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> [LUBAIR 52-Pint Dehumidifier User Manual](#)

LUBAIR PD12A

LUBAIR 52-Pint Dehumidifier User Manual

Model: PD12A

IMPORTANT SAFETY INSTRUCTIONS

Please read this manual carefully before operating your dehumidifier. Keep it for future reference.

- Always place the dehumidifier on a level, stable surface.
- Ensure the power supply matches the rating label on the unit.
- Do not operate the unit with a damaged cord or plug.
- Keep at least 8 inches (20 cm) clearance around the unit for proper airflow.
- Do not insert objects into the air inlet or outlet.
- Unplug the unit before cleaning or maintenance.
- 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.

PRODUCT OVERVIEW

The LUBAIR 52-Pint Dehumidifier is designed to efficiently remove moisture from your indoor environment, covering areas up to 4500 sq ft. It features intelligent humidity control, auto defrost, and flexible drainage options.

Key Components

- Control Panel
- Air Outlet
- Air Inlet (with washable filter)
- Water Tank
- Drain Hose Connection
- Power Cord
- Casters (for easy mobility)
- Integrated Handle



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Figure 1: Front view of the LUBAIR 52-Pint Dehumidifier, showing the water tank and control panel.



Figure 2: Dimensions of the LUBAIR 52-Pint Dehumidifier, highlighting its compact size.

SETUP

1. Unpacking

Carefully remove the dehumidifier from its packaging. Retain the packaging for future storage or transport.

2. Placement

Place the unit upright on a firm, level surface in the area where dehumidification is needed. Ensure there is at least 8 inches (20 cm) of space around all sides of the unit for proper air circulation.



Figure 3: Examples of suitable placement for the dehumidifier in different home environments like basements, bathrooms, living rooms, laundry rooms, and cloakrooms.

3. Drainage Options

Your LUBAIR dehumidifier offers two drainage methods:

- **Manual Drainage (Water Tank):** The unit collects water in its internal 0.66-gallon (2.5L) water tank. When the tank is full, the unit will automatically shut off and an indicator will alert you to empty it.
- **Continuous Drainage (Drain Hose):** For continuous operation without needing to empty the tank, connect the included 6.56 ft (2m) drain hose to the drainage port on the back of the unit. Route the hose to a suitable drain (e.g., floor drain, sink). Ensure the hose is sloped downwards to allow gravity drainage.

Two Drainage Modes



Continuous Drainage
6.56 Ft. long hose (included)



Manual Drainage
0.66 Gallon Water tank
auto shut-off when the
Water tank is Full



Figure 4: Illustration of the two drainage methods: manual water tank and continuous drainage via hose.



Suitable for Any Space in Your House



Basement



Bathroom



Living Room



Laundry Room



Cloakroom

Figure 5: Example of continuous drainage setup in a bathroom environment.

OPERATING INSTRUCTIONS

Control Panel Overview



Figure 6: Detailed view of the control panel, showing various buttons and the digital display.

- **POWER Button:** Turns the unit ON or OFF.
- **MODE Button:** Cycles through dehumidification modes: DEHU (Dehumidify), DRY (Clothes Drying), CONT (Continuous).
- **HUMI Button:** Adjusts the target humidity level (30%-80% RH).
- **TIMER Button:** Sets the auto-on or auto-off timer (1-24 hours).
- **SPEED Button:** Selects fan speed (Low/High).
- **LOCK Button:** Activates/deactivates the child lock function.
- **Display:** Shows current humidity, target humidity, or timer settings.

Operating Modes

- **DEHU Mode:** Standard dehumidification. The unit will operate until the set humidity level is reached, then cycle on/off to maintain it. Ideal for general room humidity control.
- **DRY Mode:** Designed for quickly drying clothes. The unit operates continuously at high fan speed.
- **CONT Mode:** Continuous dehumidification. The unit will run continuously regardless of the humidity level. Suitable for very damp environments like basements.

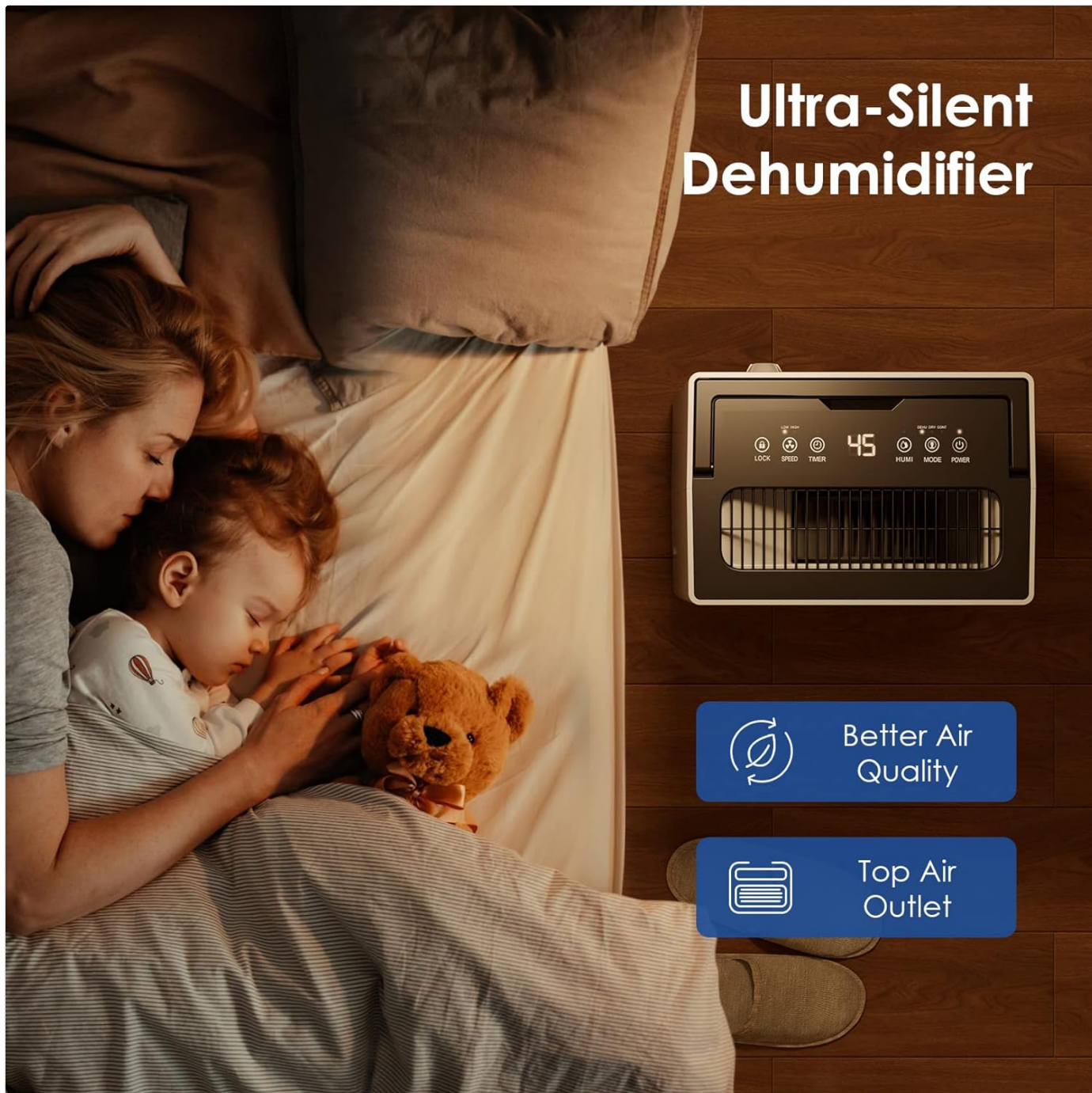


Figure 7: Visual representation of the three operating modes and their typical applications.

Setting Humidity

In DEHU mode, press the HUMI button to set your desired humidity level. The range is 30% to 80% Relative Humidity (RH) in 5% increments. The unit will automatically turn off when the set humidity is reached and restart when the humidity rises above the set level.

Timer Function

Press the **TIMER** button to set a delay for the unit to turn ON or OFF. Each press increases the timer by 1 hour, up to 24 hours. The timer will automatically cancel if the unit is turned off or if the timer setting is reset to 0.

Child Lock

Press and hold the **LOCK** button for 3 seconds to activate or deactivate the child lock. When activated, the control panel buttons will be unresponsive to prevent accidental changes.

Auto Defrost

The unit features an automatic defrost function. If frost builds up on the evaporator coils, the compressor will temporarily turn off, and the fan will continue to run to melt the frost. This is normal operation and ensures efficient performance in cooler environments.

Auto Restart

In case of a power outage, the unit will automatically restart with the previously set functions once power is restored.

MAINTENANCE

1. Emptying the Water Tank

When the water tank is full, the unit will stop operating and an indicator light will illuminate. Carefully pull out the water tank, empty the collected water, and reinsert the tank firmly until it clicks into place. Ensure the tank is properly seated for the unit to resume operation.

2. Cleaning the Air Filter

A dirty filter reduces efficiency and airflow. Clean the air filter every two weeks or more frequently depending on usage and air quality.

1. Turn off the dehumidifier and unplug it from the power outlet.
2. Remove the filter from the back of the unit.
3. Wash the filter with warm, soapy water. Rinse thoroughly.
4. Allow the filter to air dry completely before reinserting it. Do not expose to direct sunlight or high heat.
5. Reinsert the dry filter into the unit.



Figure 8: Steps for removing and cleaning the dehumidifier's air filter.

3. Storage

If the unit will not be used for an extended period:

- Empty the water tank and ensure it is completely dry.
- Clean the air filter.
- Unplug the power cord and coil it neatly.
- Cover the unit with a plastic bag or original packaging to protect it from dust.
- Store the unit upright in a cool, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	No power; Water tank full or not properly seated; Child lock activated.	Check power connection; Empty and re-seat water tank; Deactivate child lock.
Unit runs but does not dehumidify.	Air filter clogged; Room temperature too low; Unit size too small for area; Doors/windows open.	Clean air filter; Ensure room temperature is above 41°F (5°C); Consider a larger unit for the space; Close doors and windows.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Obstruction in fan.	Place on a level surface; Clean air filter; Check for and remove any obstructions.
Water leaks from the unit.	Water tank not properly seated; Drain hose connection loose or clogged.	Re-seat water tank; Check drain hose connection and clear any blockages.

SPECIFICATIONS

Feature	Detail
Brand	LUBAIR
Model	PD12A
Dehumidification Capacity	52 Pints per Day (95°F, 90% RH)
Coverage Area	Up to 4500 Sq.ft
Water Tank Capacity	0.66 Gallons (2.5 Liters)
Drain Hose Length	6.56 Feet (2 Meters)
Product Dimensions (D x W x H)	8.66"D x 11.73"W x 19.09"H
Item Weight	24 Pounds
Wattage	230 watts

Feature	Detail
Noise Level	<42dB
Special Features	Automatic Defrost, Automatic Moisture Removal, Automatic Restart, Automatic Shutoff, Ergonomic Handle, Overheat Protection, Portable, Removable Tank, Washable Filter, Child Lock, 24-Hour Timer

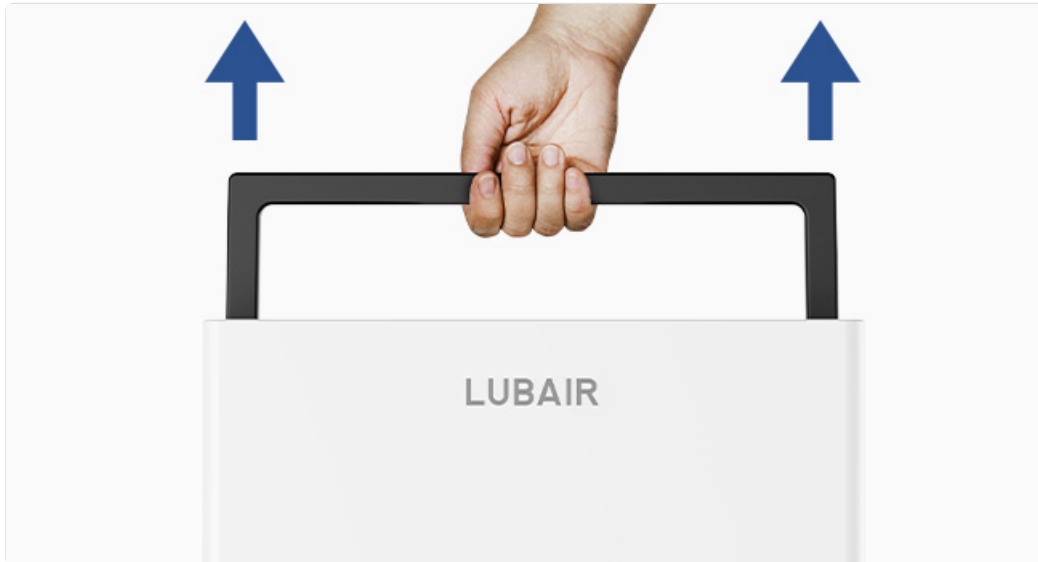


Figure 9: Summary table of key specifications and features for the LUBAIR 52-Pint Dehumidifier.

WARRANTY AND SUPPORT

LUBAIR dehumidifiers are backed by a **5-year limited support** and a **30-Days Money Back guarantee**.

For any requirements or issues, please contact LUBAIR customer service. They commit to providing prompt assistance within 12 hours.

Your satisfaction is their priority, and they are committed to delivering the best service possible.

For more information or to contact support, please refer to the official LUBAIR website or the contact information provided with your purchase.