**Avalla X550**

# Avalla X-550 Smart 4-in-1 Dehumidifier and Air Purifier User Manual

Model: X550

Introduction | Safety Information | Product Overview | Setup | Operation | Maintenance | Troubleshooting | Specifications | Warranty & Support

## 1. Introduction

Thank you for choosing the Avalla X-550 Smart 4-in-1 Dehumidifier and Air Purifier. This appliance is designed to improve your indoor air quality by controlling humidity, purifying the air, and offering specialized modes for laundry drying and quiet operation. Please read this manual thoroughly before operating the unit to ensure safe and efficient use. Keep this manual for future reference.

## 2. Important Safety Information

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

- Read all instructions before using the appliance.
- Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been dropped or damaged in any manner.
- Ensure the power supply matches the voltage specified on the rating label.
- Do not immerse the appliance, power cord, or plug in water or other liquids.
- Keep the appliance away from heat sources, direct sunlight, and flammable materials.
- This appliance is for indoor use only.
- Children should be supervised to ensure they do not play with the appliance.
- Always unplug the appliance before cleaning, servicing, or moving it.
- Do not block air inlets or outlets.
- Use only manufacturer-recommended attachments.

# 3. Product Overview

## 3.1 Components

The Avalla X-550 is a compact and efficient unit designed for optimal performance.



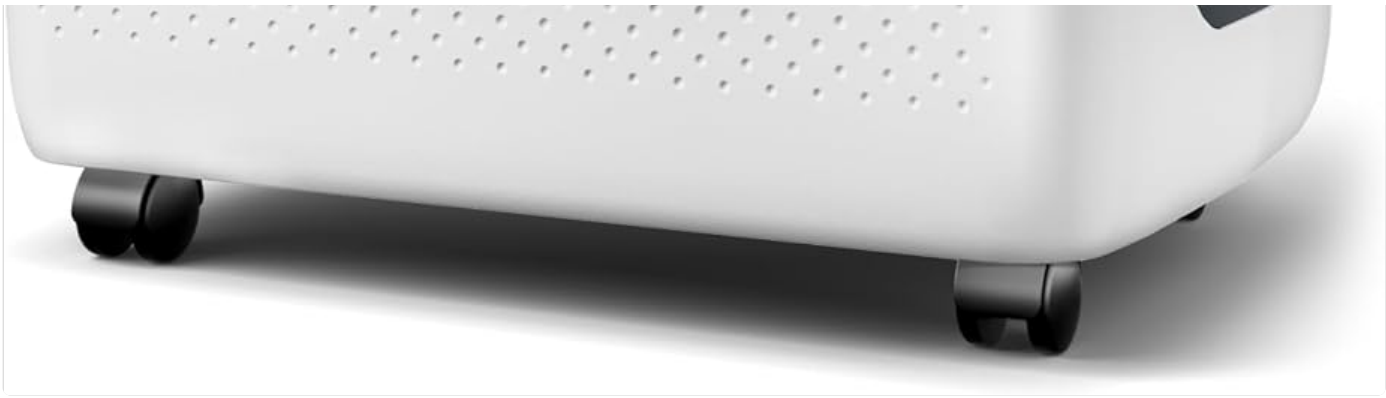


**Image 1:** Front view of the Avalla X-550 Dehumidifier, showcasing its sleek white design and perforated side panels.

- **Main Unit:** Houses the compressor, fan, and control panel.
- **Water Tank:** Removable 4.5-liter tank for collecting condensed moisture.
- **Air Inlet/Outlet:** Grilles for air circulation.
- **Control Panel:** Touch display for settings and modes.
- **Casters:** For easy mobility.
- **Drainage Hose:** For continuous drainage option.

## 3.2 Control Panel and Features

The intuitive touch display allows for easy control of all functions.




**Image 2:** Close-up of the Avalla X-550 control panel, illustrating the digital display and various function icons, alongside a summary of its 4-in-1 capabilities.

- **Dehumidifier:** Removes moisture to a desired humidity level.
- **Ionizer:** Purifies air by breaking down harmful particles, eliminating 99.9% of bacteria and viruses.
- **Laundry Mode:** Uses high fan speed to accelerate drying of clothes.
- **Sleep Mode:** Operates quietly at 32dB with lights off for undisturbed rest.
- **24-hour Timer:** Dual function for delayed start and shut-off.
- **Child/Pet Lock:** Disables touch controls to prevent accidental changes.
- **Adjustable Humidity Control:** Set your desired humidity level.
- **Digital Display:** Shows current humidity and settings.

## 4. Setup

### 4.1 Unpacking and Placement

1. Carefully remove the dehumidifier from its packaging.
2. Place the unit upright on a flat, stable surface. Allow it to stand upright for at least 2 hours before plugging it in, especially if it was transported horizontally.
3. Ensure there is at least 20 cm (8 inches) of space around the air inlets and outlets for proper air circulation.
4. The unit is equipped with casters for easy movement.




**Image 3:** Diagram illustrating optimal placement of the Avalla X-550 within a home environment for efficient whole-house dehumidification.

### 4.2 Power Connection

- Plug the power cord into a grounded electrical outlet.
- Ensure the outlet voltage matches the unit's requirements (220-240V, 50Hz).

### 4.3 Continuous Drainage Setup

For continuous operation without emptying the water tank, you can set up continuous drainage.




**Image 4:** Detailed view of the 4.5-liter removable water tank and the connection point for the continuous drainage hose on the Avalla X-550.

1. Locate the drainage outlet on the back of the unit.
2. Securely attach the provided drainage hose to the outlet.
3. Route the other end of the hose to a suitable drain, ensuring it is positioned lower than the unit's drainage outlet for gravity flow.

## 5. Operating Instructions

### 5.1 Power On/Off

- Press the **Power** button on the control panel to turn the unit on or off.

### 5.2 Setting Desired Humidity

- In Dehumidifier mode, press the **Humidity Adjustment** button (often labeled "ADJ" or with up/down arrows) to set your desired humidity level. The unit will operate until this level is reached.
- The intelligent humidity sensor will automatically activate the unit when humidity rises above the set level.

### 5.3 Mode Selection

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

- **Dehumidify Mode:** Standard operation to reduce ambient humidity.
- **Ionizer Mode:** Activates the ionizer for air purification. This can be used independently or in conjunction with dehumidification.
- **Laundry Mode:** Increases fan speed to assist in drying clothes indoors.




**Image 5:** The Avalla X-550 operating in Laundry Mode, positioned near a clothes rack to facilitate indoor drying without excessive moisture buildup.

- **Sleep Mode:** Reduces fan speed for quiet operation (32dB) and turns off display lights for minimal disturbance.




**Image 6:** The Avalla X-550 operating discreetly in a bedroom, illustrating its quiet performance in Sleep Mode.

### 5.4 Timer Function

- Press the **Timer** button to set a delayed start or shut-off time (up to 24 hours).
- Use the humidity adjustment buttons to set the desired hours.

### 5.5 Child/Pet Lock

- Press and hold the **Child Lock** button (often indicated by a lock icon) for a few seconds to activate or deactivate the control panel lock.

### 5.6 Fan Speed

- The unit has 2 fan speeds. In certain modes (e.g., Laundry Mode), the fan speed may automatically adjust.

## 6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

### 6.1 Emptying the Water Tank

- When the water tank is full, the unit will automatically stop operation and an indicator light will illuminate.
- Carefully pull out the water tank from the unit.
- Empty the collected water.
- Slide the empty tank back into the unit until it clicks into place. The unit will resume operation.

### 6.2 Cleaning the Air Filter

A clean air filter is crucial for efficient operation and air purification.

1. Turn off the unit and unplug it from the power outlet.
2. Locate and remove the air filter (typically on the back or side panel).
3. Clean the filter using a vacuum cleaner to remove dust and debris. For heavier dirt, wash it gently with lukewarm water and a mild detergent.
4. Rinse thoroughly and allow the filter to air dry completely before reinserting it.
5. Reinstall the dry filter and plug the unit back in.

### 6.3 General Cleaning

- Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure no water enters the electrical components.

## 7. Troubleshooting

Before contacting customer support, please refer to the following common issues and solutions.

| Problem | Possible Cause | Solution |
|---|---|---|
| Unit does not turn on. | No power supply; Power cord not plugged in; Water tank full or incorrectly inserted. | Check power outlet; Ensure power cord is securely plugged in; Empty and reinsert water tank correctly. |
| No water collected. | Ambient humidity too low; Temperature too low; Air filter clogged; Continuous drainage hose connected. | Dehumidifier may not be needed; Unit operates best above 5°C; Clean air filter; Disconnect continuous drainage if not desired. |
| Unit is noisy. | Unit not on a level surface; Air filter clogged; Obstruction in fan. | Place on a flat, stable surface; Clean air filter; Check for and remove any obstructions. |
| Airflow is weak. | Air filter clogged; Air inlets/outlets blocked. | Clean air filter; Ensure clear space around the unit. |

## 8. Specifications

Technical details for the Avalla X-550 Smart 4-in-1 Dehumidifier and Air Purifier.

- **Model:** X550
- **Brand:** Avalla
- **Dehumidification Capacity:** 20 Liters/day

- **Water Tank Volume:** 4.5 Liters
- **Recommended Area:** Up to 64 m³
- **Power Consumption:** 280 Watts (0.26 kW/h)
- **Noise Level:** 32 dB (in Sleep Mode)
- **Dimensions (L x W x H):** 32.2 x 23.4 x 52.3 cm
- **Weight:** 12.6 kg
- **Refrigerant:** R290 (CFC-free)
- **Special Features:** Adjustable humidity control, Digital display, Automatic humidity elimination, Water level indicator, Sleep mode, Continuous drainage, Removable tank, LED power indicator, Timer, Ionizer.




**Image 7:** Diagram illustrating the Aero-Dynamic Technology within the Avalla X-550, showing how air is accelerated through condensers for efficient moisture extraction.




**Image 8:** Infographic highlighting the energy efficiency of the Avalla X-550, comparing its running cost to a tumble dryer and emphasizing its use of CFC-free R290 gas.

## 9. Warranty and Customer Support

Avalla products are manufactured to the highest quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your purchase or visit the official Avalla website. Please have your model number (X550) and purchase date available when contacting support.


### Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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