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MetryGrow MG-15 Hydroponic Growing System Instruction Manual

Model: MG-15 | Brand: MetryGrow

INTRODUCTION

The MetryGrow MG-15 Hydroponic Growing System is an advanced indoor gardening solution designed for cultivating herbs, leafy greens, fruits, and flowers year-round. This system utilizes a soil-free method, promoting faster plant growth and simplifying maintenance. With its full-spectrum LED grow light, automated features, and adjustable design, the MG-15 provides an efficient and enjoyable gardening experience for all skill levels.

PACKAGE CONTENTS

Before beginning assembly, please ensure all items listed below are present in your package. Seeds are not included and must be purchased separately.

- 15-Pod Capacity Hydroponics Growing System (Base Unit)
- Adjustable Light Stand with 24W Full-Spectrum LED Grow Light
- 15 Growing Sponges
- 15 Plant Baskets
- 15 Germination Covers
- 8 Shade Covers (for unused pods)
- 2 Nutrient Bottles (A and B)
- 10 Support Rods
- Labels
- Power Adapter

(Seeds Not Included)



Plug Adapter



Sponge



Basket Kit



Germination Cover



Shade Cover



A Solid Nutrient



B Solid Nutrient



Tag



Light-blocking Sticker



Support Rod

Image: All components included in the MetryGrow MG-15 Hydroponic Growing System package, laid out on a surface.

SETUP INSTRUCTIONS

Follow these steps to assemble your MetryGrow MG-15 Hydroponic Growing System:

1. **Install Light Rod:** Insert the telescopic light rod into the designated slot in the base unit until it is fully seated and secure.
2. **Connect Power:** Plug the pump's power cord into the DC jack on the back of the water tank, then connect the power adapter to a wall outlet.
3. **Set Light Height:** Press the button on the light stand to adjust the height of the light panel. For initial setup, position it at a lower height.
4. **Mix Nutrients:** In a separate container, add 25 ml each of Nutrient A and Nutrient B into 4 liters of pure water. Stir well.
5. **Fill the Tank:** Pour the prepared nutrient solution into the reservoir of the base unit, ensuring the water level does not exceed the MAX line.
6. **Add Seeds:** Place 1-2 seeds into each growing sponge, then insert the sponges into the plant baskets. Place the baskets into the designated holes on the grow deck.
7. **Cover & Dome:** Apply the light-blocking stickers over the plant baskets and place the clear germination domes on top of each seeded pod. Use shade covers for any unused holes.
8. **Start Growing:** Once all steps are complete, power on the system and select the appropriate growth mode.



Image: Visual guide illustrating the quick start steps for the MetryGrow Hydroponic System, from assembly to planting.

Your browser does not support the video tag.

Video: An official demonstration of the MetryGrow Hydroponics Growing System setup and initial use.

OPERATING INSTRUCTIONS

Light Modes

The MG-15 features a 24W full-spectrum LED grow light with two specialized modes to support different plant growth stages:

- **Vegetable Mode (Blue/Red/White):** Ideal for leafy greens, herbs, and vegetables, promoting robust foliage growth.
- **Fruit & Flower Mode (Red/White):** Optimized for flowering plants and fruiting vegetables, encouraging blooming and fruit development.

Switch between modes using the touch panel buttons located on the light panel. The system includes a built-in 16-hour on/8-hour off timer for automated light cycles.



Image: The smart control panel of the MetryGrow MG-15, highlighting the two distinct growth modes for vegetables and fruits/flowers.

Watering and Pump Operation

The system includes a quiet pump that operates on a 30-minute cycle to ensure proper water circulation and oxygenation, preventing root rot and promoting healthy plant development. The 5.5L water tank features a clear level window, allowing for easy monitoring of water levels. Refilling is typically required only once a month, depending on plant consumption.



Image: Diagram illustrating the quiet auto-watering system with a 5.5L tank, showing water circulation and oxygenation for healthy roots.

Adjustable Light Height

The light stand is adjustable up to 14 inches (35.5 cm) to accommodate various plant heights throughout their growth stages. To adjust, gently press the release button on the stand and slide the light panel up or down to the desired position. Ensure the light is positioned appropriately above your plants for optimal growth without causing burn.



Image: Illustration of the adjustable light height feature of the MetryGrow MG-15, showing how to raise and lower the light panel for different plant growth stages.

MAINTENANCE

- **Water Refill:** Monitor the water level window and refill the 5.5L tank with nutrient solution approximately once a month, or as needed based on plant size and environmental conditions.
- **Cleaning:** The detachable USB-powered light panel and removable trays are designed for easy cleaning. Regularly wipe down surfaces to prevent algae growth and maintain hygiene.
- **Nutrient Management:** Follow the recommended nutrient dosage for your specific plants. Over- or under-feeding can impact plant health.

SPECIFICATIONS

Feature	Detail
Model	MG-15
Brand	MetryGrow
Item Weight	4.22 pounds
Item Package Dimensions L x W x H	17.17 x 7.6 x 6.81 inches
Color	Black
Material	Resin
Style	Modern
Tank Volume	5.5 Liters
Grow Light	24W Full-Spectrum LED
Pod Capacity	15 Pods
Adjustable Stand Height	Up to 14 inches
Pump Cycle	30-minute cycle

SUPPORT & WARRANTY

MetryGrow is committed to providing excellent customer service. If you encounter any issues or have questions regarding your MG-15 Hydroponic Growing System, please contact our dedicated support team. We aim to reply to all inquiries within 12 hours to ensure a worry-free experience.

For specific warranty information, please refer to the documentation included with your product or contact MetryGrow customer support directly.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question