

# tectake Greenhouse Heater Model 1 Instruction Manual

Model: 1

## 1. INTRODUCTION

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Thank you for choosing the tectake Greenhouse Heater. This manual provides essential information for the safe and efficient operation of your new heater. Please read these instructions thoroughly before use and retain them for future reference.

This 1500W portable electric heater is designed to provide warmth for various spaces, including greenhouses, patios, garages, grow tents, flower rooms, and backyards. It features a digital thermostat for precise temperature control and multiple safety mechanisms.

## 2. SAFETY INSTRUCTIONS

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**WARNING:** Failure to follow these safety instructions may result in fire, electric shock, injury, or property damage.

- Always plug the heater directly into a wall outlet. Never use with an extension cord or relocatable power tap.
- Do not cover the heater. Covering the heater can cause overheating and fire.
- Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains, at least 3 feet (0.9 meters) from the front and sides of the heater.
- Do not use the heater in bathrooms, laundry areas, or similar indoor locations where water may be present.
- Ensure the heater is placed on a stable, level surface to prevent tipping.
- Unplug the heater when not in use.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- This heater is equipped with an overheat protection system that automatically shuts off the unit if it detects excessive internal temperature. If this occurs, unplug the heater, allow it to cool, and then plug it back in.
- The heater is designed for outdoor and greenhouse use. Ensure proper ventilation when operating.

**Important:** The heater's top surface is marked with "DO NOT COVER" as a reminder for safe operation.

### 3. PRODUCT FEATURES

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- **Powerful Heating:** 1500W output, capable of heating up to 200 square feet rapidly.
- **Digital Thermostat:** Equipped with a waterproof temperature probe for precise ambient temperature control. Adjustable range: 40°F-108°F (5°C-42°C).
- **Overheat Protection:** Features a self-resetting heat breaker that automatically cuts off power if internal temperature becomes too high.
- **Two Working Modes:** Select between 25W fan-only mode for air circulation or 1500W heating mode.
- **Adjustable Angle:** The heater can be tilted from 0-45 degrees for directed airflow.
- **Portable Design:** Includes a convenient handle and a 7.5ft long power cord for easy placement and movement. Non-slip base ensures stability.

### 4. COMPONENTS OVERVIEW

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The tectake Greenhouse Heater with its external digital thermostat and temperature probe.



A closer view of the heater and its digital thermostat unit.

The heater unit includes a robust metal casing, a heating element, a fan, and control knobs. The external digital thermostat unit features a display, control buttons, and a temperature sensing probe.

### 5. SETUP

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1. **Placement:** Position the heater on a firm, level surface. Ensure there is adequate clearance from walls, furniture, and other objects to allow for proper airflow and prevent fire hazards.
2. **Connect Thermostat:** Plug the heater's power cord into the digital thermostat's output socket. Then, plug the digital thermostat's power cord into a standard 120V (AC) electrical outlet.



Connect the heater's plug to the thermostat, then plug the thermostat into the wall outlet.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Heater Control Knobs

The heater unit has two control knobs on top:

- **Function Switch Knob:** Used to select between Power Off, Fan Only (25W), and Heater Mode (1500W).
- **Temperature Knob:** Used to adjust the desired temperature when in Heater Mode.



The two control knobs on the heater for function and temperature adjustment.

### 6.2. Selecting Operating Modes

1. Rotate the **Function Switch Knob** to the desired setting:
  - **Fan Only Mode (25W):** Provides natural air circulation without heat.
  - **Heater Mode (1500W):** Activates the heating element and fan to provide warm air.



The heater offers two modes: Warm Wind for heating and Natural Wind for fan-only operation.

### 6.3. Using the Digital Thermostat

The digital thermostat allows precise control over the ambient temperature. It senses the air temperature via its waterproof probe.



The digital thermostat unit with its display and control buttons.



The thermostat's temperature probe for accurate readings.

- 1. Display Current Temperature:** Press the **UP** button to display the temperature in °F. Press the **DOWN** button to display the temperature in °C.
- 2. Set Desired Temperature:** Long press the **SET** button for three seconds to enter the temperature preset mode. Use the **UP** or **DOWN** buttons to adjust the temperature. Once your ideal temperature is displayed, press **SET** again to confirm. The heater will then work to reach and maintain this temperature.
- 3. View Preset Temperature:** Press the **SET** button briefly to display the preset temperature. If no button is pressed, the LED screen will revert to displaying the current ambient temperature.
- 4. Overheat Protection:** If the ambient temperature rises 1°C above the preset temperature, the heater will automatically shut off to prevent overheating.



Detailed steps for operating the digital thermostat.

### 6.4. Adjustable Tilt Angle

The heater's stand allows for an adjustable tilt angle from 0 to 45 degrees. This enables you to direct the heat or airflow precisely where it is needed.



The heater can be tilted to direct heat or airflow.

## 6.5. Product Demonstration Video

Watch this video for a visual guide on the tectake Greenhouse Heater's features and operation, including the digital thermostat.

Video demonstrating the tectake Greenhouse Heater with Digital Thermostat, showcasing its features and usage.

## 7. MAINTENANCE

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### 7.1. Cleaning

- Always unplug the heater and allow it to cool completely before cleaning.
- Use a soft, damp cloth to wipe the exterior surfaces of the heater. Do not use abrasive cleaners or solvents.
- Gently vacuum or wipe the air intake and exhaust grilles to remove dust and debris.
- Ensure no water enters the interior of the heater or the thermostat unit.

### 7.2. Storage

When not in use, store the heater in a cool, dry place, away from direct sunlight and moisture. It is recommended to store it in its original packaging to protect it from dust and damage.

## 8. TROUBLESHOOTING

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- **Heater not turning on:**
  - Check if the heater and thermostat are properly plugged into a working electrical outlet.
  - Ensure the Function Switch Knob is set to either Fan Only or Heater Mode.
  - Verify that the digital thermostat is powered on and the desired temperature is set above the current ambient temperature if in Heater Mode.
  - Check if the overheat protection has been activated. Unplug the unit, let it cool for 10-15 minutes, then plug it back in.
- **Temperature not regulating:**
  - Ensure the thermostat's temperature probe is positioned correctly to accurately sense the ambient temperature.
  - Verify the desired temperature setting on the digital thermostat.
- **Unusual noises (e.g., rattling):**
  - Turn off and unplug the heater immediately.
  - Inspect the fan area for any obstructions or loose components. Do not attempt to repair if you are not qualified. Contact customer support.

## 9. SPECIFICATIONS

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Feature	Specification
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Feature	Specification
Brand	tectake
Model Number	1
Heat Output	1500 Watts
Voltage	120 Volts (AC)
Heating Coverage	200 sq.ft.
Adjustable Temperature Range	40°F-108°F (5°C-42°C)
Operating Modes	25W Fan Only, 1500W Heating
Special Feature	Overheat Protection, Digital Thermostat
Product Dimensions	14"D x 7"W x 11"H
Item Weight	7 pounds
Power Cord Length	7.5 ft
Indoor/Outdoor Usage	Outdoor

## 10. WARRANTY AND SUPPORT

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This tectake Greenhouse Heater comes with a 1-year warranty service. For warranty claims, technical support, or any questions regarding your product, please contact tectake customer service through your purchase platform or the official tectake website. Please have your model number and purchase information ready.