De'Longhi DDX50PE

De'Longhi DDX50PE 50-Pint Dehumidifier User Manual

Model: DDX50PE

1. Introduction

Thank you for choosing the De'Longhi DDX50PE 50-Pint Dehumidifier. This appliance is designed to effectively remove excess moisture from your indoor environment, improving air quality and comfort. With its built-in pump, 24-hour timer, and Energy Star 2.0 qualification, the DDX50PE offers efficient and convenient humidity control for spaces up to 700 sq. ft. Please read this manual thoroughly before operating your dehumidifier to ensure safe and optimal performance.

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 the dehumidifier with a damaged cord or plug.
- Ensure the appliance is placed on a stable, level surface.
- Do not block air inlets or outlets. Maintain adequate clearance around the unit.
- Unplug the dehumidifier before cleaning or performing any maintenance.
- Do not use the appliance near water or in excessively wet environments.
- Keep children and pets away from the operating unit.
- This appliance is equipped with an anti-frost setting to prevent ice build-up on the coils in low temperatures.

3. Product Overview

Familiarize yourself with the main components and control panel of your De'Longhi DDX50PE dehumidifier.



Figure 3.1: Overall View of the De'Longhi DDX50PE Dehumidifier. This image shows the dehumidifier from a front-side angle, highlighting its compact design and integrated handles for portability. The visible water level window is also apparent on the front.



Figure 3.2: Control Panel. A detailed view of the top-mounted LCD electronic controls, showing buttons for power, fan speed, timer, and humidity level adjustment. The digital display indicates current humidity and settings.

Main Components:

- **Control Panel:** LCD electronic controls for setting humidity, timer, and fan speed.
- **Air Inlet Grille:** Located on the back or sides, where air enters the unit.
- **Air Outlet:** Located on the top, where dry air is expelled.
- **Removable Water Tank:** Frontally located for easy access and emptying. Features a transparent water level window.
- **Continuous Drain Outlet:** For gravity drainage.
- **Built-in Pump Outlet:** For continuous drainage with the internal pump.
- **Casters:** For easy mobility.

4. Setup

4.1 Placement

For optimal performance, place the dehumidifier in a central location within the area you wish to dehumidify.

- Ensure there is at least 6-8 inches of space around the unit for proper air circulation.
- Do not place the unit directly against a wall or furniture.
- The DDX50PE is ideal for rooms 500 to 700 sq. ft. in total area.
- Avoid placing the unit near heat sources or in direct sunlight.



Figure 4.1: Dehumidifier Placement Example. This image illustrates the dehumidifier placed in an open living space, demonstrating appropriate clearance from walls and furniture for effective operation.

4.2 Power Connection

Plug the power cord into a grounded electrical outlet. Ensure the voltage matches the specifications of the unit.

4.3 Drainage Options

Your dehumidifier offers multiple options for water removal:

1. **Water Tank Collection:** Water collects in the removable water tank. When the tank is full, the unit will automatically shut off and an indicator light will illuminate. Empty the tank and reinsert it to resume operation. The transparent water level window allows you to monitor the collected water.
2. **Gravity Drainage:** For continuous, passive drainage, attach the included 3-ft gravity feed hose to the continuous drain outlet. Position the hose so water drains downwards into a floor drain or suitable container.
3. **Built-in Pump Drainage:** The patented true pints per day pump system allows for continuous discharge of moisture over longer distances. Connect the included hose to the pump outlet. The pump can discharge water up to 16 feet overhead, allowing drainage into a sink or out a window.

5. Operating Instructions

5.1 Power On/Off

- Press the **Power button** (*symbol: circle with vertical line*) on the control panel to turn the unit ON or OFF.

5.2 Setting Desired Humidity Level

- Use the **Humidity Adjustment buttons** (*symbols: + and -*) to select your ideal humidity level. The LCD display will show the current and target humidity.
- The unit will operate until the desired humidity level is reached, then cycle on and off to maintain it.

5.3 Fan Speed Selection

- Press the **Fan Speed button** (*symbol: fan icon*) to cycle between available fan speeds (e.g., Low, High). The selected speed will be indicated on the display.

5.4 24-Hour On/Off Timer

- Press the **Timer button** (*symbol: clock icon*) to set a delayed start or stop time for the dehumidifier, up to 24 hours.
- Use the humidity adjustment buttons (*+ and -*) to set the desired delay time.

5.5 Anti-Frost Setting

- The unit features an automatic anti-frost setting. If the coil temperature drops too low, the compressor will temporarily shut off to prevent ice formation, while the fan continues to run. This is normal operation and ensures efficient performance in cooler environments.

6. Maintenance

6.1 Emptying the Water Tank

- When the water tank is full, the unit will stop operating and an audible alert may sound.
- Carefully pull out the frontally located water tank.
- Empty the collected water.
- Slide the empty tank back into the unit until it clicks into place. The dehumidifier will resume operation.

6.2 Cleaning the Air Filter

A clean air filter is crucial for efficient operation. Clean the filter regularly, typically every two weeks or more often depending on usage and air quality.

1. Turn off and unplug the dehumidifier.
2. Locate and remove the air filter (usually behind the air inlet grille).
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting it. Do not use a dryer or direct heat.

6.3 General Cleaning

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use harsh chemicals, abrasives, or solvents.
- Ensure the unit is completely dry before plugging it back in.

7. Troubleshooting

Before contacting customer service, please refer to the following troubleshooting guide for common issues.

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; power cord unplugged; water tank full or not properly inserted.	Check power connection; ensure water tank is empty and correctly seated.
Unit is running but not collecting water.	Humidity level set too high; room temperature too low; air filter clogged.	Lower desired humidity setting; ensure room temperature is above 41°F (5°C); clean the air filter.
Unit is noisy.	Unit not level; air filter clogged; normal operating sounds.	Ensure unit is on a flat surface; clean air filter. Some fan and compressor noise is normal.
Water leaks from the unit.	Water tank not properly inserted; continuous drain hose kinked or blocked.	Reinsert water tank correctly; check and clear any obstructions in the drain hose.

8. Specifications

Feature	Detail
Model	DDX50PE
Brand	De'Longhi
Capacity	50 Pints/Day
Floor Area Coverage	Up to 700 Square Feet
Item Weight	18.1 kg
Colour	White
Special Features	Timer, Removable Tank, Built-in Pump, Anti-frost setting
Energy Rating	Energy Star 2.0 Qualified

9. Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product packaging or visit the official De'Longhi website.
If you require technical assistance or have questions not covered in this manual, please contact De'Longhi customer support. Contact information can typically be found on the manufacturer's website or on the product packaging.

10. Official Product Videos

No official product videos from the seller are available for embedding at this time. For additional visual guides or product demonstrations, please check the official De'Longhi website or their authorized channels.

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