

RIOGOO part_B08GLQMB5F

RIOGOO Seedling Heat Mat and Digital Thermostat Controller User Manual

Model: part_B08GLQMB5F

INTRODUCTION

Thank you for choosing the RIOGOO Seedling Heat Mat and Digital Thermostat Controller. This product is designed to provide optimal temperature conditions for seed germination, rooting, and plant growth. The digital thermostat allows for precise temperature control, ensuring a stable environment for your plants. Please read this manual thoroughly before use to ensure safe and efficient operation.

SAFETY INFORMATION AND WARNINGS

To reduce the risk of electric shock, fire, or injury, always follow these safety precautions:

- This product is grounded to reduce the risk of electric shock.
- If the plug does not fit into your outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.
- Do not immerse the heat mat or controller in water. The heat mat is IP68 waterproof, but the controller is not designed for immersion.
- This product is intended for indoor use only.
- Ensure the heat mat is placed on a flat, dry surface.
- Do not fold or crease the heat mat.
- Keep out of reach of children and pets.



Image: RIOGOO Seedling Heat Mat showing product features, dimensions, and important safety warnings printed on the mat itself.

PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x RIOGOO Seedling Heat Mat (24 x 52 cm / 10 x 20.75 inches)
- 1 x Digital Thermostat Controller with Temperature Probe

PRODUCT FEATURES

- **Precise Temperature Control:** The digital thermostat maintains a stable temperature between 20°C and 42°C (68°F and 108°F).
- **Optimal Rooting Temperature:** The heat mat automatically warms the rooting area 10°C to 20°C (50°F to 68°F) above ambient temperature.

- **Easy-to-Use Interface:** Features a 3-button interface for simple operation and temperature setting.
- **Durable and Waterproof:** The heat mat is IP68 rated, making it waterproof and easy to clean.
- **Accurate Temperature Probe:** Provides precise temperature readings in both cool and warm environments.

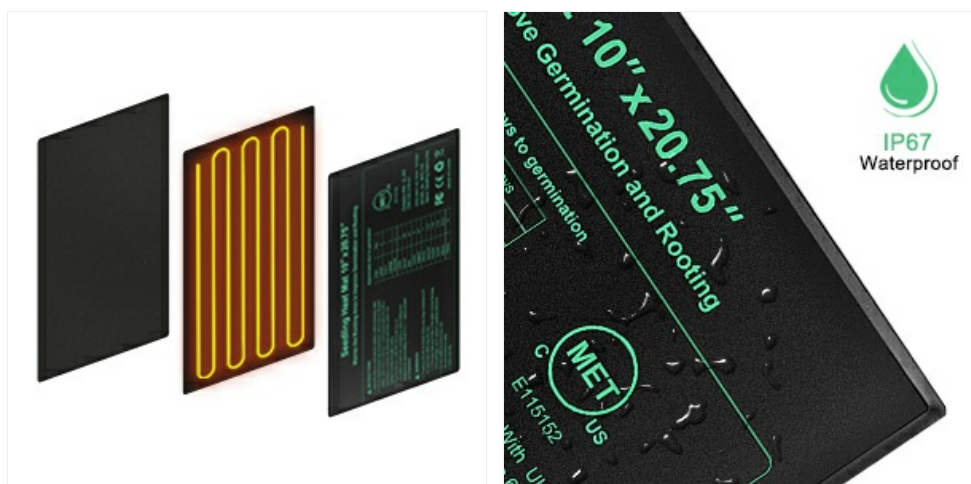


Image: Left: An exploded view illustrating the internal layers of the heat mat. Right: A close-up of the heat mat surface, highlighting its IP67 waterproof rating.

SETUP INSTRUCTIONS

1. **Placement of Heat Mat:** Place the RIOGOO Seedling Heat Mat on a flat, dry, and stable surface. Ensure there are no sharp objects underneath that could damage the mat.
2. **Positioning Seedling Trays:** Place your seedling trays or plant containers directly on top of the heat mat.
3. **Connecting the Heat Mat to the Controller:** Plug the heat mat's power cord into the outlet socket on the digital thermostat controller.
4. **Placing the Temperature Probe:** Insert the temperature probe into the growing medium (soil) of one of your seedling trays, approximately 2.5-5 cm (1-2 inches) deep, to accurately measure the root zone temperature. Avoid placing the probe directly on the heat mat or in open air.
5. **Connecting the Controller to Power:** Plug the digital thermostat controller's power cord into a standard 220-240V electrical outlet.



Image: Left: A hand inserting the temperature probe into the soil of a seedling tray. Right: The digital thermostat controller mounted on a

wall next to a window, overseeing seedling trays.

OPERATING INSTRUCTIONS

Controller Overview



Image: The digital thermostat controller with its various parts labeled, including the LED display, 'SET', 'UP', 'DOWN' buttons, and power indicators.

- **LED Display:** Shows the current temperature and set temperature.
- **SET Button:** Used to enter temperature setting mode.
- **UP Button:** Increases the set temperature.
- **DOWN Button:** Decreases the set temperature.
- **WORK Indicator:** Illuminates when the heat mat is actively heating.
- **POWER Indicator:** Illuminates when the controller is powered on.

Setting the Desired Temperature

1. Press and hold the **SET** button for approximately 3 seconds until the display starts flashing. This indicates you are in temperature setting mode.
2. Use the **UP** or **DOWN** buttons to adjust the desired temperature. The temperature range is 20°C to 42°C (68°F to 108°F).
3. Once the desired temperature is set, press the **SET** button again to confirm and exit the setting mode. The display will stop flashing and show the current temperature.



Image: The digital thermostat controller's display, illustrating the temperature setting range from 20°C/68°F to 42°C/108°F.

Switching Between Celsius and Fahrenheit

To switch the temperature display between Celsius (°C) and Fahrenheit (°F), briefly press the **UP** and **DOWN** buttons simultaneously.

MAINTENANCE

- **Cleaning:** Disconnect the heat mat and controller from power before cleaning. Wipe the heat mat with a damp cloth. Do not use abrasive cleaners. The controller can be wiped with a dry or slightly damp cloth.
- **Storage:** When not in use, ensure the heat mat is clean and dry. Roll it loosely (do not fold tightly) and store it in a cool, dry place.
- **Inspection:** Regularly inspect the power cords, heat mat, and controller for any signs of damage, such as cuts, fraying, or discoloration. If any damage is found, discontinue use immediately and contact support.

TROUBLESHOOTING

If you encounter issues with your RIOGOO Seedling Heat Mat and Digital Thermostat Controller, please refer to the following common solutions:

- **No Power/Display Off:**
 - Ensure the controller is securely plugged into a working 220-240V outlet.
 - Check if the power outlet itself is functional by plugging in another device.
 - Verify that the power cord is not damaged.
- **Heat Mat Not Heating:**
 - Ensure the heat mat is properly plugged into the controller's outlet socket.
 - Check the set temperature on the controller. It should be higher than the current ambient temperature for the mat to

activate.

- Confirm the 'WORK' indicator light on the controller is illuminated, indicating the mat is receiving power to heat.

• **Inaccurate Temperature Readings:**

- Ensure the temperature probe is correctly inserted into the soil and not exposed to air or directly on the mat surface.
- Check for any damage to the temperature probe cable.

If these steps do not resolve the issue, please contact customer support for further assistance.

SPECIFICATIONS



Image: The digital thermostat controller with its dimensions clearly marked in centimeters.

Feature	Specification
Brand	RIOGOO
Model Number	part_B08GLQMB5F
Heat Mat Dimensions (L x W)	24 x 52 cm (10 x 20.75 inches)
Controller Dimensions (L x W x H)	16 x 7.5 x 5.5 cm
Item Weight	50 Grams (total package weight may vary)
Power Source	Corded Electric
Voltage	220-240 Volts
Heat Mat Wattage	33 Watts
Controller Max Wattage Output	1000 Watts
Temperature Control Type	Digital

Temperature Range	20°C - 42°C (68°F - 108°F)
Heat Mat IP Rating	IP68 Waterproof
Display Type	Digital LED with Backlight
Control Method	Tactile Buttons (SET, UP, DOWN)
Connectivity Technology	Wi-Fi (as per product specifications, verify if applicable to your model)

WARRANTY AND SUPPORT

Warranty: This RIOGOO product comes with a 1-year warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

Support: If you have any questions, require technical assistance, or need to make a warranty claim, please refer to the contact information provided with your purchase or visit the official RIOGOO website for customer service details.

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

Anonymous

Email

you@example.com

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