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GOLUMUP ZG1002

GOLUMUP ZG1002 Hydroponics Growing System Kit User Manual

Model: ZG1002



The GOLUMUP ZG1002 Hydroponics Growing System Kit, shown with thriving basil plants.

INTRODUCTION

Welcome to the user manual for your GOLUMUP ZG1002 Hydroponics Growing System Kit. This system is designed to provide an efficient and convenient way to grow herbs, vegetables, and flowers indoors without soil. Please read this manual thoroughly before operating your device to ensure proper setup, optimal performance, and longevity.

PRODUCT COMPONENTS

Before assembly, please verify that all components listed below are present in your package. Refer to the diagram for visual identification.



Detailed diagram showing the numbered components of the hydroponics system.

1. LED Light Panel
2. Water Tank
3. Water Level Indicator
4. Extendable Lamp Post
5. Water Pump
6. Water Inlet
7. Planting Basket (6 units)
8. Power Cord Interface

9. Water Pump Cable Interface

SETUP INSTRUCTIONS

- 1. Unpack Components:** Carefully remove all parts from the packaging.
- 2. Assemble Lamp Post:** Insert the extendable lamp post (4) into the designated slot on the water tank (2). Ensure it is securely seated.
- 3. Connect Power:** Connect the power cord to the power cord interface (8) on the unit.
- 4. Connect Water Pump:** Connect the water pump cable to the water pump cable interface (9). Ensure the water pump (5) is correctly placed inside the water tank (2).
- 5. Fill Water Tank:** Open the water inlet (6) and fill the water tank (2) with clean water up to the "2.0L MAX" line indicated on the water level indicator (3).
- 6. Prepare Planting Baskets:** Place your chosen seeds into the planting baskets (7) with grow sponges. It is recommended to soak seeds overnight before planting for better germination, though some users report success without soaking.
- 7. Insert Planting Baskets:** Place the prepared planting baskets (7) into the openings on the water tank lid.
- 8. Add Nutrients:** Add appropriate hydroponic plant nutrients to the water tank according to the nutrient manufacturer's instructions. Some users find adding nutrients at setup beneficial, while others wait until seeds sprout. Follow the nutrient product's specific guidance.

OPERATING INSTRUCTIONS

1. Power On and Light Settings

After connecting the power, the system will be ready for operation. The GOLUMUP ZG1002 features a 15W LED light panel with 82 beads, optimized for plant growth.

15W LED light panel with a total of 82 beads

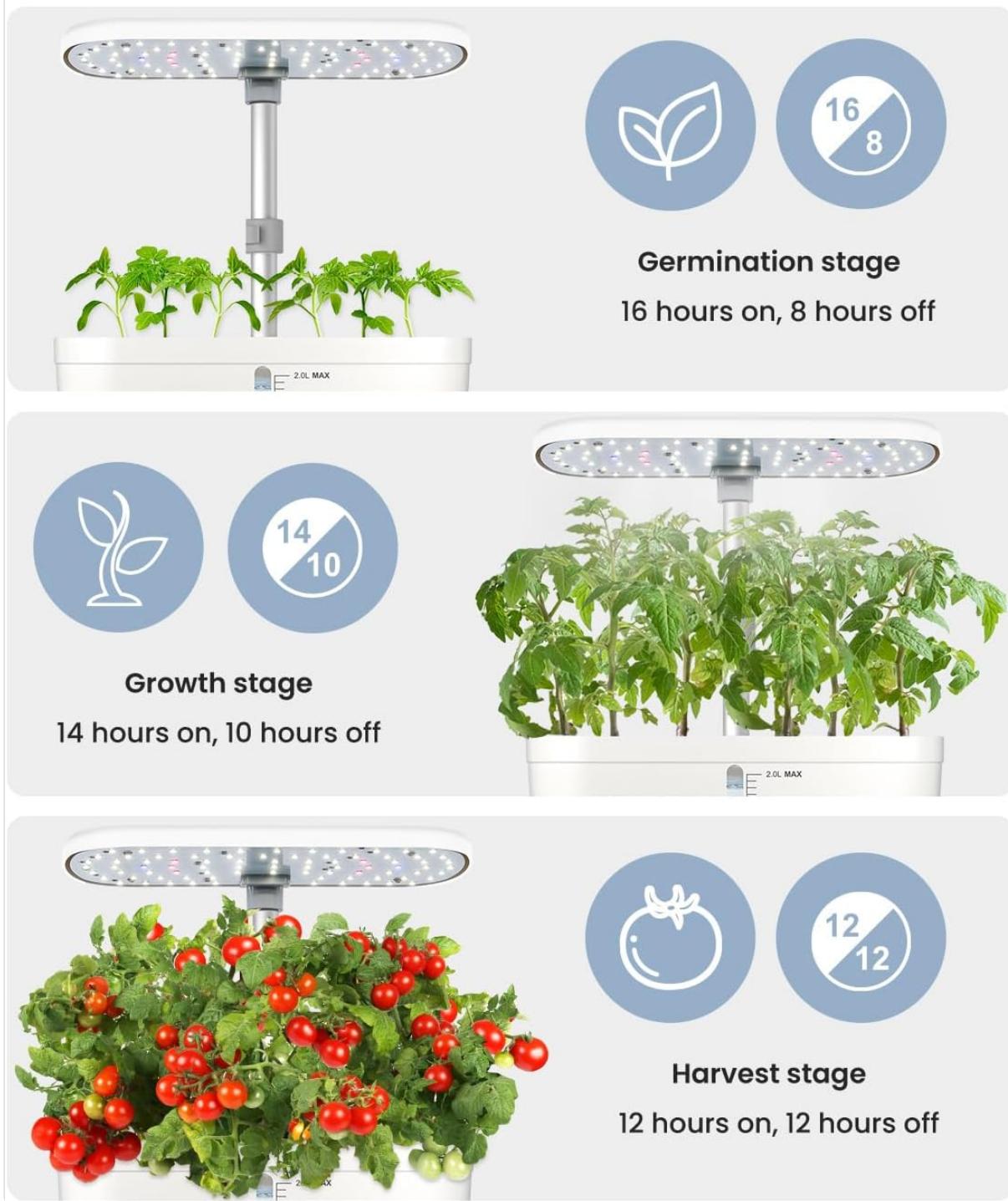


The 15W LED light panel features 82 beads, providing an optimized red and blue light ratio for plant growth.

2. Intelligent Automatic Lighting Modes

The system offers three intelligent automatic lighting modes to support different plant growth stages. Select the appropriate mode using the control button.

Automatic lighting settings for different growth stages:



Visual representation of the three automatic lighting modes: Germination, Growth, and Harvest.

- **Mode 1 (Germination Stage):** 16 hours ON, 8 hours OFF. Ideal for successful germination and healthy seedling development.
- **Mode 2 (Growth Stage):** 14 hours ON, 10 hours OFF. Suitable for vigorous plant growth.
- **Mode 3 (Harvest Stage):** 12 hours ON, 12 hours OFF. Optimized for abundant yields.

3. Water Pump Operation

The integrated water pump operates silently to provide oxygen to plant roots. It runs on a cycle of 5 minutes ON and 25 minutes OFF.

Silent operation of water pump Provides oxygen to plant roots

30dB
GOLUMUP
ZG1002

60dB
Outdoor
environment

90dB
Noisy
environment



Illustration of the water pump's silent operation and its timed cycle.

4. Water Level Monitoring

Monitor the water level using the intuitive water level indicator on the side of the tank. Ensure the water level remains above the minimum mark to prevent the pump from running dry.

MAINTENANCE

- Water Refill:** Check the water level daily and refill as needed, typically once a week, to maintain optimal hydration for your plants. Always ensure the water level is above the minimum mark.

- **Nutrient Replenishment:** Follow the instructions provided with your hydroponic nutrients for replenishment frequency. This usually involves adding nutrients with each water refill or every few weeks.
- **Pump Cleaning:** If the pump's performance decreases or it stops working, disconnect the power and carefully remove the pump from the tank. Clean any debris or mineral buildup from the pump impeller and housing. Reassemble and test.
- **System Cleaning:** Periodically, especially between growth cycles, empty the water tank and clean it thoroughly to prevent algae growth and mineral buildup.
- **Light Panel Adjustment:** Adjust the height of the LED light panel as your plants grow to maintain an optimal distance for light exposure. The extendable lamp post allows for easy height adjustment.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not working	<ul style="list-style-type: none"> • Power disconnected • Pump clogged with debris • Water level too low 	<ul style="list-style-type: none"> • Check power connection. • Disconnect power, remove and clean pump impeller and housing. • Ensure water level is above the minimum mark.
Poor seed germination	<ul style="list-style-type: none"> • Seeds not viable • Incorrect light cycle • Lack of nutrients 	<ul style="list-style-type: none"> • Use fresh, high-quality seeds. • Ensure "Germination Stage" (16 hours ON) light mode is selected. • Add hydroponic nutrients at setup or shortly after planting.
Slow plant growth	<ul style="list-style-type: none"> • Insufficient light • Incorrect nutrient levels • Water quality issues 	<ul style="list-style-type: none"> • Adjust light panel height; ensure "Growth Stage" (14 hours ON) is selected. • Check and adjust nutrient concentration according to product instructions. • Ensure clean water is used and changed regularly.

BENEFITS OF HYDROPONIC GROWING

Hydroponic systems offer several advantages over traditional soil-based gardening, allowing for faster growth and year-round cultivation.

Hydroponic crops usually grow 20% to 50% faster than soil-grown crops

30 days



30 days



- ✓ No soil, clean
- ✓ Add water once a week
- ✓ No pesticide or pest risks
- ✓ Stable indoor temperature environment

- ✗ With soil, dirty
- ✗ Water needs to be added daily
- ✗ Pesticide and pest risks
- ✗ Outdoor environment affected by extreme conditions

Visual comparison illustrating the benefits of hydroponic cultivation, such as faster growth and reduced maintenance, compared to traditional soil gardening.

- **Faster Growth:** Hydroponic crops typically grow 20% to 50% faster than soil-grown crops.
- **Clean and Soil-Free:** Eliminates soil, reducing mess and the risk of soil-borne pests.
- **Reduced Water Usage:** Efficient water circulation minimizes water waste.
- **Pesticide-Free:** Controlled indoor environment reduces the need for pesticides.
- **Stable Environment:** Provides a consistent growing environment, unaffected by external weather conditions.

COMPATIBLE PLANTS

The GOLUMUP ZG1002 system is suitable for growing a variety of herbs, leafy greens, and small fruiting plants. Examples include:



				
Basil	Arugula	Spinach	Oregano	Stevia
				
Mizuna	Rosemary	Cherry tomato	Strawberry	Chili

Examples of herbs and vegetables suitable for cultivation in the GOLUMUP ZG1002 Hydroponics Growing System.

- Herbs: Basil, Arugula, Spinach, Oregano, Stevia, Mizuna, Rosemary
- Small Fruiting Plants: Cherry Tomato, Strawberry, Chili

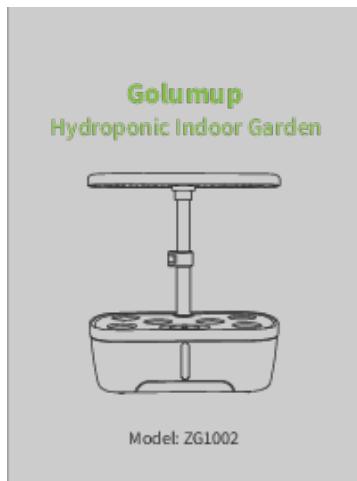
SPECIFICATIONS

- **Model Number:** ZG1002
- **Product Dimensions:** 11.5 x 10 x 6 inches (29.2 x 25.4 x 15.2 cm)
- **Item Weight:** 2.86 pounds (1.3 kg)
- **Manufacturer:** GOLUMUP
- **ASIN:** B0C7V1LCZB
- **Pods Capacity:** 6
- **LED Grow Light:** 15W, Full-Spectrum (82 beads)
- **Water Tank Capacity:** 2.0 Liters (Max)
- **Pump Cycle:** 5 minutes ON, 25 minutes OFF

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your GOLUMUP ZG1002 Hydroponics Growing System Kit, please refer to the manufacturer's official website or contact GOLUMUP customer service directly. Contact details are typically provided in the product packaging or on the manufacturer's website.

Documents - GOLUMUP – ZG1002



[\[pdf\]](#)

006525 Coloque el sistema de cultivo hidropónico sobre una mesa o suelo plano y conecte correctamente cable la bomba agua alimentación B1N nYO6QuLm media amazon images I B1N nYO6QuL ref dp product quick view |||
Golumup Hydroponic Indoor Garden Model:**ZG1002** EN 1-8 DE 9-16 FR 17-24 IT 25-32 ES 33-40 Product description EN 1 2 4 3 5 6 7 Front 1. LED Light Board 2. Retractable Poles 3. Planting Board 4. Planting Baskets 5. Tank Cover 6. Water Tank 7. Water Level Visual Window 1 2 Back 1...
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