

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [AirOrig](#) /

› [AirOrig 12L/Day Dehumidifier with Digital Humidity Display - Model OL12-BD023F User Manual](#)

AirOrig OL12-BD023F

AirOrig 12L/Day Dehumidifier User Manual

Model: OL12-BD023F

INTRODUCTION

Thank you for choosing the AirOrig 12L/Day Dehumidifier, Model OL12-BD023F. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new appliance. Please read it thoroughly before use and retain it for future reference.

This dehumidifier is designed to remove excess moisture from the air in your home, helping to prevent mold, mildew, and dampness, thereby improving air quality and comfort. It features a digital humidity display, automatic defrost, timer function, and a sleep mode for quiet operation.

SAFETY INSTRUCTIONS

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

- Ensure the power supply matches the voltage specified on the rating label.
- Do not operate the dehumidifier with a damaged cord or plug.
- Keep the appliance away from water and other liquids. Do not immerse it.
- Do not block air inlets or outlets. Maintain at least 20 cm (8 inches) clearance around the unit.
- Unplug the unit before cleaning or performing any maintenance.
- This appliance is for indoor use only.
- Do not allow children to play with the dehumidifier.
- If the unit is tilted, allow it to stand upright for at least 24 hours before plugging it in to allow the refrigerant to settle.

PRODUCT OVERVIEW

Components

The AirOrig dehumidifier consists of several key components:

- Air Inlet Grille (rear)
- Air Outlet (top)
- Control Panel with Digital Display
- Water Tank (removable, 2L capacity)
- Drainage Outlet (for continuous drainage)
- Mobile Wheels (for easy movement)
- Hidden Handle (for portability)
- Power Cord



Figure 1: The AirOrig 12L/Day Dehumidifier operating in a living room, illustrating its high-efficiency dehumidification and coverage area of 15-25m² with a 12L/day capacity.

Portability Features

The AirOrig dehumidifier is designed for easy movement and portability within your home.

Portable & Compact

With mobile wheels and hidden handle,
the dehumidifier is easy to move.



Figure 2: The dehumidifier features mobile wheels for easy relocation and a hidden handle for convenient lifting and carrying.

Control Panel

The top-mounted control panel allows for easy operation and monitoring of the dehumidifier's functions.

Smart & Easy-Control Touch Panel



Figure 3: Detailed view of the Smart & Easy-Control Touch Panel, showing buttons for Lock, Speed, Timer, Humidity Setting, Mode, and Power.

- **Power Button:** Turns the unit On/Off.
- **Mode Button:** Cycles through operating modes (e.g., Auto, Continuous, Sleep).
- **HUM SET Button:** Adjusts the desired humidity level.
- **Timer Button:** Sets the auto On/Off timer.
- **Speed Button:** Adjusts fan speed (High/Low).
- **Lock Button:** Locks the control panel to prevent accidental changes.

SETUP

1. **Unpacking:** Carefully remove the dehumidifier from its packaging. Retain packaging materials for future storage or transport.
2. **Placement:** Place the unit on a flat, stable surface in the desired location. Ensure there is at least 20 cm (8 inches) of clear space around all sides for proper airflow. Do not place it against a wall or near heat sources.
3. **Initial Standby:** If the unit was tilted during transport, allow it to stand upright for a minimum of 24 hours before plugging it in. This allows the refrigerant to stabilize.

4. **Power Connection:** Plug the power cord into a grounded electrical outlet.

5. **Drainage Option (Optional):**

The dehumidifier offers two drainage options:

- **Manual Drainage:** The unit will collect water in its 2-liter tank. When the tank is full, the unit will automatically shut off and an indicator light will illuminate. Empty the tank manually.
- **Continuous Drainage:** For continuous operation without manual emptying, connect a suitable drain hose (not included) to the continuous drainage outlet. Ensure the hose is sloped downwards to allow gravity drainage into a floor drain or larger container.



Figure 4: Illustration of the two drainage options: manual emptying of the 2L water tank and continuous drainage via a hose connection.

OPERATING INSTRUCTIONS

1. **Power On:** Press the **Power** button to turn on the dehumidifier. The digital display will show the current room humidity.
2. **Set Desired Humidity:** Press the **HUM SET** button repeatedly to select your desired humidity level (e.g., 40%, 50%, 60%). The unit will operate until the room humidity reaches this level, then cycle on/off to maintain it.
3. **Select Mode:** Press the **Mode** button to cycle through available operating modes:

- **Auto Mode:** The unit automatically adjusts fan speed and operation based on the set humidity.
- **Continuous Mode:** The unit runs continuously regardless of humidity level, ideal for very damp conditions or drying laundry.
- **Sleep Mode:** Reduces fan speed and dims display lights for quiet operation during sleep.



Figure 5: The dehumidifier in Sleep Mode, demonstrating its quiet operation (36dB) suitable for bedrooms, ensuring it does not disturb sleep.

4. **Set Timer:** Press the **Timer** button to set an auto-on or auto-off time (up to 24 hours).
5. **Adjust Fan Speed:** Press the **Speed** button to switch between high and low fan speeds.
6. **Control Panel Lock:** Press the **Lock** button to disable the control panel, preventing accidental changes. Press again to unlock.
7. **Humidity Indicator Lights:** The unit features intelligent humidity indicator lights that change color based on the current humidity level:
 - **Blue:** Humidity < 45% (Dry)
 - **Green:** 45% ≤ Humidity ≤ 65% (Comfortable)
 - **Red:** Humidity > 65% (Damp)

Intelligent Humidity Indicator Lights



Figure 6: Intelligent Humidity Indicator Lights display the current humidity level with color codes: Blue for $<45\%$, Green for $45\%-65\%$, and Red for $>65\%$.

- 8. Automatic Defrost:** The unit is equipped with an automatic defrost function that activates when frost builds up on the evaporator coils, ensuring efficient operation in cooler environments.

MAINTENANCE

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

1. Cleaning the Air Filter:

- The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.
- Turn off and unplug the unit.
- Remove the filter from the back or side of the unit.
- Wash the filter with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinstalling.
- Do not operate the dehumidifier without the filter.

2. Cleaning the Water Tank:

- Empty and clean the water tank regularly to prevent mold and mildew growth.

- Remove the tank, discard collected water, and wash the tank with mild detergent and water. Rinse thoroughly.
- Ensure the tank is properly reinserted for the unit to operate.

3. Cleaning the Exterior:

- Wipe the exterior of the unit with a soft, damp cloth.
- Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface.

4. Storage:

- If storing the unit for an extended period, ensure the water tank is empty and clean, and the filter is clean and dry.
- Wrap the power cord neatly.
- Store the unit upright in a cool, dry place, preferably in its original packaging.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply. Power cord not securely plugged in. Water tank full or not properly seated.	Check power outlet. Ensure power cord is firmly plugged in. Empty water tank and ensure it is correctly reinserted.
No water collected.	Room humidity is already low. Temperature is too low (below 5°C/41°F). Air filter is clogged. Continuous drainage hose is connected and working.	Increase desired humidity setting or wait for humidity to rise. The unit may not operate efficiently in very cold conditions. Clean the air filter. Check if water is draining continuously.
Unit is noisy.	Unit is not on a level surface. Air filter is clogged. Fan speed is set to high.	Place the unit on a flat, stable surface. Clean the air filter. Select a lower fan speed or Sleep Mode.
Frost on coils.	Operating in low temperatures.	The unit has an automatic defrost function. Allow it to complete the defrost cycle. Do not attempt to manually remove frost.
Dehumidifier runs continuously.	Set to Continuous Mode. Desired humidity level is very low or room humidity is very high.	Change mode to Auto. Adjust desired humidity to a higher, more realistic level.

SPECIFICATIONS

Brand	AirOrig
-------	---------

Model Number	OL12-BD023F
Dehumidification Capacity	12 Liters/day
Water Tank Volume	2 Liters
Power Consumption	196 Watts
Dimensions (L x W x H)	26.5 x 30.5 x 52 cm (10.4 x 12 x 20.5 inches)
Item Weight	10.74 Kilograms (23.68 lbs)
Recommended Floor Area	Up to 2000 sq ft (approx. 185 m ²)
Special Features	Automatic Defrost, Timer, Sleep Mode, Digital Humidity Display, Mobile Wheels, Hidden Handle
Operating Mode	Automatic

WARRANTY AND SUPPORT

AirOrig products are manufactured to high-quality standards. For warranty information and customer support, please refer to the warranty card included with your purchase or contact your retailer. Please have your model number (OL12-BD023F) and purchase date ready when contacting support.