Year Harvest

24w
High Efficiency

180° & 21"
Adjustable Angle & Height



5X Faster
Growth Than Soil

The adjustable LED grow light provides optimal conditions for plant growth.

Water Circulation and Monitoring

The super quiet (less than 20 dB) water pump circulates water every 30 minutes, ensuring roots receive sufficient oxygen and nutrients. The system includes a water shortage indicator light that illuminates when the water level is low, prompting you to refill the tank.

Smart Quiet Watering System

Provide enough oxygen for plant roots to thrive



20dB
GardenCube
HP-GC001

60dB
Indoor chat

90dB
Noise

30
min

30 Mins
On/Off

Low Water
Auto Off

Low Water
Indicator Light

The quiet water pump and low water indicator ensure optimal hydration.

Growth Modes

The smart control panel allows you to select different growth modes optimized for various plant types:

- **Vegetables Mode:** Utilizes Red, Blue, White, and IR LEDs for leafy greens and herbs.
- **Flowers & Fruits Mode:** Utilizes Red, White, and IR LEDs for flowering plants and fruiting vegetables.

Smart Control Panel

Growth models for free choice, easy to operate

16 hours / day



Choose the appropriate growth mode for your plants.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your GARDENCUBE system:

- **Water and Nutrient Refill:** Check the water level regularly using the viewing window. Refill water and nutrients as needed, typically every 1-2 weeks, or when the low water indicator illuminates. Use the provided nutrient refills or suitable hydroponic plant food.

- **Cleaning:** The LED light pole is detachable for easy cleaning. Periodically clean the water tank and pump to prevent algae buildup and ensure proper circulation. Always unplug the unit before cleaning.
- **Pruning:** As plants grow, prune them to encourage bushier growth and prevent overcrowding, especially for larger plants.

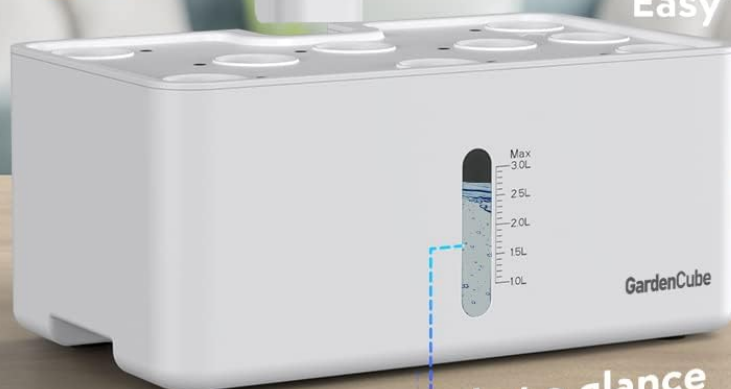
Detachable Design 3L Large Capacity

Sufficient water for
1-2 weeks

3L



Easy to clean



Water level at a glance

The detachable design simplifies cleaning and maintenance.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Plants not growing or slow growth	Insufficient nutrients, incorrect light cycle, old seeds, improper water level.	Ensure proper nutrient concentration, verify 16/8 hour light cycle, use fresh seeds, maintain optimal water level.
Pump making loud noise or not circulating water	Pump clogged, low water level, pump malfunction.	Check water level and refill. Clean the pump and water tank to remove debris. If issue persists, contact customer support.
LED grow light not turning on	Power connection issue, light panel detached, internal malfunction.	Check power adapter connection. Ensure the light pole is securely attached. If still not working, contact customer support.
Water leakage	Drain plug not fully inserted, crack in tank.	Ensure the small plug on the back/bottom of the unit is fully pushed in. Inspect the tank for any visible damage.

7. SPECIFICATIONS

Feature	Detail
Model Number	HP-GC001
Material	Plastic
Color	White
Dimensions (L x W x H)	11 x 7 x 8 inches
Item Weight	3.68 pounds
Water Tank Capacity	3 Liters
Number of Pods	8
Light Power	24-watt LED
Light Adjustment	180° angle, up to 21 inches height
Pump Noise Level	Less than 20 dB
Indoor/Outdoor Usage	Indoor

8. WARRANTY AND SUPPORT

GARDENCUBE offers a **2-year warranty** on all its products, including your Hydroponics Growing System. This warranty covers manufacturing defects and ensures you receive dedicated customer service.

For any questions, technical support, or warranty claims, please contact GARDENCUBE customer service.

You can enjoy 7x24 hours service when purchasing all Garden Cube products.

Contact Information:

Please refer to the contact details provided on the product packaging or the official GARDENCUBE website for the most up-to-date support information.