

MetryGrow MG-SSK-H

MetryGrow 80-Cell Seed Starter Kit Instruction Manual

Model: MG-SSK-H | Brand: MetryGrow

INTRODUCTION

Welcome to your MetryGrow 80-Cell Seed Starter Kit. This kit is designed to provide an optimal environment for germinating seeds and nurturing seedlings indoors. It includes an 80-cell tray system, a 48W full-spectrum LED grow light, and a 30W heating mat with smart control, ensuring healthy plant development from the start.

SAFETY INFORMATION

- Read all instructions thoroughly before operating the device.
- Keep all electrical components, including the grow light and heating mat, away from water to prevent electric shock.
- Ensure adequate ventilation around the kit to prevent overheating and promote healthy plant growth.
- Do not attempt to modify or disassemble any part of the product. This may void the warranty and pose safety risks.
- Always unplug the unit from the power source before performing any cleaning or maintenance.

PACKAGE CONTENTS

Please verify that all the following components are present in your kit:

- 2 x 40-Cell Seedling Trays (Total 80 cells)
- 2 x Clear Humidity Domes with Adjustable Vents
- 1 x Waterproof Base Tray
- 1 x 48W Full Spectrum LED Grow Light with Adjustable Stand
- 1 x 30W Heating Mat with Smart Controller
- 1 x Power Adapter for Grow Light
- 1 x Power Adapter for Heating Mat

80-Cell Complete Seed Starter Kit

Grow up to 80 seedlings at once — full set includes light, dome, and heating mat.



This image illustrates the complete MetryGrow 80-Cell Seed Starter Kit, highlighting the individual components such as the seedling cell trays, clear humidity domes, water reservoir tray, heating mat, and the adjustable grow light with its stand.

SETUP INSTRUCTIONS

1. **Assemble the Base:** Place the waterproof base tray on a stable, level surface where you intend to grow your seedlings.

2. **Position Heating Mat:** Lay the 30W heating mat flat inside the waterproof base tray. Ensure the mat's smart controller is easily accessible.
3. **Place Seedling Trays:** Insert the two 40-cell seedling trays into the waterproof base, positioning them directly on top of the heating mat.
4. **Fill with Medium:** Fill each cell with your preferred seed-starting mix. Gently moisten the mix.
5. **Plant Seeds:** Plant seeds according to their specific depth and spacing requirements.
6. **Install Humidity Domes:** Place the clear humidity domes over the seedling trays. Adjust the vents as needed (initially keep them closed for high humidity).
7. **Assemble Grow Light Stand:** Attach the adjustable light stand securely to the waterproof base tray.
8. **Mount Grow Light:** Secure the 48W full-spectrum LED grow light onto the adjustable stand. Position it approximately 2-3 inches above the domes.
9. **Connect Power:** Plug in the power adapters for both the grow light and the heating mat to appropriate electrical outlets.

Up to 16" Adjustable Light Stand

Independent modular design
use with or without dome



This image demonstrates the adjustable light stand, which can extend up to 16.9 inches, allowing you to position the 48W full-spectrum LED grow light at the optimal height above your seedlings. The light can also rotate 360 degrees.

OPERATING INSTRUCTIONS

Grow Light Operation

The 48W full-spectrum LED grow light features 2 spectrum modes (Fruit Mode, Veg Mode) and 8 brightness levels to cater to different plant growth stages.

- **Power On/Off:** Use the power button on the light unit or the remote control to turn the light on or off.
- **Spectrum Modes:** Select between "Veg Mode" for vegetative growth (ideal for seedlings) and "Fruit Mode" for flowering and fruiting stages.
- **Brightness Adjustment:** Cycle through 8 brightness levels to provide the appropriate light intensity for your plants.
- **Timer Function:** The light can be controlled via a smartphone app for setting automated on/off schedules.

2 spectrum modes | 8 brightness levels
covers all 80 seedlings

2 spectrum modes | 8 brightness levels
covers all 80 seedlings



This image highlights the 48W full-spectrum LED grow light's capabilities, showing its two spectrum modes (Fruit Mode and Veg Mode) and 8 brightness levels, designed to provide comprehensive coverage for all 80 seedlings.

Smart Dual Control — Remote App Adjustment

Change spectrum, timer, and brightness with a tap



REMOTE



REMOTE CONTROL

This image demonstrates the smart dual control feature, allowing users to adjust the grow light's spectrum, timer, and brightness using either a remote control or a dedicated smartphone application.

Heating Mat Operation

The 30W heating mat includes a smart controller for precise temperature and timer settings, promoting faster germination.

- **Temperature Modes:** Select from 6 temperature levels (e.g., 20°C/68°F to 45°C/113°F) to create the ideal warmth for seed

germination.

- **Timer Modes:** Set the heating duration for 4H, 8H, 12H, 16H, 20H, or 24H using the controller.
- **Power On/Off:** Use the controller buttons to activate or deactivate the heating mat.

30W Heating Mat with Smart Controller

• 6 Temp Levels • Auto Timer • Faster Germination



Temperature Modes (°C/°F):



Timer Modes (Heating Duration):



This image illustrates the 30W heating mat and its smart controller, which offers 6 temperature levels and various timer modes for faster and more controlled seed germination.

Humidity Dome Management

The clear humidity domes feature adjustable vents to control airflow and moisture levels, crucial for seedling health.

- **High Humidity:** Keep vents closed during the initial germination phase to maintain high humidity, which aids in seed sprouting.
- **Reduce Humidity:** As seedlings emerge and grow, gradually open the vents to increase airflow and reduce humidity. This helps prevent fungal issues like damping-off.



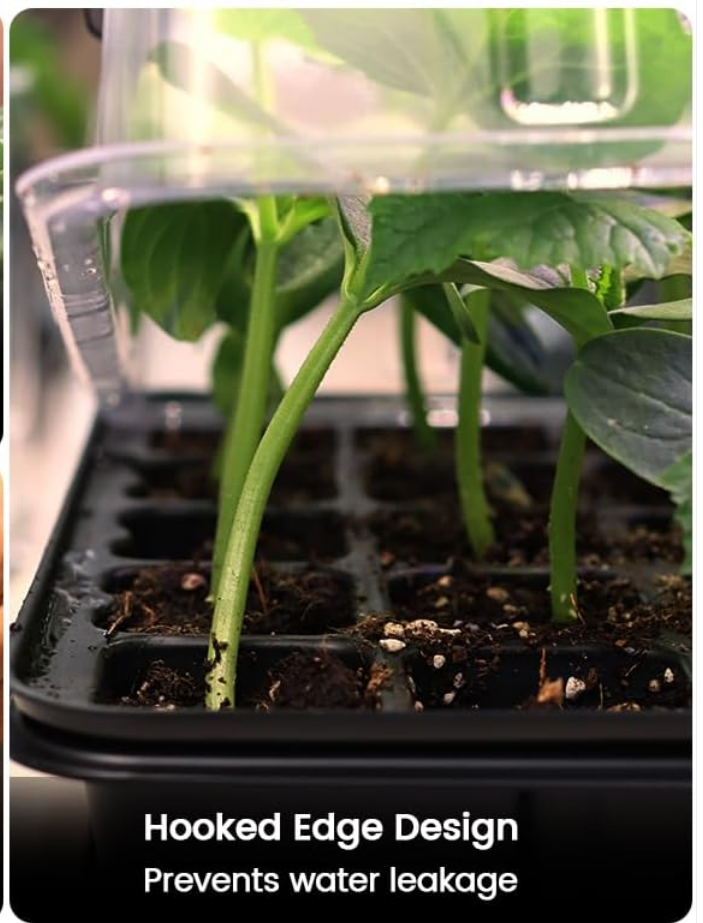
Leak-Proof & Durable Design



Adjustable Humidity Vents: Dual adjustable vents control airflow & moisture for optimal germination



Thickened 1.2mm Tray
Twice as strong as ordinary 0.6mm Ones



Hooked Edge Design
Prevents water leakage

This image details the leak-proof and durable design, showcasing the adjustable humidity vents on the clear domes for optimal airflow, the thickened 1.2mm tray for durability, and the hooked edge design to prevent water leakage.

Self-Watering System

The kit incorporates a self-watering design where the seedling trays sit in a waterproof base tray, allowing for consistent moisture.

- **Watering:** Pour water directly into the waterproof base tray. The seedling trays will absorb water from below as needed,

through capillary action.

- **Benefits:** This method promotes healthy root development by encouraging roots to grow downwards in search of water and reduces the risk of overwatering or underwatering.



This diagram visually explains the self-watering system, showing how water in the base tray is absorbed by the seedling cells, providing consistent moisture and promoting healthy growth.

MAINTENANCE

- **Cleaning Trays and Domes:** After each use or growing cycle, clean the seedling trays, humidity domes, and the waterproof base with mild soap and water. Rinse thoroughly to remove any residue and allow to air dry completely before storage.
- **Grow Light Care:** Wipe the surface of the grow light with a dry, soft cloth to remove dust or debris. Do not use abrasive cleaners or immerse the light in water.
- **Heating Mat Care:** Wipe the heating mat with a damp cloth. Ensure it is completely dry before storage or its next use. Avoid folding or creasing the mat sharply, as this can damage the internal heating elements.
- **Storage:** When not in use, store all components of the kit in a clean, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Seeds not germinating	Insufficient heat, improper moisture, old seeds	Ensure heating mat is on and set to appropriate temperature. Check humidity dome vents for proper moisture retention. Use fresh, viable seeds.
Seedlings are leggy/stretched	Insufficient light intensity or duration	Lower the grow light closer to seedlings (maintain 2-3 inches above). Increase brightness level. Ensure adequate light duration (e.g., 12-16 hours per day).
Mold growth on soil/seedlings	Excessive humidity, poor air circulation	Open humidity dome vents to increase airflow. Reduce watering frequency. Consider using a small fan for gentle air movement.
Grow light not turning on	Power connection issue, faulty light unit or adapter	Check power adapter connection to the light and the wall outlet. Ensure the outlet is functional. If issue persists, contact customer support.
Heating mat not warming	Power connection issue, incorrect controller setting, faulty mat or controller	Check power adapter connection. Verify temperature and timer settings on the smart controller. If issue persists, contact customer support.

SPECIFICATIONS

- **Model:** MG-SSK-H
- **Brand:** MetryGrow
- **Capacity:** 80 Cells (2 x 40-cell trays)
- **Grow Light:** 48W Full Spectrum LED (2 spectrum modes, 8 brightness levels)
- **Heating Mat:** 30W with Smart Controller (6 temperature levels, multiple timer modes)
- **Dimensions (Package):** 40.3 x 25.8 x 20.2 cm
- **Weight (Package):** 3.16 kg
- **Features:** Adjustable Light Stand (up to 16.9 inches), Adjustable Humidity Domes, Waterproof Base, Foldable design.
- **Indoor/Outdoor Use:** Indoor
- **ASIN:** B0FY2VS3GN

WARRANTY AND SUPPORT

For detailed warranty information, product registration, or technical support, please refer to the documentation included with your

product packaging or visit the official MetryGrow website. Keep your purchase receipt as proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

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Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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