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raydrop KC-RD06-1

raydrop Cool Mist 2.2L Ultrasonic Humidifier

MODEL: KC-RD06-1 USER MANUAL

1. Introduction

Thank you for choosing the raydrop Cool Mist Ultrasonic Humidifier. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your humidifier. Please read these instructions thoroughly before use and retain them for future reference.

This humidifier features a 2.2-liter water tank, adjustable mist settings, quiet operation (below 30dB), and an automatic shut-off function for safety.

2. Important Safety Instructions

- Always place the humidifier on a firm, flat, waterproof surface at least 12 inches (30 cm) away from walls and appliances.
- Do not place the humidifier directly on carpet, towels, or other absorbent surfaces.
- Do not immerse the base unit in water or other liquids.
- Always unplug the humidifier before filling, cleaning, or moving it.
- Do not add essential oils or other additives directly into the water tank or base, as this may damage the unit and void the warranty.
- Keep out of reach of children and pets.
- Use only clean, cool tap water. Distilled or demineralized water is recommended to prevent white dust.
- Do not block the mist outlet.
- If the humidifier is damaged, do not operate it. Contact customer support.

3. Package Contents

Verify that all components are present:

- raydrop Cool Mist Ultrasonic Humidifier (Base, Water Tank, Mist Nozzle)

- User Manual
- Cleaning Brush (may be included)

4. Product Components



Figure 1: Humidifier Components

The raydrop humidifier consists of the following main parts:

1. **Mist Nozzle:** Directs the mist output.
2. **2.2-Liter Tank:** Holds the water for humidification.
3. **Water Tank Cap:** Secures the water in the tank and allows refilling.

4. **Humidifier Base:** Contains the ultrasonic transducer, fan, and control electronics.

5. **Dial Knob:** Controls power and mist output level.

5. Setup

Follow these steps for initial setup:

1. **Unpack:** Carefully remove all packaging materials and place the humidifier on a stable, flat surface.
2. **Remove Tank:** Lift the water tank from the humidifier base.
3. **Fill Tank:** Invert the water tank and unscrew the water tank cap. Fill the tank with clean, cool tap water. The large 3.74-inch opening facilitates easy filling. Do not fill past the maximum water level indicator.
4. **Secure Cap:** Screw the water tank cap back on tightly.
5. **Place Tank:** Place the filled water tank back onto the humidifier base, ensuring it is seated correctly.
6. **Connect Power:** Plug the power cord into a standard electrical outlet. The indicator light may illuminate.



Figure 2: Easy Refilling Process

6. Operating Instructions

To operate your raydrop humidifier:

1. **Power On/Mist Adjustment:** Rotate the dial knob clockwise from the 'OFF' position. The indicator light will turn on, and mist will begin to emit. Continue rotating the knob clockwise to increase the mist output. Rotate counter-clockwise to decrease mist output.
2. **Night Light:** The humidifier features an optional colorful night light. The operation of the night light is typically integrated with the power knob or a separate button (refer to specific model features if applicable). The light cycles through colors and cannot be locked to a single color.
3. **Automatic Shut-Off:** The humidifier is equipped with an automatic shut-off feature. When the water level in the tank is too low or runs out, the unit will automatically turn off, and the indicator light will turn red. This prevents damage to the unit and ensures safety.
4. **Power Off:** Rotate the dial knob counter-clockwise until it clicks into the 'OFF' position. Unplug the unit when not in use.



Figure 3: Adjusting Mist Output

Perfect For Bedtime



Optional
Colorful Light



Whisper
Quiet



Figure 4: Night Light Feature

7. Maintenance

Regular cleaning is crucial for optimal performance and hygiene.

Daily Maintenance:

- Empty any remaining water from the tank and base.
- Rinse the water tank and base with fresh water.
- Refill the tank with clean, cool water before each use.

Weekly Cleaning:

- **Unplug:** Always unplug the humidifier before cleaning.
- **Empty Water:** Remove the water tank and empty all water from both the tank and the base.
- **Clean Tank:** Use a soft brush or cloth to clean the inside of the water tank. The large opening makes this process easier. Rinse thoroughly.

- **Clean Base:** Gently wipe the inside of the base, especially the ultrasonic transducer (the small disc), with a soft cloth. Do not use abrasive cleaners or scrub the transducer.
- **Descaling (if needed):** If mineral deposits (white dust) accumulate, mix a solution of equal parts white vinegar and water. Pour the solution into the base and let it sit for 20-30 minutes. Gently scrub with a soft brush, then rinse thoroughly with clean water. Do not use vinegar in the water tank itself, only for descaling the base if necessary.
- **Dry:** Allow all parts to air dry completely before reassembling or storing.

Storage:

When not in use for an extended period, clean the humidifier as described above, ensure all parts are completely dry, and store it in a cool, dry place.

8. Troubleshooting

If you encounter issues with your humidifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No mist or low mist output	No water in tank; Tank not seated correctly; Mineral buildup on transducer; Mist nozzle blocked.	Refill water tank; Re-seat tank properly; Clean transducer (see Maintenance); Clear mist nozzle.
Red indicator light is on	Water level is too low or empty.	Refill the water tank.
Unusual noise	Humidifier not on a flat surface; Water level too low; Foreign object in base.	Place on a flat, stable surface; Refill water tank; Unplug and check base for obstructions.
Water leaking from base	Water tank cap not tightened; Tank not seated correctly; Crack in tank.	Tighten water tank cap; Re-seat tank properly; If tank is cracked, contact support for replacement.
White dust around humidifier	Hard water used.	Use distilled or demineralized water. Clean unit regularly to remove mineral buildup.

9. Specifications

Feature	Detail
Brand	raydrop
Model Name	KC-RD06-1
Operation Mode	Ultrasonic
Water Tank Capacity	2.2 Liters (0.58 Gallons)
Max Mist Output	Up to 230 ml/h

Feature	Detail
Max Work Time	Up to 30 hours (on lowest setting)
Noise Level	28dB - 30dB (Whisper-Quiet)
Special Features	Auto Shut-Off, Night Light, Quiet Operation
Product Dimensions	6.5"D x 9.45"W x 8.66"H
Item Weight	1.74 Pounds
Voltage	110 Volts
Wattage	16 Watts
Room Type	Bedroom, Office

10. Warranty and Support

raydrop products are designed for reliability and performance. For warranty information, please refer to the warranty card included with your purchase or visit the official raydrop website. If you experience any issues or have questions regarding your humidifier, please contact raydrop customer support through their official channels or the retailer where the product was purchased.

Please have your model number (KC-RD06-1) and purchase details ready when contacting support.

