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WANAI B0CT87RV4N

WANAI 30 Pint Dehumidifier (2500 Sq.Ft) User Manual

Model: B0CT87RV4N

Safety Instructions Product Overview Setup Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Important Safety Instructions

Please read all instructions carefully before using the WANAI 30 Pint Dehumidifier. Keep this manual for future reference.

- Ensure the dehumidifier is placed on a stable, level surface to prevent tipping.
- Do not operate the unit near water or in excessively wet environments.
- Keep the air inlet and outlet grilles clear of obstructions to ensure proper airflow.
- Do not insert objects into the grilles or openings.
- Unplug the dehumidifier before cleaning, maintenance, or when not in use.
- Do not use if the power cord or plug is damaged. Contact customer support for assistance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Operate the unit within the specified temperature and humidity ranges (e.g., under 95°F, 90% RH).

2. Product Overview

The WANAI 30 Pint Dehumidifier is designed to efficiently remove excess moisture from your indoor environment, covering areas up to 2500 sq. ft. It features multiple operating modes, flexible drainage options, and user-friendly controls.



Figure 2.1: WANAI 30 Pint Dehumidifier with its main specifications.

Key Features:

- **High Efficiency:** Removes up to 30 pints of moisture per day, suitable for spaces up to 2500 sq. ft.
- **Dual Drainage Options:** Features a 2.2L removable water tank with auto-shutoff, and a continuous drain hose option.
- **Multiple Modes:** Includes Dehumidify (DEHU), Drying (DRY), and Fan (AIR) modes for versatile use.
- **Adjustable Humidity:** Allows setting desired humidity levels from 30% to 80%.
- **24-Hour Timer:** Program the unit to turn on or off automatically.
- **Portable Design:** Equipped with built-in handles and 360° universal wheels for easy movement.
- **Washable Filter:** Easy-to-clean air filter for improved air quality and unit longevity.

Control Panel Overview:



Figure 2.2: LED Intelligent Touch Control Panel.

- **Power Button:** Turns the unit On/Off.
- **Mode Button:** Cycles through DEHU, DRY, and AIR modes.
- **Humi+ / Humi- Buttons:** Adjusts the desired relative humidity (30%-80% RH).
- **Timer Button:** Sets the 24-hour timer for automatic operation.
- **Speed Button:** Selects High or Low fan speed.
- **Indicators:** Defrost, Full (water tank), Dehu, Dryer, Air.

3. Setup

Unpacking and Placement:

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit upright on a firm, level surface. Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow.
3. Avoid placing the unit near heat sources, in direct sunlight, or in areas where it might be exposed to freezing temperatures.
4. Ensure the power cord is not pinched or damaged.

Drainage Options:

Your WANAI dehumidifier offers two methods for water removal:

A. Manual Drainage (Water Tank):

The unit comes with a 2.2L water tank. When the tank is full, the dehumidifier will automatically shut off, and the "FULL" indicator light on the control panel will illuminate. Empty the tank as follows:

1. Gently pull out the water tank from the front of the unit.
2. Carefully carry the tank to a sink or drain and empty the collected water.
3. Slide the empty water tank back into the dehumidifier until it clicks into place. The "FULL" indicator light will turn off, and the unit will resume operation.



Figure 3.1: Removing the water tank for manual drainage.

B. Continuous Drainage (Drain Hose):

For continuous operation without needing to empty the water tank, use the included drain hose.

1. Locate the continuous drain outlet on the back of the dehumidifier.
2. Remove the rubber stopper from the drain outlet.
3. Connect one end of the provided drain hose to the outlet. Ensure a secure connection to prevent leaks.
4. Route the other end of the hose to a suitable drain (e.g., floor drain, large bucket). Ensure the hose is sloped downwards to allow gravity drainage and is free of kinks or blockages.

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Video 3.1: Demonstration of connecting the continuous drain hose for automatic water removal.



Figure 3.2: Continuous drainage hose connection.

4. Operating Instructions

Powering On/Off:

- Plug the dehumidifier into a grounded electrical outlet.
- Press the **Power** button on the control panel to turn the unit on or off.

Selecting Operating Mode:

Press the **Mode** button to cycle through the available modes:

- **DEHU (Dehumidify Mode):** Standard dehumidification. The unit will operate to reach and maintain your set humidity level.
- **DRY (Drying Mode):** Designed for faster moisture removal, often used for drying clothes or very damp areas.
- **AIR (Fan Mode):** The unit operates as a fan, circulating air without active dehumidification.

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Video 4.1: Demonstration of switching between the three operating modes (DEHU, DRY, AIR).

Setting Desired Humidity:

In DEHU mode, you can set your desired humidity level:

- Use the **Humi+** and **Humi-** buttons to adjust the target relative humidity from 30% to 80%.
- The unit will run until the ambient humidity reaches the set level, then cycle on and off to maintain it.

Adjusting Fan Speed:

Press the **Speed** button to toggle between High and Low fan speeds.

Using the Timer:

The 24-hour timer allows you to schedule when the unit turns on or off:

- **To set Auto-Off:** While the unit is running, press the **Timer** button. Use **Humi+** / **Humi-** to set the desired number of hours (1-24) until the unit turns off.
- **To set Auto-On:** While the unit is off, press the **Timer** button. Use **Humi+** / **Humi-** to set the desired number of hours (1-24) until the unit turns on.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier. Always unplug the unit before performing any maintenance.

Cleaning the Air Filter:

The washable air filter should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Unplug the dehumidifier.
2. Remove the water tank.
3. Locate the air filter cover on the back of the unit. Gently unclip and remove the cover.
4. Carefully pull out the air filter.
5. Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinserting.
6. Once dry, place the filter back into its slot, reattach the cover, and reinsert the water tank.

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Video 5.1: Guide on how to remove and clean the air filter.



Figure 5.1: Removing the air filter for cleaning.

Cleaning the Exterior:

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

Storage:

If storing the unit for an extended period:

- Empty and clean the water tank.
- Clean the air filter.
- Ensure the unit is completely dry before storing.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

6. Troubleshooting

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Power button not pressed; Water tank full or not properly inserted.	Check power connection; Press Power button; Empty and reinsert water tank correctly.
Unit is running but not collecting water.	Ambient humidity is too low; Temperature is too low; Air filter is clogged; Unit is in Fan mode.	Check ambient humidity (must be above set point); Ensure room temperature is above 41°F (5°C); Clean air filter; Switch to DEHU or DRY mode.

Problem	Possible Cause	Solution
"FULL" indicator light is on, but tank is not full.	Water tank not properly seated; Float switch malfunction.	Remove and reinsert water tank firmly; Contact customer support if issue persists.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Internal components vibrating.	Place on a level surface; Clean air filter; Ensure no loose parts.
Water leaking from the unit.	Water tank not properly inserted; Continuous drain hose not connected securely or kinked.	Reinsert water tank correctly; Check drain hose connection and ensure it's not kinked or blocked.

7. Specifications

Feature	Specification
Brand	WANAI
Model	B0CT87RV4N (2500 Sq.Ft variant)
Dehumidification Capacity	30 Pints per Day (under 95°F, 90% RH)
Coverage Area	Up to 2500 Sq. Ft.
Water Tank Volume	2.2 Liters
Product Dimensions (D x W x H)	10.5" x 8.7" x 18"
Item Weight	24.1 pounds
Wattage	1500 watts
Operation Modes	DEHU, DRY, FAN
Humidity Setting Range	30% - 80% RH
Timer	24-hour programmable
Special Features	Auto-shutoff, Continuous drainage, Washable filter, 360° wheels, Built-in handle

8. Warranty & Support

Warranty Information:

WANAI provides a one-year maintenance service for this dehumidifier. This warranty covers defects in materials and

workmanship under normal use.

Please retain your proof of purchase for warranty claims.

Customer Support:

If you have any questions, require assistance, or encounter issues with your WANAI dehumidifier, please contact our customer support team. We are committed to providing prompt replies and effective resolutions.

For contact information, please refer to the contact details provided in your product packaging or visit the official WANAI website.

Online support is available 24 hours.

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