

INSTRUCTIONS FOR ELITE 8 BED BUG HEATER



STEP 1

Inspect your Elite 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 sprinklers installed in a building. Keep heat level at fire sprinkler head a minimum of 30° F below the trigger temperature of the fire sprinkler. Place the sprinkler head protector into position with small ice packs. Make sure that the amount of ice in the cover allows the fire sprinkler head to fit inside cover without touching the ice.



STEP 3

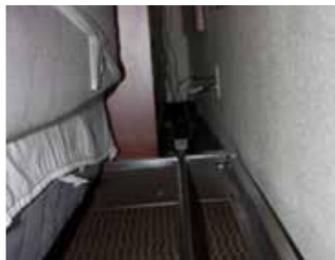
Cover bathroom exhaust fan grills and any A/C air returns with tape or similar material to reduce heat loss via thermal stacking. Remember that heated air naturally rises. By focusing the energized air directly over the floor coverings, and along the walls and furniture, the heated air will heat the 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 heated air low to the floor by pointing electric heaters towards carpeting and coving. Aim heaters towards floor coverings and 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 4 to 6 inches.



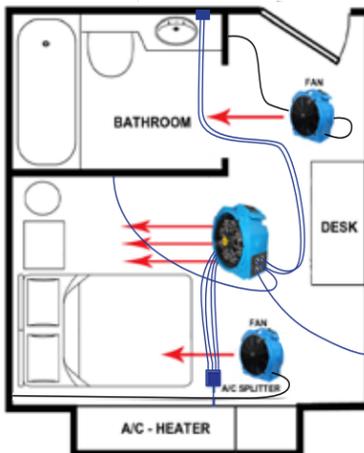
STEP 7

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

Ensure proper air flow direction (See Graph). Be sure to leave plenty of room in front and behind heaters and fans. Secure loose paper.



The number of fans used will depend on the package purchased

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

STEP 9

Place heater and additional fans 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.

See step 11 for both sides if your treatment area is not equipped with a 20amp PTAC (Commonly Found in Hotels and other hospitality settings).

ALL FOUR SPLITTER PLUGS MUST BE PLUGGED INTO THE HEATER FOR THE SPLITTER TO WORK.



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).



STEP 12

After plugging in all the heating elements and ensuring all the lights are lit, turn on the fan (green switch) and then turn on the heater (red switch).

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

Your Elite 8 Heater comes with a state of the art digital temperature controller built into the unit. The controller is preset to 132° Fahrenheit and requires no need for adjustment to use your Elite 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 heat for at least 15 hours (24 hours is ideal). You should ensure all the surface temperatures within the treatment area to be above 120° 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 should be above 120° Fahrenheit.



Each heating element draws 8 amps or 960 watts. Two (2) heating elements can be plugged into a 20 amp circuit or One (1) heating element per 15 amp 110 volt circuit.

With (4) 20amp or 8 15 amp circuits you can achieve full power of your Elite 8 creating 26,190 BTU's

Check out our full line of 220volt conversion accessories at www.convectex.com

Warning: Power adapter are to only be used in conjunction with the Radial 8, Elite 4, Elite 8, heater. Under NO circumstances should the adapter be used or manipulated for any other purpose, application, or equipment other than those previously listed.

DETAILED TRAINING INSTRUCTION VIDEOS, HEAT PREPARATION SHEETS AND MANUALS CAN BE FOUND AT <http://convectex.com/pages/training>

INSTRUCTIONS FOR ELITE 4 BED BUG HEATER



STEP 1

Inspect your Elite 4 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

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STEP 3

Cover bathroom exhaust fan grills and any A/C air returns with tape or similar 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.



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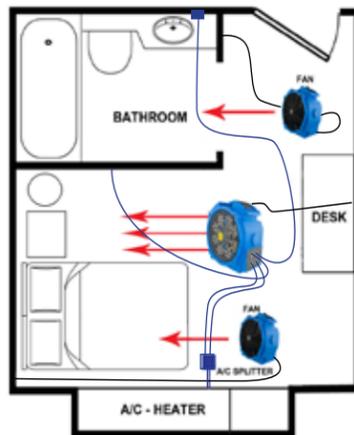
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STEP 8

Ensure proper air flow direction (See Graph). Be sure to leave plenty of room in front and behind heaters and fans. Secure loose paper.



The number of fans used will depend on the package purchased

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

STEP 9

Place heater and additional fans 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

If Equipped Plug the 2 Way A/C PTAC splitter into A/C 20 amp 240 volt plug and plug the 2 splitter cords in the orange plugs. Find 2 more 20 or 15amp circuits for the remaining power (4 x 20 or 15 Amp Circuits will be required if PTAC is not utilized or available). When utilizing wall outlets, make sure the total power draw per circuit does not exceed breaker capacity (1 Blue Cords / 20amp Circuit or 1 Blue Cord / 15 amp Circuit). Be sure to plug in the Black fan cord attached to the heater as well to operate the fan and the controls.



STEP 11

After plugging in all the heating elements and ensuring all the lights are lit, turn on the fan (green switch) and then turn on the heater (red switch).

Note: Be sure to unplug all 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 12

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STEP 15

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Use the A/C PTAC Adapter (if ordered) to Power 2 out of the 4 elements. Both plug ends of the splitter must be plugged into the heater for the splitter to work.

Each heating element draws 12 amps or 1500 watts. One (1) heating elements can be plugged into a 20 or 15 amp circuit. With (4) 15 or 20 amp circuits you can achieve full power of your Elite 4 @ 20,460 BTU's

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ELITE 4 BED BUG HEATER

BLACK FAN CORD (NOT SHOWN) MUST BE PLUGGED IN TO TURN ON HEATER.

Bed Bug HEAT Eradication Chart

	LETHAL TEMPERATURE	TIME DURATION
BED BUG ADULTS & NYMPHS	113° F / 45° C	15 MINUTES
BED BUG EGGS	113° F / 45° C	60 MINUTES
BED BUG ALL STAGES	115° F / 46° C	7 MINUTES