

# INSTRUCTIONS FOR RADIAL 8 BED BUG HEATER



## STEP 1

Unpack & inspect your Radial 8 for damage – Do not use if damaged. Check all heating elements to make sure everything works and nothing was damaged from shipping. If damaged from shipping do not use and contact us immediately at 877-375-0005.



## STEP 2

Always check for fire sprinkler's installed in a building. Keep heat level at fire sprinkler head a minimum of 30F below the trigger temperature of the fire sprinkler. Place the sprinkler head protector into position once ice has been placed inside the protector. Make sure that the amount of ice in the canister allows the fire sprinkler head to fit inside bucket without touching the ice. Hold in place using an aluminum pole or the connection string.



## STEP 3

Cover the bathroom exhaust fan grill and any A/C air returns with reflective insulating material to reduce heat loss via thermal stacking. Remember that heated air naturally rises. By focusing the energized air directly over the floor coverings, and along the walls and furniture, the heated air will heat the treatment area from the ground up.

**NOTE: Walls and ceilings made of block or concrete require more heat because they are more conductive of energy than drywall. This means 1 heater will heat less space when you have walls and/or ceilings with block or concrete. 50% more power is a general rule for these rooms. All buildings are not created equal and more conductive materials take more energy to heat.**



## STEP 4

Cover single pane windows with reflective insulating material such as reflectix.



## STEP 5

Pull the furniture, chairs, couches, beds, headboards, nightstands, etc. at least 6 inches away from the walls of the room to allow airflow along the walls. If the headboard is attached to the wall, leave it in place. Be sure to direct heat air low to the floor by pointing electric heaters towards carpeting and coving. Aim heaters towards hard-to-heat infested areas such as headboards. Utilize axial fans to move energized air into stagnant sections of the room.



## STEP 6

Slightly open any cupboards and drawers approximately 2 inches.



## STEP 7

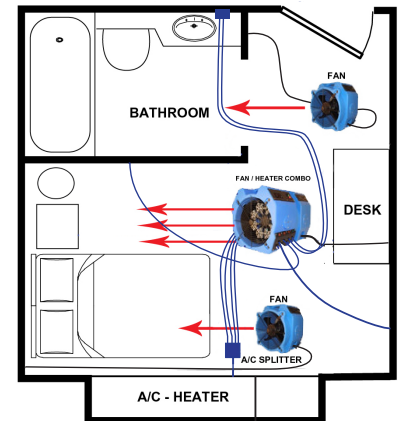
Prop the bed and box spring to ensure airflow using a chair or drawer to ensure airflow. **Note: Try to disturb the room as little as possible to avoid disturbing the insects and driving them into wall voids or under carpet pads.**



## STEP 8

Attach Fan and Heater Magnetically

Use the GFI for the Green Plug



The number of fans used will depend on the packages purchased

**NOTE: Additional power circuits may be obtained from adjacent rooms and or hallways**

## STEP 9

Place heater and additional fan following the diagram to create the proper airflow. You will need to adjust heater placement to maximize airflow according to the actual room configuration.



## STEP 10

Plug splitter into A/C 20 amp 240 volt plug and plug the four splitter cords in the orange plugs. When using the Hotel air conditioner splitter do not plug one of the connections from the splitter into the inlet plug-in with the green light. The green light plug provides the power to the switch and thermostat controller.



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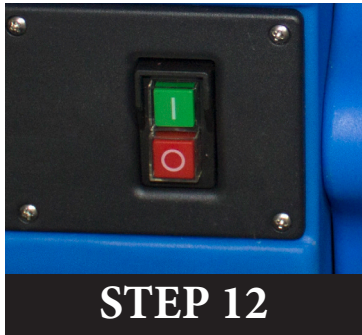
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## STEP 11

Run additional power cords to the remaining orange plugs. When utilizing wall outlets, make sure the total power draw per circuit does not exceed breaker capacity (2 Blue Cords / 20amp Circuit or 1 Blue Cord / 15 amp Circuit). Note: The green plug is the master plug and should be plugged into a dedicated circuit)



## STEP 12

After plugging in all the heating elements and ensuring all the lights are lit, turn on the fan and then turn on the heater (green button). **Note: Be sure to unplug all electrical items and do not place electrical items directly in front of the heater. Electrical items are rated for higher temperatures than you are heating, just avoid the direct heat coming out of the heater.**

### Caution:

Always turn fans on prior to turning heater on. Always turn heater off prior to turning fans off.



## STEP 13

Temperature Controller Your Radial 8 comes with a state of the art digital temperature controller built into the unit. The controller is preset to 132F and requires no need for adjustment to use your Radial 8 unless you want to change the temperature settings. To change the high temperature setting push the set button on the thermostat and use the arrows to adjust temperature up or down. Push the set button when finished.



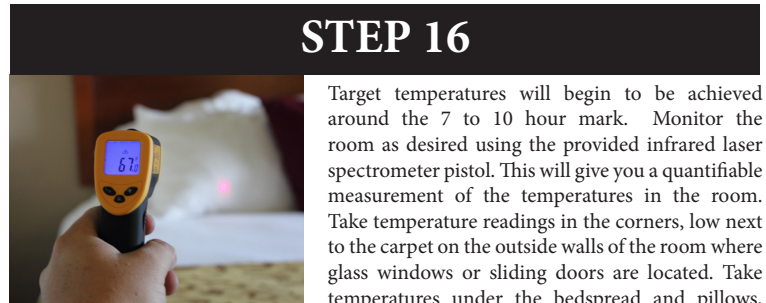
## STEP 14

Close the room and allow to let heat for at least 15 hours. You should look for all the surface temperatures within the treatment area to be above 120 degrees Fahrenheit.



## STEP 15

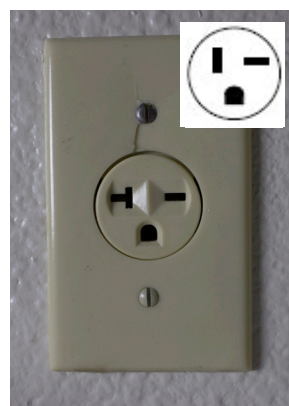
Place a towel under the door to reduce heat escaping the treatment area



## STEP 16

Target temperatures will begin to be achieved around the 7 to 10 hour mark. Monitor the room as desired using the provided infrared laser spectrometer pistol. This will give you a quantifiable measurement of the temperatures in the room. Take temperature readings in the corners, low next to the carpet on the outside walls of the room where glass windows or sliding doors are located. Take temperatures under the bedspread and pillows, inside drawers, around headboards, inside cabinets and drawers. Take temperature readings under the beds, on carpet surfaces and under carpet edges if possible. Point the air movers towards any cool spots located during your monitoring efforts. All the surface temperatures within the treatment area to be above 120 degrees Fahrenheit.

## The Radial 8 Bed Bug Heater



Each heating element draws 8 amps or 960 watts. Two (2) heating elements can be plugged into a 20 amp circuit. With (4) 20 amp circuits you can achieve full power of your Radial 8. 26,189 btus.



A DETAILED TRAINING VIDEO IS ALSO AVAILABLE AT

<https://youtu.be/ewL5nDE3FSI>



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