



# Dr. Infrared Heater Elite Series

- 1500 Watts with Two Heat Settings
- Built-In Humidifier
- Rotatable Air Outlet
- Automatic Thermostat
- Tip-Over Switch
- Overheat Thermal Cut-Off Protection
- Room Temperature LED Display
- Precision Temperature Control
- Easy Push-Button Controls
- Remote Control



Intertek  
3082099

CONFORMS TO  
UL STD. 1278  
UL STD. 998

**Model No.: DR-998**

Owner's Manual

PLEASE READ AND  
SAVE THESE INSTRUCTIONS

# CONGRATULATIONS!

**T**he Dr. Infrared Heater Elite Series you have just purchased is a safe and powerful heater, designed to heat a room after a few minutes of operation. The far-infrared Quartz-PTC heating system is an excellent system for safely heating whole rooms, while saving on heating costs.

Additionally, this heater includes an overheat protection system, and an inlet air overheat protection system designed to ensure your safety.

This heater does not reduce humidity or oxygen in your home or office, *promoting a healthier environment!*

Before using your heater, please take a few minutes to read these instructions, and review the product's limited warranty.

Thank you!

**WARNING!** To reduce the risk of fire, electric shock, or personal injury, read all the instructions before using this heater. This appliance is intended for household or personal use only as described in this manual. Any other use including but not limited to commercial, agricultural or outdoor use, is not recommended by the manufacturer and may cause fire, electric shock, injury and/or damages. The use of attachments and accessories not recommended or sold by Dr. Infrared Heater Products may cause hazards and void the warranty.

**CAUTION-** High temperature! Keep electrical cords, drapery, and other

furnishings at least 3 feet (0.9 m) from the front and rear of the heater.

# IMPORTANT INSTRUCTIONS

When using this appliance, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons.

1. Read all the instructions before using this heater.
2. This heater is hot when in use. To avoid burns, do not let bare skin touch hot outlet. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front and rear of the heater outlet and keep them away from the sides.
3. Extreme caution is necessary when any heater is used by or near children or persons with physical challenges and whenever the heater is left operating and unattended.
4. Do not operate the heater with a damaged cord or plug, or after the heater malfunctions, has been dropped, or damaged in any manner. Return the heater to an authorized service facility for examination, electrical or mechanical adjustment, or repair.
5. Do not use outdoors.
6. This heater is not intended for use in bathrooms, laundry areas, or similar locations. Never locate the heater where it may fall into a bathtub or other water container.

7. Do not run the cord under carpeting and do not cover the cord with throw rugs, runners or the like. **Do not route cord under furniture or appliances.** Arrange the cord away from traffic areas to avoid a tripping hazard.
8. To disconnect the heater, turn controls to OFF, then remove plug from outlet.
9. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock, fire, or damage to the heater.
10. Connect to properly grounded outlets only.
11. To prevent a possible fire, do not block air intakes or exhaust openings in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked. Use the heater on flat, dry surfaces only.
12. A heater has hot and arcing or sparking parts inside. Do not use heater in areas where gasoline, paint or flammable liquids are used or stored.
13. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
14. **Never** clean this heater while it is plugged in. Do not immerse in water. To disconnect, turn the control to OFF, then remove the plug from the outlet by grasping it and pulling it from the outlet. **Never yank on the cord.**
15. This heater includes an overheat protection system that shuts off the unit when parts are becoming excessively hot. If the heater shuts off, immediately turn it OFF and inspect for any objects on or adjacent to the heater which may cause high temperatures. **DO NOT OPERATE THE HEATER UNTIL IT IS RESET.** To reset the heater, turn it OFF, unplug it from the electrical outlet, and wait five to ten minutes for the unit to cool down before plugging it back in and turning the heater on.
16. Always unplug heater when not in use.
17. Always plug heater directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
18. It is normal for the heater's plug and cord to feel warm to the touch. A plug or cord which becomes hot to the touch or becomes distorted in shape may be a result of a worn electrical outlet. Worn outlets or receptacles should be replaced prior to further use of the heater. Plugging this heater into a worn outlet may result in overheating of the power cord or fire.
19. Make sure the plug is fully inserted into an appropriate receptacle. Be mindful that receptacles also deteriorate due to aging and continuous use. Check periodically for signs of overheating or deformations of the plug. If any overheating or deformation occurs, immediately discontinue using the heater and

contact Dr. Infrared Heater  
Authorized Service Center.

20. **CHECK YOUR HEATER CORD  
AND PLUG CONNECTIONS.**

Faulty wall outlet connections or loose plugs can cause the outlets or plug to overheat. During use, please check frequently to determine if your plug, outlet or faceplate is **HOT!** If so, discontinue using the heater and/or have a qualified electrician to check and replace the faulty outlet(s).

**CAUTION:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

# SAVE THESE INSTRUCTIONS

## Humidifier Installation:

1. Open the humidifier packing and remove the humidifier, as shown in Figure 1.

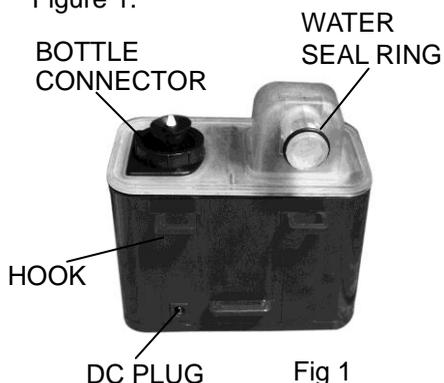


Fig 1

2. Open the cover of the humidifier and take out the bottle connector, as shown in Figure 2.

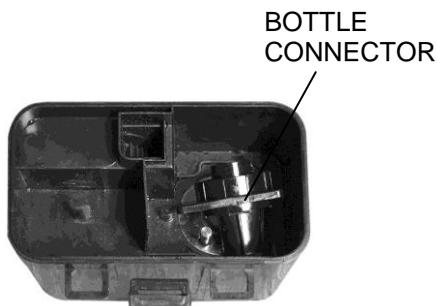


Fig 2

There are two different bottle connectors for this humidifier; select one connector to fit your water bottle.

3. Fill up the bottle with distilled water only. Then fully tighten the connector to the water bottle as shown in Figure 3.



Fig 3

**CAUTION:** You must use distilled water to keep the humidifier working properly. Also, make sure the connector is tightened to the bottle to prevent water leakage.

4. Fully insert the humidifier into the two hooks in the rear side of the wooden box as shown in Figure 4.

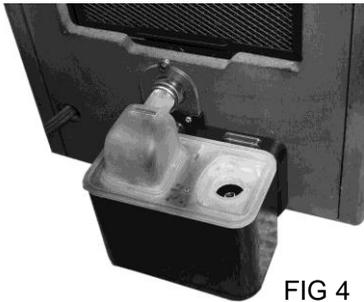
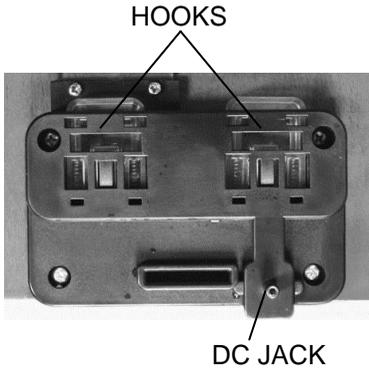


FIG 4

**CAUTION:** Make sure the two hooks are fully inserted and the DC PLUG is connected to the DC JACK.

- Slide the cover to expose the moisture outlet on the top of the wooden box as shown in Figure 5.



FIG 5

**CAUTION:** Make sure to slide the cover, exposing the moisture outlet, before using the humidifier.

- Insert bottle, attached to connector, into the humidifier, as shown in Figure 6.



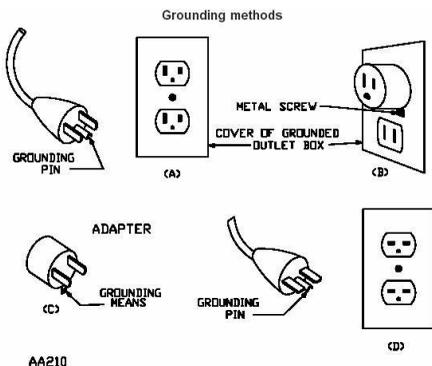
FIG 6

## Operating Instructions

- Plug the power supply cord into a grounded wall outlet (120VAC, 60Hz).

**Important:** This heater comes with a grounded (three-prong) plug. The grounded plug must be used with a grounded outlet. Do not use an adapter in a two-slot wall outlet unless the ground plug of the adapter properly connects to a building ground. Using the heater without a properly grounded outlet or adapter could result in an electric shock hazard.

The cord has a plug as shown at A in the figure that follows. An adapter, as shown at C, is available for connecting three-blade grounding-type plugs to two-slot receptacles. The green grounding lug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. The adapter should not be used if a three-slot grounded receptacle is available.



## 2. TURNING THE HEATER ON

To turn the heater ON, press the POWER button; the power LED will turn on. Next press the MODE button; the heat setting will be set to AUTO. Press the MODE button again to set to HIGH. Press the button a third time to set to LOW. Press the button a fourth time to set to FAN only.

## 3. TURNING THE HEATER OFF

To turn the heater Standby OFF, press the MODE/OFF button for 3 seconds. The heater will shut off but the fan will continue to run until all the heat has been expelled.

The heater will turn off automatically and is in Standby mode. Press the MODE button to turn ON the heater again. If you are not going to use the heater for a long time, press the POWER button to fully shut down the heater. The power LED will turn off.

## 4. SETTING THE THERMOSTAT

Press the MODE button, and set to AUTO mode to engage the automatic thermostat.

## 5. SETTING THE TEMPERATURE

To set the desired temperature:

Press the button once until the numeric temperature starts flashing.

Press the button again to increase the temperature or the button to decrease the temperature.

After the desired temperature is set, this will be your ideal setting. The heater will run on HIGH until the room temperature reaches the set temperature. The heater will then switch to run on LOW for 10 minutes. The heater will turn off if the room temperature is equal to or greater than the set temperature. (The fan will continue to run for a minute until all of the residual heat has been expelled.)

For example: If your ideal setting is 72°F, the heater will run on HIGH until it reaches 72°F. The heater will then switch to run on LOW for 10 minutes. The unit will turn off if the room temperature is equal to or greater than the set temperature.

The default temperature setting is preset from the factory at 68°F.

## 6. SETTING THE HUMIDIFIER

Make sure the humidifier has been fully inserted into the two hooks in the rear side of the wooden box. Then press the Humidifier button to set to the Humidifier mode. The humidifier will shut off automatically when the water level is low. Refill the humidifier with distilled water; the humidifier will turn on again.

**CAUTION:** To prevent leakage, do not move the heater quickly when the humidifier is filled with water.

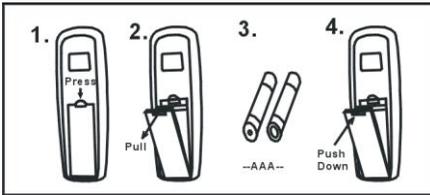
## 7. SETTING THE AIR OUTLET

Press the OSC button. The air outlet can be rotatable left and right.

For more efficient heating, try placing the heater a few feet above the floor in rooms with a large area. Ensure the heater is secure and won't fall.

## Remote Controller

### HOW TO INSERT BATTERIES



**NOTE:** Remove the batteries if the remote control is not to be used for a month or more. Batteries left in the unit may leak and cause damage. **DO NOT MIX OLD AND NEW BATTERIES!** **DO NOT MIX ALKALINE, STANDARD (CARBON-ZINC) OR RECHARGEABLE (NICKEL-CADMIUM) BATTERIES!**

### Instructions for Use of IR Remote

#### Control:

The buttons of the remote control will function in the same manner as those on the control panel on the front of the heater. Set the timer by using the remote control.

#### **Setting the Timer**

1. Press the TIMER button until the Set Time starts flashing. The default value is 3 hours.
2. Press the “+” button to increase the set time or the “-” button to decrease the set time.

The timer can be set from 1 to 12 hours. The timer will set and execute after the LED display stops flashing. The heater will shut OFF automatically when the set time is reached.

3. To turn the timer OFF, follow step 1, pressing the “-” button to set the time to 0. The timer feature will turn OFF when the LED stops flashing.

## Maintenance

1. Always turn OFF the heater and disconnect the cord from the electrical outlet before cleaning the unit.
2. Light accumulation of dust may be removed from the heater with a soft cloth or vacuum cleaner.
3. Wipe the exterior surfaces of the heater occasionally with a damp cloth (not dripping wet), using a solution of mild detergent and water. Dry the case thoroughly before operating the heater.

**Caution:** Do not allow water to run into the interior of the heater as this could create a fire or electric shock hazard.

4. The fan motor is factory-lubricated for life and will require no further lubrication.
5. Store heater in a clean, dry place when not in use.

## Cleaning the electrostatic filter

The heater has an electrostatic filter located at the rear. The filter should be cleaned once per month or as needed (when dust is visible on the filter) to ensure efficient operation of the heater.

1. Power the heater OFF by pressing the POWER button located on the left side of the Control Panel.
2. Unplug the heater's power cord.
3. Release the filter by pushing the filter up from below (Figure 7).
4. Remove the filter by pulling down and out (Figure 8).
5. Clean the filter by vacuuming.
6. Replace the filter by sliding the top upwards into the spring-loaded slot on the back of the heater (Figure 8). Then gently push the bottom of the filter into place (Figure 7).



FIG 7



FIG 8

## Cleaning the humidifier

The humidifier should be cleaned once per month or as needed to ensure efficient operation.

1. Power the heater OFF by pressing the POWER button located on the left side of the Control Panel.
2. Unplug the heater's power cord.
3. Press the two hooks in the rear of the wooden box and push out the humidifier.
4. Open the cover of the humidifier.
5. Clean the humidifier with water.

**Warning!** Any other servicing needed must be performed by an authorized service representative. Do not attempt to service the unit yourself.

## Product Specifications

**Model#:** DR-998

**Voltage:** 120V, 60Hz

**Current:** Maximum continuous draw:  
12.5 amps

**Output:** 5200 BTUs

**Power:** 1500 Watts

**Turbo Fan:** Multi-blade; Low Noise



## Features

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| <b>A.</b> “Cool-Touch” cabinet        | <b>E.</b> Decrease temperature button |
| <b>B.</b> POWER button                | <b>F.</b> Increase temperature button |
| <b>C.</b> Rotatable air outlet button | <b>G.</b> MODE/OFF button             |
| <b>D.</b> Humidifier button           | <b>H.</b> LED display                 |

## Special Features

LED Display – When the unit is plugged in, the LED display will show the room temperature. At Auto mode, it will display the set value 2 minutes after the desired temperature is set.

Overheat Shut-Off Protection System –This heater includes a protection system that shuts off the unit if it overheats for any reason.

Inlet Air Overheat Protection System – This heater will automatically shut off if the inlet air duct becomes obstructed and causes the unit to overheat.

Safety Tip-Over Switch – The Dr. Infrared Heater is designed to shut off automatically when tipped in any direction. The alarm will beep and the LED display will flash. Place the heater on a flat, smooth, stable surface to prevent the heater from tipping over again. When returned to a normal upright position, the heater is ready for use again. This is a safety feature to avoid the possibility of fire should the unit be tipped accidentally.

**Note:** There may be a trace of smoke or odor when the unit is first operated. Do not be alarmed. This indicates a drop of oil fell on the interior coils during the manufacturing process. It will quickly evaporate and should not recur.

## QUESTIONS AND ANSWERS

### **Why does the blower fan keep running after I have pressed the power off button?**

The blower fan will continue to run until the heat chambers cool down. After a few minutes the fan will shut off automatically.

### **What if the heater's airflow seems to have diminished?**

Please ensure the rear intake is not blocked and that the filter is clean. Please follow the filter maintenance procedure to clean the filter.

### **Once the heater is turned on, how long will it take to heat my room?**

This heater can heat up to 1,000 square feet. Generally speaking, it takes minutes to heat a room. Remember that with any type of heating process, there are many variables such as the size of the room, how well the room is insulated, how many doors and windows there are, the amount of bare concrete (which acts as a heat sink with any type of heating), the opening and closing of an exterior door, the outside temperature, etc. Please remember that this is a zone heater and is meant to be used as a *supplemental* heating source only.

### **Can I use the heater to heat multiple rooms at the same time?**

Keep in mind that heating will vary based on how open your floor plan is and the size of the rooms involved. We have heard from customers that with the help of ceiling fans, they have been able to heat multiple rooms simultaneously by placing the unit in a central room. We suggest you give it a try and see what works best for you.

### **My home is not well insulated; will this heater help me?**

Yes, but it may take a little longer to heat the room. The outside temperature will also have an impact on heating time. Once the room has reached the desired temperature, it will cycle on and off accordingly.

### **Can the heater be used in a bathroom?**

It is not recommended due to a bathroom's high level of moisture.

### **Can the heater be used in a basement or garage?**

Yes, but keep in mind that rooms with little insulation will not retain the heat as efficiently. Bare concrete floors act as a heat sink with any type of heating and will absorb some of the heat. However, placing the heater a few feet above the floor will allow for more efficient heating.

### **Can I use more than one heater at a time?**

Yes, but please make sure the heaters are not on the same circuit. Each heater and appliance should be on its own circuit.

### **Can I use the heater and another appliance at the same time?**

Yes, as long as they are not on the same circuit. This heater is considered to be an appliance. You should not run more than one large appliance on a single circuit breaker. Your appliances, such as a freezer, refrigerator, microwave oven, washing machine, dryer and others, should not share a circuit breaker.

### **Can I use the heater on a job or construction site?**

This heater is not designed to be used in a high dust construction environment. Using the heater for this purpose will void your warranty.

### **Can I move the heater around while it is operating?**

It is not recommended to move any portable heater while it is operating. We recommend moving the heater only once the fan has completely turned off.

### **What is the life expectancy for the heater?**

This heater uses one infrared tube (which is rated for 20,000 hours and up), and one PTC element (which is rated for 80,000 hours and up).

### **What is zone heating?**

Zone heating focuses heat where people spend the most time. After all, there is no point in heating multiple rooms to +68 degrees when not in use.

### **Can I use an extension cord, surge protector, or power strip with my heater?**

No. The DR. INFRARED HEATER is designed to plug directly into a grounded 120V 15 Amp or higher circuit receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).

### **How many kilowatts per hour does the heater use?**

The DR. INFRARED HEATER MODEL DR-998 uses approximately 1.26 kilowatts per hour.

### **What is the BTU Rating for the heater?**

The DR. INFRARED HEATER MODEL DR-998 is approximately 5200 BTUs.

### **The power cord feels warm to the touch; should I be concerned?**

It is normal for the heater's plug and cord to feel warm to the touch. A plug or cord which becomes hot to the touch or becomes distorted in shape may be a result of a worn electrical outlet. Worn outlets or receptacles should be replaced prior to further use of the heater. Plugging this heater into a worn outlet may result in overheating of the power cord or even a fire.

### **I don't have a grounded outlet; can I use a cord adapter or remove the grounding plug?**

NO. If you don't have a grounded outlet, contact a licensed electrician in your area for advice. Removing or altering any part of the heater is unsafe and will also void your warranty.

## **How long is the warranty?**

This heater comes with a THREE-YEAR LIMITED WARRANTY. If your unit does not appear to be working properly, please contact our service center by calling 1-800-317-1688. Prior to your call, we encourage you to visit our service related website [www.DrHeaterUSA.com](http://www.DrHeaterUSA.com) for troubleshooting tips and service instructions if needed.

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