

EcoSunTec



**Infrared Moist Air Purifying Space Heater
IMAP-1000**

Operation and Warranty Manual



EcoSunTec

EcoSunTec 3 Way Heating System

Infrared Moist Air Purifying Space Heater
IMAP-1000

Congratulations and thank-you for purchasing the EcoSunTec Infrared Moist Air Purifying Space Heater. You are now the owner of the world's most advanced Infrared Space Heater that purifies the air and combines infrared heat with water vapor mist for maximum efficiency, savings and comfort in your home zone heating.

The EcoSunTec 3 Way Heater heats the atmosphere evenly, with infrared heat and humidifying micro burst technology.

Enjoy the therapeutic effects of infrared heat now being used in many medical therapies by simply heating your room while adding humidity and filtering impurities out of the air.

**PLEASE READ ALL INSTRUCTIONS
BEFORE USING THE HEATER**

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KEEP THIS MANUAL FOR FUTURE REFERENCE

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IMPORTANT INSTRUCTIONS SAFETY PRECAUTIONS

WARNING:

Improper use of this heater could result in the risk of electric shock, fire and possible injury to individuals.

WARNING:

Do not open the heater casing or attempt any repairs or service. Any required service (other than filter maintenance on page 10) should only be performed by an

Authorized Service and Repair Representative.
To do otherwise will void your warranty.

Proper Use and Handling

Never open, alter or repair the heater as it will void the warranty.

Do not plug the heater into an extension cord, waiver bar, power strip, surge protector, multi outlet adapter or grounding adapter.

Make sure the power cord is in good condition before plugging in for use.

Do not run the power cord underneath a carpet or rug.

Plug heater into an AC110V (15AMP) outlet.

Wait until after the fan stops running approximately 60 seconds to unplug heater after turning the unit off. Always unplug heater when not in use.

Do not spill anything on the heater.

Do not operate, set or store the heater near combustible objects such as vapors, gaseous fumes, spray cans, paint or any other flammable liquids.

Do not set heater close to furniture, pillows, bedding, papers, clothes, curtains or flammable items.

Do not sit on the heater, put items on the heater, hang things over the heater or cover the air outlet opening.

Do not insert anything into the exhaust, ventilation or heater outlet openings.

Do not use the heater for other purposes such as a dryer.

Do not place the heater on tables, beds, chairs or other surfaces without properly securing the unit.

Do not operate or store the heater in wet, moist and humid areas or areas with standing water such as swimming areas, laundry rooms or outdoors.

Do not handle heater or plug while wet or with wet hands.

Do not operate in dusty, dirty, oily areas or construction sites.

Do not expose body parts directly to the heat for prolonged periods of time.

Do not touch or gaze into the heater heat outlet.

The heater grill is hot when in use, allow 10 minutes to cool.

Use handles when moving this heater after emptying all the water from the humidifier tray unit.

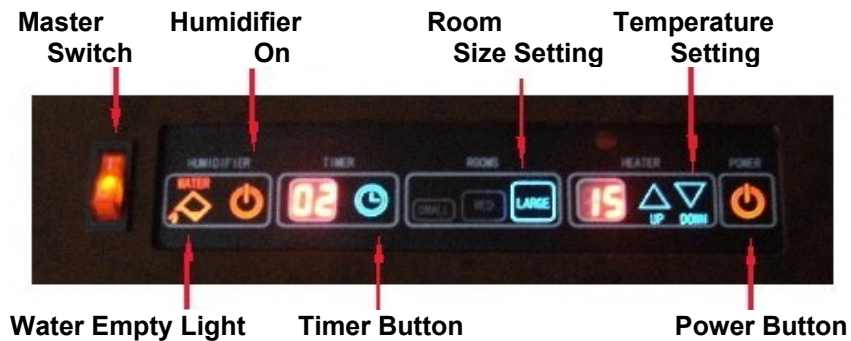
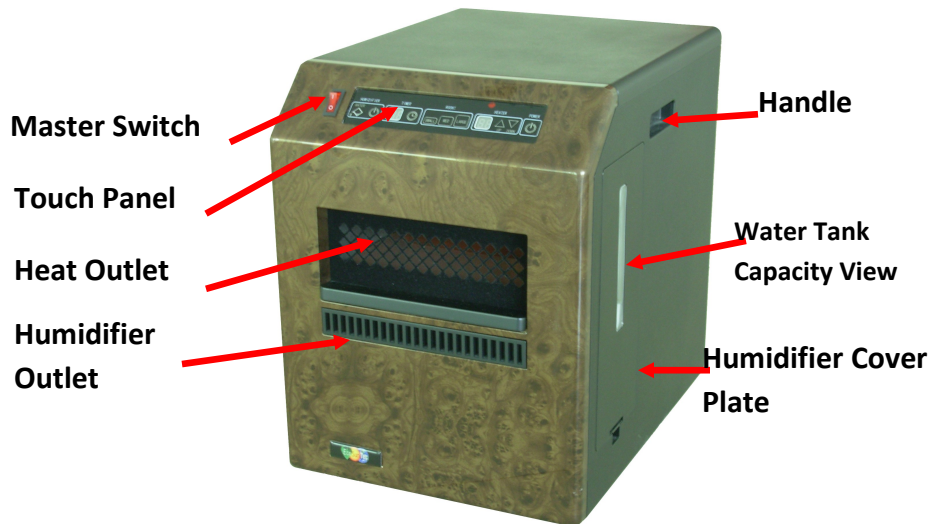
It is normal for the heater's plug and cord to feel warm. If the cord or plug becomes hot, it may be the result of a worn electrical outlet or receptacle. Worn outlets or inferior wiring may result in overheating of the plug and/or power cord. **You should consult your electrician to address outlet/receptacle and or wiring issues.**

UNPACKING

To unpack the box, peel taped seams, fold back the flaps and roll the entire box upside down. Lift the box off the styrofoam packing and heater. Carefully remove styrofoam and all packing materials. Keep the packaging and box for summer storage and/or any transporting needs.

Set the unpacked heater on a level and unobstructed surface.

There are multiple power settings for the heater and it can be used for Small, Medium and Large sized areas as follows: Small-650 Watts-500 sq ft; Medium-1100 Watts-750 sq ft; Large-1500 Watts-1000 sq ft.



OPERATION

TURNING THE HEATER ON

Turn the MASTER SWITCH to the ON position so it is illuminated. The unit will now operate in the air purification mode only. To turn on the heating mode select the area or room size setting desired-LARGE, MEDIUM or SMALL. Wait for the heater to start operating in about 45 seconds. Then adjust the temperature (thermostat) setting as desired.

TEMPERATURE SETTING (thermostat)

Use the heater's (1-15) up and down arrows to adjust the Temperature Setting. Once the selected temperature is reached the heater will maintain the temperature by cycling on and off. Each number up or down changes the temperature by 2.5 degrees. See page 11-temperature (thermostat) settings.

TO TURN HEATER OFF

Turn the POWER BUTTON to the OFF position. The fan will continue to run cooling down the unit and will shut off automatically. It is then safe to turn off the master switch and unplug the unit. Allow it to cool about 10 minutes before performing humidifier and/or filter maintenance.

TIP OVER SAFETY FEATURE

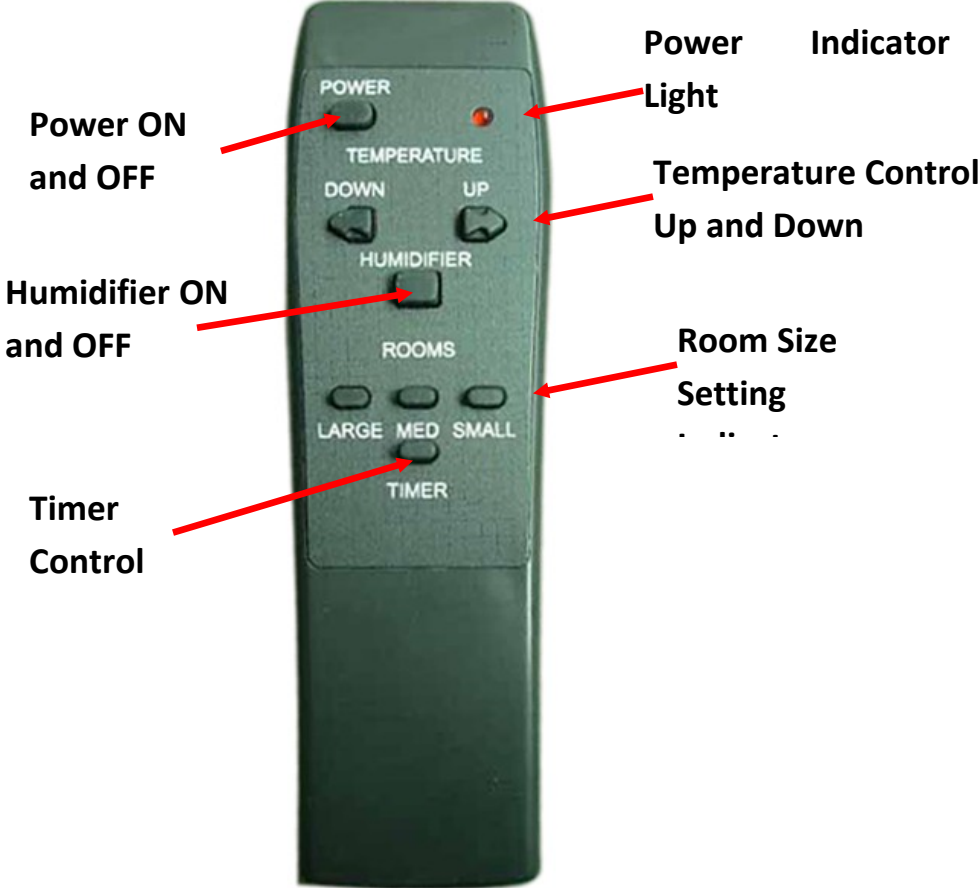
If the EcoSunTec Infrared Moist Air Purifying Space Heater is tipped over, **the power will automatically shut off**. Return the unit to its level position and it will resume in the air purification mode. Then adjust the area/room size and temperature as desired.

REMOTE CONTROL OPERATION

The remote control requires 2 “AA” batteries installed into the battery compartment on the back of the remote control.

To use the remote control, point the remote at the heater and make selections.

Make maximum use of the remote control - reduces “wear and tear” of the control panel.



HUMIDIFIER FEATURE- OPTIONAL FEATURE

The heater can be safely and effectively operated without engaging the humidifier. When the water is diminished from the tank the heater will automatically turn off the humidifier component.

To Use Moist Heat Humidifying Feature

- 1) Use caution when handling the humidifier unit-it will get hot from heater use.
- 2) Make sure the heater and humidifier are turned off. Allow the heater to cool at least 10 minutes.
- 3) Open the cover plate on the side of the heater; unclip at the bottom to release. Slide the humidifier unit out of the humidifier chamber. Remove the water bottle from the humidifier tray.
- 4) Fill the bottle with tap water and empty it into the humidifier unit as shown below. Refill the bottle a second time and place it back into the humidifier inverted.



- 5) Slide the humidifier unit back inside the humidifier chamber. Snap the door closed. The humidifier is now primed to last approximately 8-10 hours.
- 6) Press the Humidifier feature button on in the front of the unit to engage the humidifier. It will cycle on for 2 minutes and off for 3 minutes continuously while engaged.

When the humidifier tank has needs refilling, the “Water”

indicator symbol will light up and the humidifier will shut off.

The heater will automatically switch to dry heat feature when water tank is emptied.

To continue to use the moist heat feature, refill the water tank by following steps 1 to 6.

See care and cleaning of Humidifier unit on Pages 11 &12.

HUMIDIFIER MAINTENANCE TIPS

Clean the humidifier tank once every day that the humidifier is in use.

Empty, remove and store the humidifier tray when the humidifier feature is not being used.

The unit can be safely and effectively operated without using the humidifier feature.

CAUTION: Empty all water from the humidifier tank before lifting, storing or moving the heater. Keep water tank empty and clean when not in use.

Do not place any other items into the water tank such as oils or aromatic substances.

Use only EcoSunTec humidifier filters. Available at www.ecosuntec.com or call us at 803-319-4836 or toll free at 877-326-4320.

Allow heater at least 10 minutes to cool down before refilling, cleaning or emptying the humidifier unit.

If residue from your water source creates unusual amounts of deposit in the humidifier unit, that is an indication you are using a “hard water” source. **Recommend use of distilled water for best results.**

TIMER

The heater is equipped with a timer feature that will either shut the unit off after a desired amount of time or delay the time for the unit to turn on.

AUTO SHUT OFF

With the unit running at the desired temperature, press the **TIMER** button to the desired number of hours you would like the heater to run before shutting off.

The hours range from 2-10 hours in 2 hour increments.

The unit will automatically shut off once the set amount of time has passed. The heater will remain off until you restart the unit.

AUTO TURN ON

With the unit running at the desired setting, press the **POWER** button **OFF**. Set the **TIMER** for number of hours you wish for the heater to restart between 2-10 hours. The unit will resume operation in that number of hours.

To cancel the timer, press the **POWER** button.

GERM KILLING AIR PURIFICATION FEATURE

Air purification can be operated with or without the heating function - **YEAR- round FEATURE**. The UVc (ultra violet) lamp automatically activates when the power button is on. If you need to replace the UVc lamp, visit www.ecosuntec.com or call us at 803-319-4836 or toll free at 877-326-4320 to order.

WASHABLE LIFETIME ELECTROSTATIC AIR FILTER SYSTEM

The EcoSunTec Infrared Moist Air Purifying Space Heaters come equipped with a lifetime washable filter. The filter needs to be cleaned regularly. To do this, follow these steps:

WASHABLE LIFETIME ELECTROSTATIC AIR FILTER SYSTEM

CLEAN THE AIR PURIFYING FILTER

Cleaning the filter is critical.



UVc Lamp

- 1) Turn off the heater. Allow the heater to cool at least 10 minutes. Then unplug the heater.
- 2) To remove the filter from the back of the heater grasp the filter at the bottom and push up on the filter against the springs at the top, then lift it straight out and over the brackets that hold the filter in.
- 3) Clean the dust from the filter with a vacuum cleaner brush attachment or run warm tap water over the filter in the opposite direction of air flow.
- 4) For deeper cleaning soak the filter in water mixed with a small amount of mild dish soap AND RINSE THOROUGHLY.

5) Allow the filter to air dry completely before reinstalling on to the back of the heater.

6) DO NOT force the filter to dry using any type alternative methods other than drip dry. Let it air dry completely.

7) Reinstall the filter on to the back of the unit by pushing it up against the springs then pushing the filter in place over the brackets that hold the filter in place.

The “**Temperature Limiting Control**” safety feature within the unit will shut off the heater if the filter is overly dirty. If the heater stops working, turn off the master switch and allow the heater to cool down. Clean the filter following steps 1-7 on this page. Turn the heater on and resume use. If the unit continues to shut down or the unit does not reboot itself, please call EcoSunTec Technical Assistance 803-319-4836 or toll free at 877-326-4320

HUMIDIFIER CLEANING AND MAINTENANCE

CLEANING THE WATER TANK

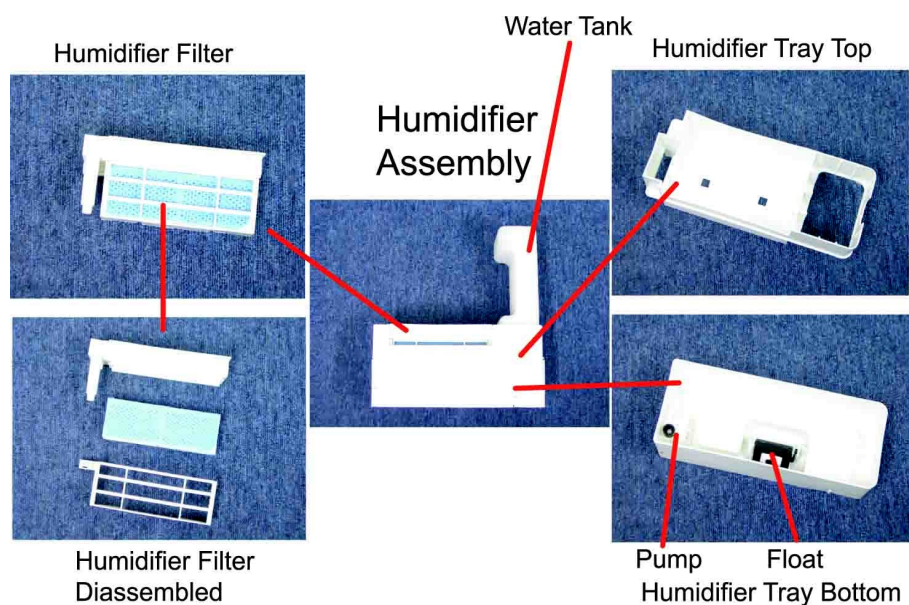
- 1) Make sure the heater is turned off. Allow the heater to cool for at least 10 minutes if necessary.
- 2) Open the cover plate located on the side of the heater; unclip the clip at the bottom of the door to release. Slide the humidifier unit from the humidifier chamber. Remove the water tank from the humidifier unit.
- 3) With some tap water and mild dish soap, wash away dirt and particles in the humidifier unit. Use an old toothbrush and q-tips for hard to reach areas. Rinse thoroughly.
- 4) Let the humidifier assembly dry completely for storage then place the water tank in the humidifier unit. Slide the humidifier assembly back in its place inside humidifier compartment. Snap the door closed.

To refill the water tank, follow the directions page 6.

Temperature (thermostat) Settings

01=50.0F	06=62.5F	11=75.0F
02=52.5F	07=65.0F	12=77.5F
03=55.0F	08=67.5F	13=80.0F
04=57.5F	09=70.0F	14=82.5F
05=60.0F	10=72.5F	15=85.0F

CLEANING THE HUMIDIFIER FILTER



- 1) Pull up to release the filter inside the humidifier tray unit.
- 2) Pour a couple drops of mild dish soap into hot water. Soak the humidifier filter in the solution for 30 minutes. RINSE THOROUGHLY with clean water.
- 3) Allow the filter to dry completely before installing the filter into the heater for storage.

CLEANING THE OUTSIDE OF HEATER UNIT

Use a soft dry cloth to dust the outside of the unit. If necessary use a moist cloth and mild cleaner to clean the exterior of the unit.

STORING YOUR HEATER

Store the unit in a clean dry location. Remove all water. Dry all parts completely before storing. Place in original box and packaging to store.

TROUBLE SHOOTING

Heater does not turn on

Is the power cord inserted into the outlet?

Check the circuit breaker.

Is the heater tilted at all?

Check and clean the air filter.

Blows only slight air

Is something blocking the air outlet?

Check and clean the air filter.

Humidifier not working

Make sure the water tank is set properly in the humidifier assembly.

Is the humidifier assembly set correctly in the compartment?

Is the pump running ?

Is the humidifier clean?

Humidifier water light is on

Is the humidifier tray assembly set correctly in the compartment?

Is the heating unit tilted?

Is the float stuck?

Is the tank out of water?

Unit is noisy

Turn off the humidifier, remove humidifier unit, reinsert humidifier assembly fully, then re-engage humidifier feature.

Temperature Limiting Control Safety Feature

The heater comes equipped with a "Temperature Limiting Control" (TLC) safety feature. Blocking of air flow will trigger the TLC.

Keep the filter clean. Check the filter often if the heater is being used in a dirty or dusty area. The filter can clog and trigger the TLC safety feature causing the heater to stop running.

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Efficient Heating Tips

Try different placements of the heater to see what works best for your area/room.

Avoid placing the heater in drafty areas or near air filtration systems as the warm air will be exhausted quickly. Close the cold air return to prevent the heat being drawn away. Seal drafty cracks around windows or doors to help insulate the room from drafts.

For more efficient heating place the heater near a warmer inside wall and direct the warm air output towards a cooler outside wall.

Due to the humidity feature, a soft heat is created resulting an evenly heated atmosphere that makes lower temperature feel warmer - 68 degrees feel like 72 degrees.

In rooms with large areas of bare concrete, place the heater a foot or so above the floor. Make sure the heater is in a secure spot so it won't fall. Bare concrete will tend to suck up the heat.

Save on heating bills. Why heat rooms to 68 or more degrees when they are not in use? Try lowering your central heating system temperature. Use the EcoSunTec Infrared Moist Air Purifying Space Heater where you are spending your time.

In larger areas, place the heater in a central location. Use a ceiling fan in the reverse mode to move the air against the walls and downward - helps distribute the heat more evenly.

WARRANTY

EcoSunTec products with valid serial numbers are warranted to the original purchaser only to be free from defects and workmanship for three (3) years. The heat element is warranted for five (5) years. Warranty period begins on date of purchase. If a valid serial number is missing from a product, the warranty is void. Warranty card must be received within 30 days of purchase for warranty activation.

EcoSunTec's liability under this warranty is limited to repair, or at EcoSunTec's discretion, replacement without charge, except for transportation. All shipping and handling charges on parts or units submitted under this warranty shall be paid by the purchaser. EcoSunTec shall perform all warranty work at its repair center or at authorized service centers.

Units returned after the warranty period or those that do not have a valid serial number will be repaired for a reasonable charge. The customer will be advised of repair charge before proceeding. This warranty will not apply to any unit which EcoSunTec determines with reasonable judgment has been subject to improper maintenance, alteration, misuse negligence, accident or damage resulting from improper service by those not authorized by EcoSunTec to perform such work. Usage with any voltage other than what is specified will void the warranty.

All warranties implied by law including the implied warranties of merchantability and fitness for a particular purpose, are expressly limited to the duration of the limited warranties set forth above.

With exception of damages resulting from EcoSunTec's failure to comply with any obligation under Federal or State Warranty Law, EcoSunTec shall not be liable to the purchaser or anyone else for damages including, but not limited to consequential damages, and damages by reason of injury to any person due to defect or malfunction of the unit, or any part or parts therein, or for any other reason.

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Some states do not allow the exclusion or limitation of

incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

For warranty repairs, please contact EcoSunTec at 803-319-4836 or one of our authorized repair centers.

RETURN POLICY

EcoSunTec supports its dealer network return policy up to 30 days from purchase. The unit must be returned to the original purchase location for a refund. The product must be in its original condition, packed with original packing material to include the delivery box, manuals and accessories that come with the heater. If any of the above items are missing or damaged, a re-stock fee may be applied or credit may not be issued.

If the unit was purchased directly from EcoSunTec, a return authorization number (RAN) must be obtained by calling 803-319-4836. All returns must include a RAN. Units returned without proper authorization will be charged a re-stocking fee. Any claim for damaged items must be submitted to us within seven (7) business days after delivery. All shipping and handling charges are the responsibility of the purchaser. We recommend you ship via FedEx or UPS for proper tracking and insure the package. You are responsible for returning the unit to our return facility undamaged and in good working order.

If delivery is refused and the shipment is returned to our warehouse, a re-stock fee will be applied.

NOTES

NOTES

WARRANTY CARD

EcoSunTec Heater Warranty Registration

Thank-you for purchasing the EcoSunTec Infrared Moist Air Purifying Space Heater 3 Way Heating System

Please return this card within 30 days of purchase to activate your warranty. Failure to do so will void your warranty.

EcoSunTec Heater Warranty Registration

E-mail address _____

First Name _____ MI ____ Last Name _____

Street _____ Apt# _____

City _____ State _____ Zip _____

Phone number _____

Model # _____ Serial# _____

Date of Purchase ____/____/____

Where Purchased _____

Place
Stamp
Here

Eco Sun Technologies, LLC
100 Old Cherokee Rd.
Suite F-155
Lexington, SC 29072
