De'Longhi DDSX220WF

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2-in-1 Purifier and Dehumidifier User Manual

Model: DDSX220WF

1. Introduction

Thank you for choosing the De'Longhi DDSX220WF 2-in-1 Purifier and Dehumidifier. This appliance is designed to improve your indoor air quality by effectively removing excess humidity and purifying the air. It features an intuitive LED display, multiple fan speeds, auto-ventilation, and convenient Wi-Fi connectivity for smart home integration. Key features include:

- Dual functionality: Air purification and dehumidification in one unit.
- Certified for asthma and allergy sufferers by Allergy Standards.
- Equipped with 4 filters: EPA, active carbon, anti-dust, and anti-allergen.
- Wi-Fi control via a dedicated app for iOS and Android devices.
- 21 liters/day dehumidification capacity with a 5-liter removable water tank, suitable for rooms up to 31 m².

2. Safety Information

Please read all safety warnings and instructions carefully before using this appliance to prevent injury or damage. Keep this manual for future reference.

- Always connect the appliance to a grounded power outlet.
- Do not operate the appliance with a damaged cord or plug.
- Do not block air inlets or outlets.
- Ensure the water tank is correctly inserted before operation.
- Do not immerse the appliance in water or other liquids.
- Keep out of reach of children.

3. Product Components

Familiarize yourself with the main parts of your De'Longhi DDSX220WF unit:



Figure 3.1: Front view of the De'Longhi DDSX220WF unit. This image shows the overall design of the appliance, highlighting its compact and modern appearance in blue.



Figure 3.2: Close-up of the top control panel with LED display. This image provides a detailed view of the user interface, including the digital display and various control buttons for operation.

- **Control Panel:** Located on the top, with LED display and touch controls.
- **Air Outlet:** Where purified and dehumidified air is released.
- **Air Inlet:** Located at the rear, where air is drawn in.

- **Water Tank:** Removable tank at the bottom for collecting condensed water.
- **Filters:** Multi-layer filtration system accessible from the side/rear.
- **Continuous Drainage Outlet:** Port for connecting a hose for continuous water drainage.
- **Casters:** Wheels at the base for easy mobility.

4. Setup

Follow these steps to set up your dehumidifier for first use:

1. **Unpacking:** Carefully remove the appliance from its packaging. Retain all packaging materials for future storage or transport.
2. **Placement:** Place the dehumidifier on a flat, stable surface. Ensure there is at least 20 cm (8 inches) of clear space around the air inlets and outlets for optimal airflow. Avoid placing it near heat sources or in direct sunlight.



Figure 4.1: The De'Longhi DDSX220WF unit positioned in a living room. This image demonstrates suitable placement for the appliance within a home environment, ensuring adequate space around it.

3. **Mobility:** The unit is equipped with casters for easy movement. Simply push the unit to your desired location.



Figure 4.2: A close-up view of the casters at the base of the De'Longhi DDSX220WF. These wheels allow for easy relocation of the unit within your home.

4. **Power Connection:** Plug the power cord into a suitable grounded electrical outlet. The appliance is now ready for operation.

5. Operating Instructions

The De'Longhi DDSX220WF offers various modes and settings for optimal performance.

5.1 Control Panel Overview

Refer to Figure 3.2 for the layout of the control panel. The LED display shows current humidity, temperature, and selected settings.

5.2 Operating Modes

- **Dehumidification Mode:** Reduces excess moisture in the air. Set your desired humidity level (e.g., 50-60% for comfort).
- **Purification Mode:** Activates the filtration system to clean the air without significant dehumidification.
- **Laundry Drying Mode:** Designed to quickly dry clothes indoors by continuously running the dehumidifier at a high fan speed.

5.3 Setting Humidity and Fan Speed

Use the dedicated buttons on the control panel to adjust the target humidity level and select from the available fan speeds (e.g., Low, Medium, High, Auto).

5.4 Timer Function

Set the timer to automatically turn the unit ON or OFF after a specified period.

5.5 Wi-Fi App Connection

Download the De'Longhi 'Ariadry' app from your device's app store (iOS/Android). Follow the in-app instructions to connect your dehumidifier to your home Wi-Fi network. This allows for remote control and monitoring of the unit.



Figure 5.1: A smartphone screen showing the De'Longhi Ariadry app interface. This image illustrates how users can control and monitor the dehumidifier remotely via the mobile application.

6. Water Drainage

The dehumidifier collects water in its internal tank. When the tank is full, the unit will automatically stop and indicate that the tank needs emptying.

6.1 Emptying the Water Tank

1. Gently pull out the water tank from the front of the unit.
2. Carefully empty the collected water into a sink or drain.
3. Slide the empty tank back into the unit until it clicks into place.

6.2 Continuous Drainage Setup

For continuous operation without needing to empty the tank, you can set up continuous drainage:

1. Locate the continuous drainage outlet at the rear of the unit.
2. Connect a suitable drainage hose (not included) to this outlet.
3. Ensure the hose is sloped downwards to allow gravity drainage into a floor drain or large container.



Figure 6.1: A hand connecting a drainage hose to the continuous drainage outlet at the back of the De'Longhi DDSX220WF. This illustrates the setup for uninterrupted water removal.

7. Maintenance

Regular maintenance ensures optimal performance and longevity of your appliance.

7.1 Filter Cleaning and Replacement

The DDSX220WF uses a multi-layer filter system. Clean the filters regularly (e.g., every 2 weeks or as indicated by the unit) and replace them when necessary.

1. Turn off and unplug the unit.
2. Open the filter cover (usually at the rear or side) and carefully remove the filters.



Figure 7.1: A hand demonstrating the removal of the air filter from the De'Longhi DDSX220WF. This image shows the access point for filter maintenance.

3. Clean the filters using a vacuum cleaner or by gently washing them with lukewarm water (for washable filters). Ensure they are completely dry before reinserting.
4. Replace filters if they are damaged or heavily soiled and cannot be cleaned effectively.

7.2 Water Tank Cleaning

Clean the water tank periodically to prevent mold and mildew growth. Use mild detergent and rinse thoroughly.

7.3 Exterior Cleaning

Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

8. Troubleshooting

If you encounter issues with your dehumidifier, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on	No power supply; Power cord not plugged in; Power outage.	Check power connection; Ensure outlet is functional; Restore power.

Problem	Possible Cause	Solution
No dehumidification	Water tank full; Air filter clogged; Room temperature too low; Humidity setting too high.	Empty water tank; Clean/replace filter; Operate in warmer conditions; Lower humidity setting.
Unit is noisy	Unit not on a level surface; Air filter clogged; Loose parts.	Place on a level surface; Clean/replace filter; Contact customer support if noise persists.
E1 error code	Humidity sensor malfunction or communication error.	Turn off the unit, unplug it for a few minutes, then plug it back in and restart. If the error persists, contact customer support.
Wi-Fi connection issues	Incorrect Wi-Fi password; Router too far; App issues.	Verify Wi-Fi password; Move unit closer to router; Restart app/phone; Consult app's troubleshooting guide.

9. Specifications

Technical specifications for the De'Longhi DDSX220WF:

Specification	Value
Brand	De'Longhi
Model Number	DDSX220WF
Color	Blue
Dimensions (L x W x H)	38.3 x 25.5 x 60 cm (15.1 x 10.0 x 23.6 inches)
Weight	13.5 Kilograms (29.7 lbs)
Water Tank Capacity	5 Liters
Dehumidification Capacity	21 Liters/day
Power	460 Watts
Material	Stainless Steel
Number of Speeds	5
Noise Level	44 dB
Recommended Room Size (Volume)	Up to 75 Cubic Meters

10. Warranty and Support

De'Longhi products are manufactured to the highest quality standards. For warranty information, product registration, or technical support, please refer to the warranty card included with your purchase or visit the official

De'Longhi website. Keep your proof of purchase for warranty claims.
For further assistance, you may contact De'Longhi customer service through their official channels.

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Example: How do I reset this device or fix this error?

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Answered questions about this manual

The air purification filter picture , does it stay on always control panel or should it be off new filter has been replaced

For the De'Longhi DDSX220WF, the filter indicator light (often referred to as the "air purification filter picture") is designed to alert you when maintenance is required. Once you have cleaned or replaced the filters,...

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