



ULTRASONIC HUMIDIFIER



Instruction Manual

PLEASE READ THESE SAFETY INSTRUCTIONS BEFORE USE AND SAVE THEM FOR FUTURE REFERENCE

INTRODUCTION

Thank you for choosing the **RAM Ultrasonic Humidifier**. Each unit has been manufactured to ensure safety and reliability. Before using for the first time, please read the instructions carefully and keep them for future reference.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Use this humidifier only as described in this manual. Other use not recommended may cause fire, electric shock or injury to persons.
2. Always have water in the water tank when operating the unit.
3. Use only clean, cool tap water to fill the tank. If you have hard tap water, it is strongly suggested to use distilled water.
4. Be sure the cap of the water tank is firmly tightened.
5. When adding water to the tank, make sure water does not enter the mist output opening.
6. During operation, rotate the mist nozzle so it aims away from children, walls, electronics and furniture.
7. This product is intended for household use ONLY and not for commercial, industrial or outdoor use.
8. Do not add medication of any type into the nozzle, base or water tank.
9. Do not cover any openings on the unit or insert objects into any openings.
10. Do not tilt or tip the unit or attempt to empty or fill while in operation.
11. Do not leave the unit unattended in closed rooms - the air could become saturated and leave condensation on walls or furniture. Always leave the room door / window partly open.
12. To protect against electric shock, do not immerse unit, plug or cord in water or other liquids.
13. Keep the cord away from heated surfaces and areas where it could be walked on or tripped over.
14. Use only a 220-240V AC outlet.
15. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
16. Turn the unit OFF and unplug from the outlet when not in use, when moving from one location to another and before cleaning.
17. To disconnect, first turn the unit OFF, grip the plug and pull from the wall outlet. Never pull the plug by the cord.
18. Do not operate the humidifier in the presence of explosive and/or flammable fumes.
19. Do not place the humidifier or any parts near an open flame, cooking or other heating appliance.
20. Do not operate the humidifier if it malfunctions, if it has been dropped, or damaged in any way. Seek advice from the manufacturer, its service agent, or similarly qualified persons. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid hazard.
21. The use of attachments not recommended by the manufacturer may be hazardous.
22. Place the humidifier on a flat, level surface away from direct sunlight.
23. Do not operate if the housing is damaged.
24. A loose fit between the AC outlet (receptacle) and plug may cause overheating and a distortion of the plug. Contact a qualified electrician to replace loose or worn outlet.
25. Do not place within 5 feet to a TV, computer, mobile phone or other electronics as the mist may cause damages.

NOTE ON HUMIDITY LEVEL

- It is best to keep the humidity level between 30~50 percent of relative humidity.
- The comfort level of humidity will vary from room to room and with changing room conditions.
- In cold weather, windows and sometimes walls may fog or develop frost from excessive indoor humidity. If this occurs, reduce the mist intensity setting to avoid damage from condensed water dripping on windowsills.
- Too much humidity in the room may allow moisture to accumulate on surfaces where bacteria and fungi can grow. Moisture that gathers may also damage furniture, walls and wallpaper.
- To eliminate excessive humidity, especially in smaller rooms, leave the room door or window open and adjust the mist intensity control accordingly.

OPERATING INSTRUCTIONS

- Place unit on a smooth level surface that can support the unit when filled with water.
- Lift and remove mist nozzle.
- Remove water tank. Turn it upside-down and turn the cap counter-clockwise to open.
- Fill with **COOL** tap water or **DISTILLED** water. **DO NOT USE HOT WATER.**

Empty the residual water in base and water tank when re-filling water tank.

- Replace the fill cap by turning clockwise – do not over tighten.

NOTE: When carrying a filled water tank, place one hand under for support.

- Place water tank back on the base, be sure tank is correctly aligned with base; replace the mist nozzle.
- Allow water to fill the reservoir in the base.
- Plug in power source and turn control dial clockwise (pass the ‘click’ sound) to power on.
- To adjust mist intensity, turn the control dial clockwise to increase and counter-clockwise to decrease.

Indicator light: “Humidify” indicator light on = humidifying; “Water” indicator light on = water out or tank is not properly aligned

NOTE: Once the water tank is in place, do not attempt to move the humidifier. If it has to be moved, unplug the unit and drain water from the base before moving.

Once the unit is plugged in or during operation, do not attempt to pick up the water tank.

GENERAL TROUBLESHOOTING AND SOLUTIONS

Symptoms	Reason analysis	Solutions
No wind or mist	The plug is not connected properly	Insert the plug correctly
	The power is off	Turn on the power
	No water or little water in the tank	Fill with enough water
Abnormal smell	New machine	Open the water tank and leave open in a cool and well ventilated area for 12 hours
	Water is not clean or has been in the machine for a long time	Clean the tank and fill it with clean water
Abnormal sound	Water tank is inserted incorrectly	Adjust the water tank correctly
	Resonance caused by little water in the tank	Fill enough water
Mist going around the mist spray mouth	Resonance caused by unsteady table	Put the appliance on steady table

CARE & MAINTAINENCE

- Turn off power and unplug unit before cleaning.
- Never use a detergent or any cleaning chemicals to clean the tank or base. Detergent dissolved in the water supply can interfere with the mist output.
- If water tank is extremely dirty, soak with a mild bleach and water solution and rinse clean. Never use detergent.
- Wipe the exterior of the body with a damp cloth.
- Do not spray water or any liquid onto the control.
- Never immerse the base in water or let water enter the air outlet or other openings.
- Clean and rinse the water tank and mist nozzle with lukewarm water frequently to avoid mineral build up, especially during the heating season.
- Keep the nebulizer and water sensor free of mineral deposits. Remove water tank and empty the reservoir. Clean the nebulizer and sensor with a soft brush (for example; an old toothbrush). Do not scrape the nebulizer or water sensor. Do not clean with tools that have metal parts.
- Leaving water to sit in the tank for more than a couple days may cause bacterial growth. Always empty the tank if not planning to use for a few days.

STORAGE

- Save the box for off-season storage.
- Clean the tank, base and all parts thoroughly and dry completely before storage.

NOTE: If water is left in the unit during storage, it may harden and leave deposits that may affect the unit from operating properly.

- Leave the cap of the water tank loose. This will prevent the cap and gasket from sticking together and prolong the life of the gasket.
- Do not put anything on top of the unit during storage, to prevent any damage to it.

TECHNICAL SPECIFICATIONS

Product Name	RAM Ultrasonic humidifier
Model	09-435-400
Input voltage	AC 230 V~50 Hz
Power consumption	30 W
Evaporation	400 ml/h
Water tank capacity	5 L

Operate in a safe manner

This is an electrical item so make sure you use only as intended and instructed in this document. Misuse could cause fire or personal injury.

This unit is intended for household use only, to protect against electrical shock the unit must not be immersed in any liquids or spray.

Due to it being an electrical item, if the unit is being used by children then care must be taken and we recommend adult supervision.

Remove unit from power for cleaning or for long periods of non-use.

Avoid contact with moving parts and do not force anything into the unit housing.

Do not operate the unit near to flammable liquids or gas.

Do not operate the unit near hot surfaces or open flames.

Do not operate the unit if it is damaged in any way.

Do not swing or hang the unit by the power cord and be careful not to cause a tripping hazard with the cord.

When powering down, never pull out the plug from the wall socket by pulling on the power cable, always grip by the plug.

Always use on level dry surfaces free of dust and damp.

Care and Storage

Before cleaning make sure the unit is switched off and unplugged.

Clean your unit with a soft damp cloth, never immerse in water or let water penetrate the motor housing. Make sure the unit is completely dry before use.

Never use abrasive or aggressive cleaning products on the unit housing as this can cause damage.

When not in use store the unit in its box to protect from household dust and store in a cool dry environment.

Compliance:

This product is ERP compliant and complies with all relevant and current EU and UK Regulations and Legislation.

Service and warranty

If the unit malfunctions, or has been dropped or damaged, turn off the power and check for damage to the power lead or plug. Do not operate if damage has occurred. Do not take the unit apart or alter the unit in any way as this will void your warranty and may cause further damage to the unit or personal injury.

If returning a faulty product please make sure the complete unit is returned to your retailer complete with proof of purchase (warranty will be void without proof of purchase). For your convenience please make sure you make a record of your purchase date, retailer name, model number and date of manufacture.

Help the environment by disposing of your product responsibly. The wheellie bin symbol indicates the product must not be disposed of in the domestic waste as it contains substances which can be damaging to the environment and health. Check your local authority for recycling points and advice.



Produced and guaranteed by HydroGarden.

HydroGarden Ltd., 2 Progress Way, Binley, Coventry CV3 2NT, UK

Tel: +44 (0)24 7665 1500 | EU Economic Operator - Grow in AG,

Wallenroder Str. 7-9, 13435 Berlin, Germany

rapidairmovement.co.uk