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› Britsou PD08D 50 Pint Dehumidifier User Manual

Britsou PD08D

Britsou PD08D 50 Pint Dehumidifier User Manual

Model: PD08D

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using this dehumidifier. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Always connect the unit to a properly grounded electrical outlet.
- Do not operate the dehumidifier with a damaged power cord or plug.
- Ensure the unit is placed on a level, stable surface to prevent water spillage.
- Do not block the air inlet or outlet. Maintain at least 20 cm (8 inches) clearance around the unit.
- Do not insert objects into the air vents.
- Unplug the unit before cleaning or performing any 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.
- Do not use the dehumidifier in areas where flammable liquids or gases are stored.

2. PRODUCT OVERVIEW

The Britsou PD08D 50 Pint Dehumidifier is designed to remove excess moisture from the air, creating a more comfortable and healthy environment. It features intelligent humidity control, multiple operating modes, and convenient drainage options.



Figure 2.1: Front view of the Britsou PD08D Dehumidifier, showing the digital display and control panel.

Key Features:

- **50 Pint Capacity:** Removes up to 50 pints (23.6 liters) of moisture per day.
- **Coverage Area:** Suitable for areas up to 3500 sq. ft. (Note: Some specifications may indicate 200 sq. ft. for specific test conditions; refer to product packaging for precise rating).
- **Intelligent Humidity Control:** Automatically maintains desired humidity levels.
- **Quiet Operation:** Designed for low noise levels, approximately 40dB.
- **Multiple Operating Modes:** DEHU (Dehumidify), DRY (Clothes Drying), CONT (Continuous).
- **Drainage Options:** Manual water tank or continuous drain hose.
- **24-Hour Timer:** Program on/off times for convenience.
- **Child Lock:** Prevents accidental changes to settings.
- **Auto Defrost:** Automatically removes frost from coils in low temperatures.
- **Removable & Re-cleanable Air Filter:** Easy maintenance for optimal performance.

3. SETUP

3.1 Unpacking

- Carefully remove the dehumidifier from its packaging.
- Remove all packing materials, including any tape or protective films.
- Inspect the unit for any shipping damage. If damaged, do not operate and contact customer support.

3.2 Placement

- Place the dehumidifier on a firm, level surface that can support its weight when the water tank is full.
- Ensure there is at least 20 cm (8 inches) of space on all sides of the unit for proper air circulation.
- Avoid placing the unit near heat sources, in direct sunlight, or in areas exposed to freezing temperatures.
- The unit is equipped with casters for easy movement.

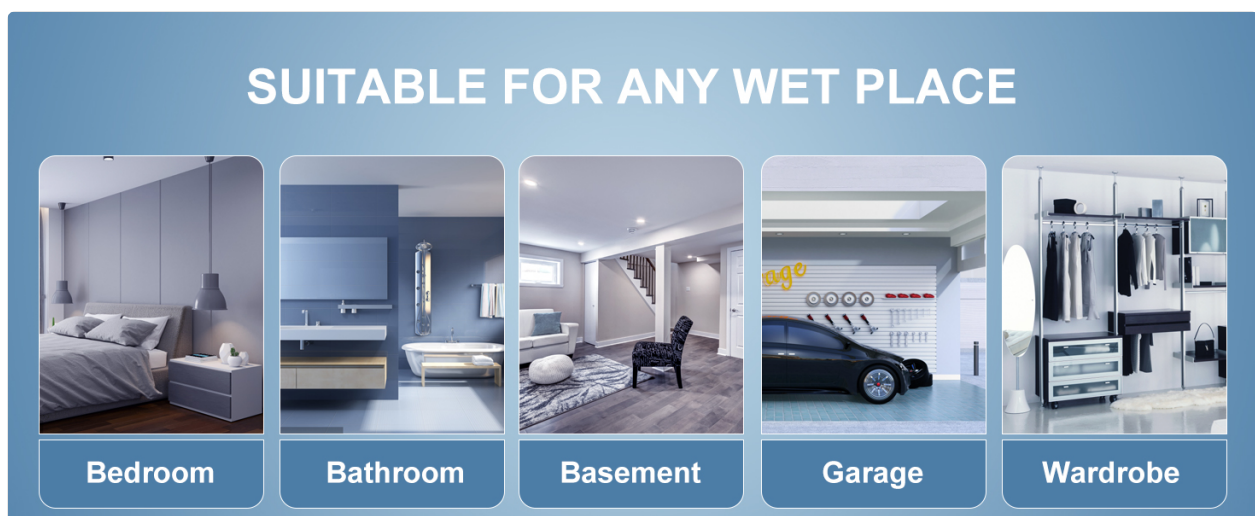


Figure 3.1: The dehumidifier is suitable for various damp environments such as bedrooms, bathrooms, basements, garages, and wardrobes.

3.3 Drainage Options

The dehumidifier offers two methods for water removal:

3.3.1 Manual Drainage (Water Tank)

- The unit will collect water in its internal water tank.
- When the tank is full, the unit will automatically shut off and an indicator light will illuminate.
- Carefully remove the water tank, empty it, and reinsert it firmly into the unit.

3.3.2 Continuous Drainage (Drain Hose)

- For continuous operation without emptying the tank, attach the included drain hose to the continuous drain port on the back of the unit.
- Ensure the hose is sloped downwards to allow gravity to drain the water to a suitable floor drain or large container.
- Do not allow the end of the hose to be submerged in water, as this can cause backflow.



Figure 3.2: Illustration of the dehumidifier's 0.66 gallon water tank for manual drainage and the 3.28ft drain hose for continuous drainage.

4. OPERATION

4.1 Control Panel

The control panel is located on the top of the unit and features a digital display and various buttons for controlling the dehumidifier's functions.

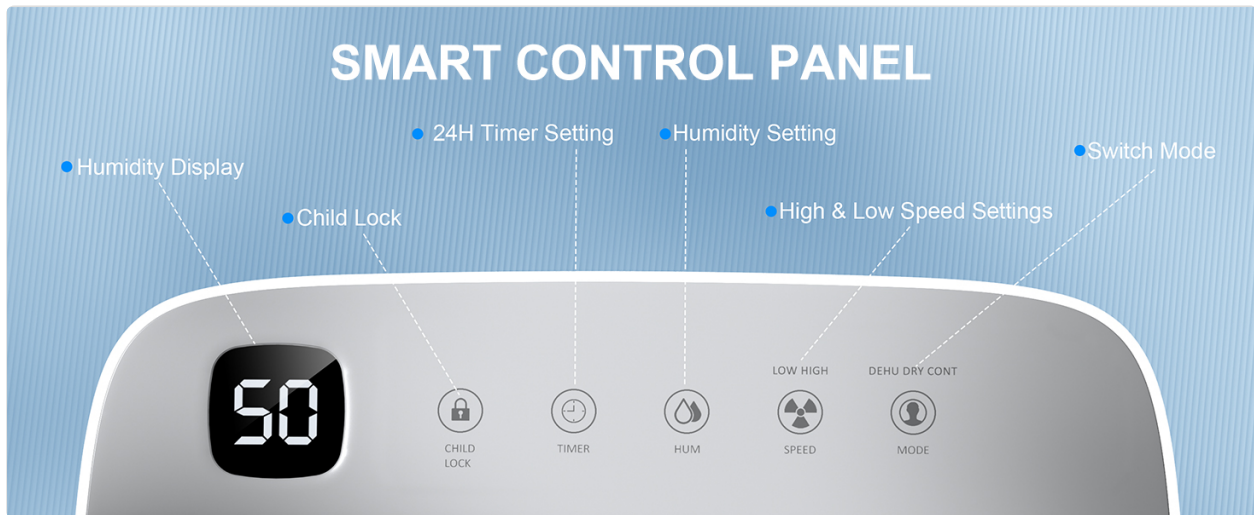


Figure 4.1: Smart Control Panel layout with Humidity Display, Child Lock, 24H Timer Setting, Humidity Setting, High & Low Speed Settings, and Switch Mode.

- **Power Button ():** Turns the unit on or off.
- **Child Lock Button ():** Press and hold for 3 seconds to activate/deactivate the child lock.
- **Timer Button ():** Sets the 1-24 hour auto-on or auto-off timer.
- **Humidity Button (HUM):** Adjusts the desired humidity level (30% - 80% RH).
- **Speed Button (SPEED):** Selects fan speed (Low/High).
- **Mode Button (MODE):** Cycles through operating modes (DEHU, DRY, CONT).

4.2 Operating Modes

- **DEHU (Dehumidify Mode):** The unit will operate to reach and maintain the set humidity level. It will cycle on and off as needed.
- **DRY (Clothes Drying Mode):** The unit operates continuously at high fan speed to quickly remove moisture, ideal for drying clothes.
- **CONT (Continuous Mode):** The unit runs continuously regardless of the humidity level. This mode is typically used with continuous drainage.

3 WORKING MODES

Switch at any time according to different needs



Figure 4.2: The three working modes: DEHU for automatic humidity control, DRY for quick clothes drying, and CONT for 24-hour continuous dehumidification.

4.3 Setting Desired Humidity

- In DEHU mode, press the **Humidity (HUM)** button to adjust the desired humidity level between 30% and 80% Relative Humidity (RH) in 5% increments.
- The unit will operate until the room's humidity reaches the set level, then it will cycle off. It will restart when the humidity rises above the set level.



Figure 4.3: The dehumidifier helps maintain healthy humidity levels, transforming a wet, moldy, odorous environment (80% RH) into a dry, fresh, clean one (50% RH).

4.4 Timer Function

- Press the **Timer** () button to set an auto-on or auto-off time from 1 to 24 hours.
- When the unit is off, set the timer for auto-on. When the unit is on, set the timer for auto-off.



Figure 4.4: The 1-24 hour timing function allows for preset operation, providing convenience and peace of mind.

4.5 Child Lock

- To activate the child lock, press and hold the **Child Lock ()** button for 3 seconds. The lock indicator will illuminate.
- When activated, all other buttons on the control panel will be disabled.
- To deactivate, press and hold the **Child Lock ()** button again for 3 seconds.



Figure 4.5: The safety child lock feature prevents unintended operation by locking the control panel.

5. MAINTENANCE

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

5.1 Emptying the Water Tank

- When the water tank is full, the unit will stop operating and the 'Full' indicator will light up.
- Gently pull out the water tank from the front of the unit.
- Empty the collected water.
- Slide the empty tank back into the unit until it clicks into place. The unit will resume operation.

5.2 Cleaning the Air Filter

The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.

- Unplug the dehumidifier from the power outlet.
- Remove the air filter from the back of the unit.
- Wash the filter with clean water (not hotter than 40°C / 104°F) and a mild detergent.
- Rinse thoroughly and allow it to air dry completely before reinserting.
- Do not operate the dehumidifier without the filter installed.



Figure 5.1: The removable and re-cleanable air filter helps maintain the dehumidifier's efficiency.

5.3 Cleaning the Unit Exterior

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

5.4 Storage

- If storing the unit for an extended period, ensure the water tank is empty and clean.
- Clean the air filter.
- Wrap the power cord neatly.
- Store the unit upright in a cool, dry place, away from direct sunlight and extreme temperatures.

6. 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; Power cord not plugged in; Water tank full or not properly inserted; Child lock activated.	Check power supply; Ensure cord is firmly plugged in; Empty and reinsert water tank; Deactivate child lock.
No water collected / Not dehumidifying	Humidity setting too high; Room temperature too low; Air filter clogged; Unit in fan-only mode; Coils frozen.	Lower desired humidity setting; Ensure room temperature is above 5°C (41°F); Clean air filter; Select DEHU or CONT mode; Allow unit to defrost (Auto Defrost function should handle this).
Water tank full indicator on, but tank is not full	Water tank not properly seated; Float switch malfunction.	Remove and firmly reinsert the water tank; Check for obstructions around the float switch.
Unit is noisy	Unit not on a level surface; Air filter clogged; Fan obstruction.	Place unit on a level surface; Clean air filter; Check for any foreign objects in the fan area.

Problem	Possible Cause	Solution
Frost on coils	Low room temperature; Unit operating continuously in very cold conditions.	The unit has an Auto Defrost function. If frost persists, increase room temperature or turn off the unit to allow defrosting.

7. SPECIFICATIONS

Feature	Detail
Model Number	PD08D
Brand	Britsou
Dehumidification Capacity	50 Pints / Day
Coverage Area	Up to 3500 Sq. Ft. (Note: Some product specifications may list 200 Sq. Ft. for specific test conditions. Refer to product packaging for precise rating.)
Power/Wattage	200 Watts
Product Dimensions	35.56 x 25.4 x 53.34 cm (14 x 10 x 21 inches)
Item Weight	14.54 kg (32 lbs)
Water Tank Capacity	0.66 Gallons (2.5 Liters)
Special Features	Continuous Draining, Intelligent Humidity Control, Auto Shut Off, Child Lock, 24-Hour Timer, Auto Defrost, Removable & Re-cleanable Air Filter



Figure 7.1: Dimensions of the Britsou PD08D Dehumidifier.

8. WARRANTY AND SUPPORT

Britsou products are designed for reliability and performance. This dehumidifier typically comes with a **2-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

8.1 Warranty Claims

If you encounter any issues with your dehumidifier that you believe are covered under warranty, please contact Britsou customer support. You may be required to provide proof of purchase and a description of the problem.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Britsou customer support via email. Refer to your product packaging or the official Britsou website for the most current contact information.

