User Manual

Dehumidifier
DH-60PD16LA

DEXP

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Dear Customer,

Thank you for choosing our products.
We are pleased to offer you appliances and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the device, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

Intended Use

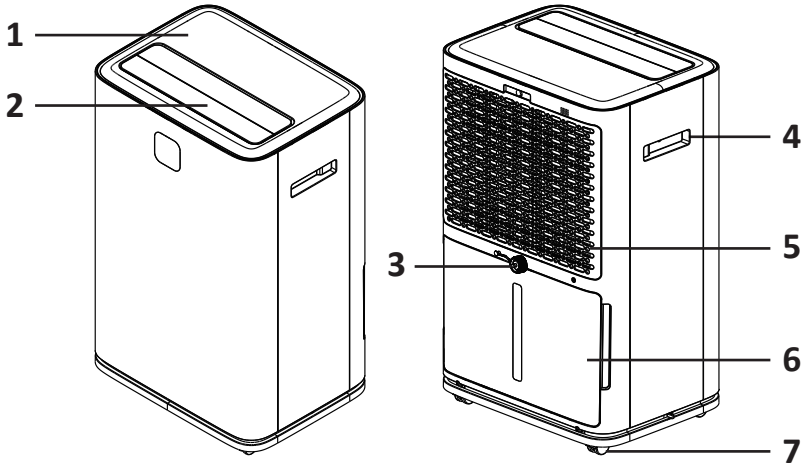
Dehumidifier — a device designed to create a comfortable indoor climate by removing excess moisture from the air.

Safety Precautions

- Before connecting the device to the power supply, ensure that the voltage of your household electrical network matches its technical specifications. Plug the device only into a grounded outlet.
- Do not install the device in the following locations:
  - near heating appliances or sources of open flame;
  - in areas where it may be exposed to water splashes, oil, or chemicals;
  - in rooms where leakage of flammable gases may occur;
  - in areas exposed to direct sunlight;
  - near bathtubs, shower rooms, or swimming pools;
  - in greenhouses.
- Place the device only on flat, stable surfaces.
- Unplug the device from the power source when not in use, before cleaning, if a malfunction occurs, and during thunderstorms. Always turn off the device by pressing the button on the control panel before disconnecting the power cord from the electrical outlet.
- Do not use the device if the power cord, plug, or other parts are damaged. Contact an authorized service center for repair or cord replacement.
- Do not disassemble the device yourself to avoid electric shock, and do not attempt to modify its construction. This device contains no user-serviceable parts.
- To ensure reliable operation of the compressor, do not tilt the device. The device must always remain in an upright position, including during transportation. If the device has been transported horizontally, leave it in an upright position for at least two hours before turning it on.
- Never insert fingers or other foreign objects into the air intake or air outlet vents.
- Do not pull or move the device by the cord. Do not bend or wrap the cord around the device. Also ensure the power cord does not bend over the edge of the countertop or come into contact with hot surfaces or sharp edges.
- Do not allow water to come into contact with the control panel or internal parts of the device. If water enters the device, turn it off, disconnect it from the power source, and contact an authorized service center.
- Do not sit on or place any objects on the device.

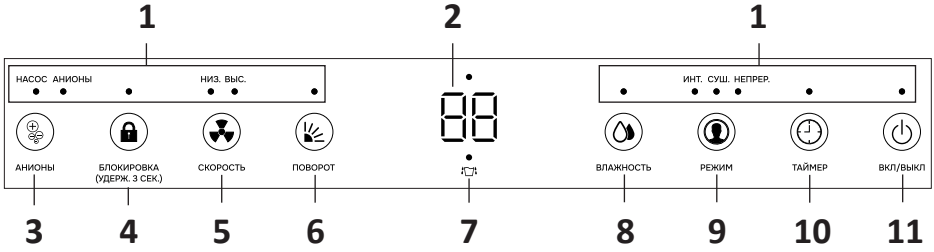
- Operate the device only in rooms with an area corresponding to the recommended coverage area specified in the dehumidifier's technical specifications. Do not use the device outdoors.
- The device is designed to operate at ambient temperatures between +5 °C and +35 °C.
- If the appliance is not used for an extended period, disconnect it from the power supply and drain all water.
- When using the drain hose, ensure that it is properly connected to the device. An improper connection may cause water leakage.
- Do not drink or use for any other purpose the water drained from the device.
- In the event of a refrigerant leak, immediately open all doors and windows to ventilate the area, disconnect the power source, leave the room, and contact a qualified service technician.
- This device is not intended for use by children and individuals with reduced physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to play with the appliance.
- This device is not intended for commercial use.
- The refrigerant (R290) used in this device is a highly flammable gas. During transportation and installation, ensure that the device is not damaged.

Device Diagram



1. Control Panel.
2. Air outlet vents.
3. Drain hose cap.
4. Carrying handle.
5. Air inlet vents.
6. Water tank.
7. Casters.

Control Panel



1. Button indicators.
2. Display.
3. Anion button.
4. Panel lock button.
5. Fan speed button.
6. Swing button.
7. Full tank indicator.
8. Humidity button.
9. Mode button.
10. Timer button.
11. Power button.

Installation

- Place the dehumidifier on a flat, stable surface capable of supporting its weight when the water tank is full. The device is intended for indoor use only. Do not use it outdoors.
- Maintain a clearance of at least 20 cm between the device and surrounding objects.
- When using the laundry drying function, keep clothes at least 40 cm away from the air inlet vents to prevent water from dripping into the device and causing damage.
- Dehumidification will be most effective if the unit is placed in the center of the room. However, if moisture tends to accumulate in a specific area, place the dehumidifier there first. Once the humidity level stabilizes, move it to the center of the room.
- Do not place the dehumidifier near heat sources (furnaces, heaters, radiators).
- Ensure that the air inlet and outlet vents are not blocked.
- For maximum efficiency, the dehumidifier should be operated in an enclosed room. Keep all doors, windows and any other external openings closed while the device is running.

Note: The unit is equipped with casters for easy mobility. Do not roll the unit on carpets, and do not move it when the water tank is full, as it may tip over and cause water to spill.

Operating Instructions

Device Control

Power On/Off

Press the « ⏻ », button to turn on the device — the indicator light above the button will illuminate. To turn off the device, press the button again.

Mode Selection

This device has 3 operating modes. Turn on the device, then press the « ⏺ » button to cycle through the modes in the following order:

- Smart Mode: Humidity level and fan speed can be set.
- Laundry Mode: Humidity level and fan speed can be set.
- Continuous Mode: Humidity level cannot be set, but fan speed can be adjusted.

Timer Setting

- When the device is in standby mode, pressing the « 🕘 » button allows you to set the auto-start timer. When the device is running, pressing this button sets the auto-shutoff timer.
- Press the « 🕘 », to adjust the time setting from 1 to 24 hours in 1-hour increments. Press and hold the button for faster adjustment.
- When the timer is active, the indicator light above the button will be illuminated. Press the « 🕘 », to check the remaining time — the display will alternate between the remaining time and the current room humidity level.
- Setting the value to «00» will cancel the auto-start/auto-shutoff timer.

Humidity Setting

When the device is running, press the « 💧 », button to set the humidity level the device shall maintain in the room. The selected value will appear on the display and start flashing. While the digits are flashing, press the button repeatedly to adjust the humidity level from 30% to 80% RH in 5% increments. After setting the desired value, wait for 5 seconds. The setting will be saved automatically, and the display will return to showing the current room humidity.

Notes

- The humidity level can only be set in Smart Mode and Laundry Mode.
- If humidity level is set to 30% RH, the device will operate in continuous dehumidification mode.

Fan Speed Adjustment

Two fan speeds are available: Low and High. Press the « 🌀 », button to switch between them — the indicator light for the current speed will illuminate.

Swing Adjustment

Press the « » button to select one of the louver swing modes: continuous swing or fixed position. When the device is turned off, the louvers will automatically stop swinging and return to their original position.

Anion Function

Anions (negatively charged ions) are particles that purify the air by removing dust and bacteria. They create a feeling of freshness and help neutralize odors and harmful substances.

- To activate the anion function, press the « » button — the corresponding indicator will illuminate.
- To deactivate the anion function, press the « » button again — the indicator will turn off.

Memory Function

If the device is operating and power is suddenly interrupted (for example, due to a power outage), it will automatically resume operation with the previously set settings once power is restored.

Panel Lock

- When the device is operating or in standby mode, press and hold the « » button for 3 seconds to lock the control panel — the corresponding indicator will illuminate. When locked, all buttons except the « », button will be disabled.
- To unlock the control panel, press and hold the « » button again for 3 seconds.

Full Tank Indicator

When the water tank becomes full, the device will stop operating and the « » indicator on the panel will begin to flash. Empty the tank — the indicator will turn off, and the device can be restarted.

Note: Pump drainage can be used even when the water tank is full.

Auto Defrost

If frost accumulates on the device, it will automatically enter defrost mode. In this mode, the fan will run at an increased speed, and the compressor will stop operating.

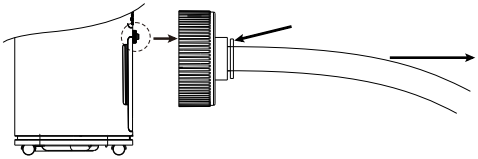
Drainage

When the dehumidifier's water tank is full, the device will automatically shut off and the « » indicator on the control panel will begin to flash.
Water can be drained in two main ways: manually, by removing the water tank from the device, or by using the drain hose (included with the device).

Hose Drainage

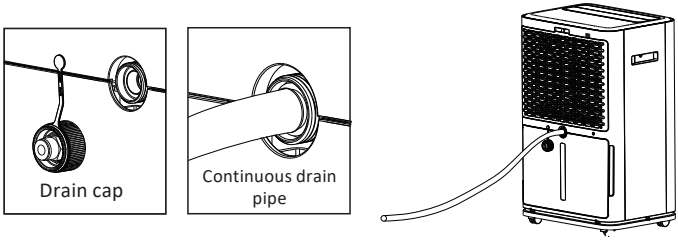
Pump Drainage

1. Insert one end of the pump drain hose (included) into the drain cap opening to a depth of at least 15–18 mm, and connect the other end to a sewer line or another water collection container.
2. Turn on the dehumidifier by pressing the « ⏻ » button.
3. Press and hold the « 💧 » button for 3 seconds to start the pump — the corresponding indicator will illuminate. When the water level in the tank rises to a certain level, the pump will start pumping and draining water.
4. To turn the pump off, press and hold the « 💧 » button again for 3 seconds — the corresponding indicator will turn off.
5. If you need to drain all the water from the tank at once (for example, before storage), press and hold the « 💧 » and « ☢ » buttons simultaneously for 3 seconds.
   Note: Each pump-out cycle runs for 12 minutes. Disconnect the drain hose only after all water has been completely drained.
6. While holding the cap locking ring with one hand, pull out the drain hose. After the next start of the dehumidifier, water will accumulate in the tank until it is full, after which the tank will need to be emptied manually.



Continuous Drainage

1. Turn off the unit. Remove the cap from the drain port and attach the drain hose (included). Connect the other end of the hose to a drain or another water collection container.



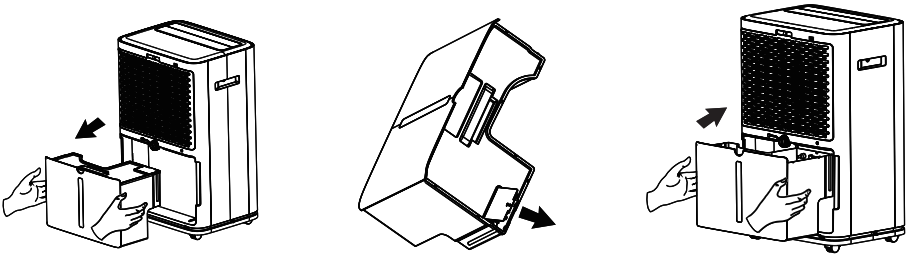
2. Press the « ⏻ » button, to turn on the device. Water will drain through the hose as it accumulates in the tank.

Caution: If you are draining water into a container, monitor the water level yourself to avoid overflow.

Proper Hose Routing

- Ensure the drain hose is not kinked, twisted, or bent, as this restricts water flow.
- When draining into a container, ensure that the container and the hose are positioned below the drain port. However, the hose must not dip below the level of the container, as this will impede water flow. Do not submerge the end of the hose in water.
- When connected correctly, the hose runs downward from the drain port to a floor drain or a suitable container. The vertical distance from the drain port to the drainage point must be at least 10 cm. It is not recommended to extend the hose, as this may cause leakage.

Manual Drainage



1. Grasp the water tank on both sides and carefully pull it out. Be careful not to spill the water.
2. Open the lid and pour out the water by tilting the tank.

   Note: Do not remove the float from the tank. Without it, the sensor cannot properly detect the water level, which may cause overflow.
3. Insert the empty tank back into the device.

Caution: If the tank is not properly installed, the indicator light will also flash and the safety lock will activate. Ensure that the tank is securely in place.

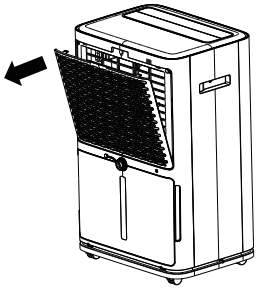
Cleaning and Maintenance

Caution: Always unplug the device from the power source before cleaning or performing any maintenance.

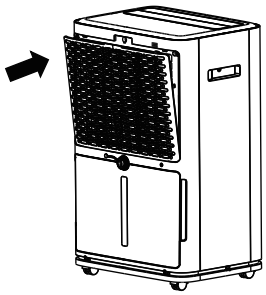
- Wipe the exterior of the device with a soft, slightly damp cloth. Do not use detergents, harsh chemicals, or abrasive cleaners. After cleaning, wipe the device dry with a clean, soft cloth.
- Do not run water over the device, as this may result in electric shock or damage to the device.
- The air inlet and outlet vents can easily accumulate dust; clean them regularly using a soft brush or a vacuum cleaner. If you have pets, wipe the grilles periodically to prevent pet hair from entering the device.
- Regularly clean the water tank to prevent the growth of mold, mildew and bacteria. Do not wash the water tank in a dishwasher.
- Clean the tank using only warm or cold water. Do not use detergents, harsh chemicals, or abrasive sponges.

Cleaning the Grille

1. Remove the grille by grasping its upper edge and pulling it towards you.



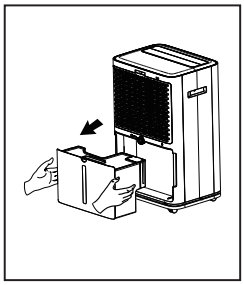
2. Clean the grille: use a vacuum cleaner to gently remove dust from the surface. If the grille is heavily soiled, wipe it with warm water and a mild detergent, and dry it thoroughly.
3. Reinstall the grille.

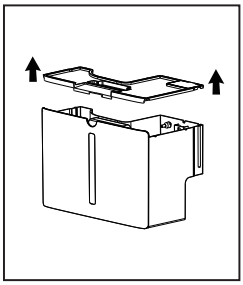


Cleaning the Filter

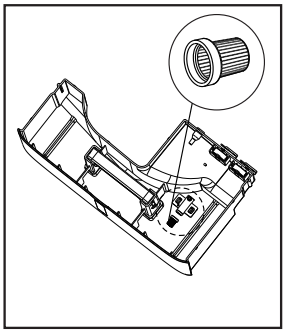
The dehumidifier's filter is essential for effectively capturing airborne pollutants, such as dust, hair, pet dander, mold spores, and pollen. Clean the filter regularly to remove accumulated dirt.

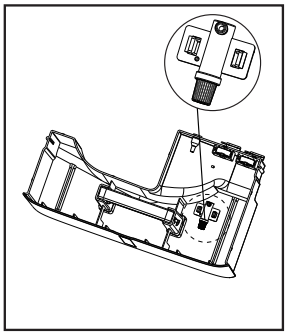
1. Pull out the water tank and open its lid.



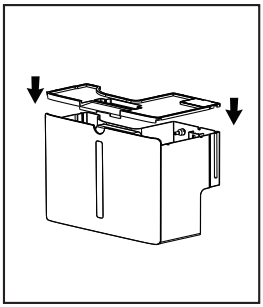


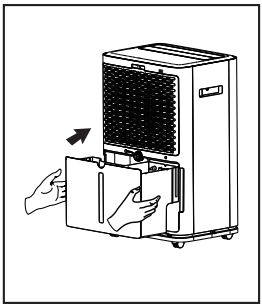
2. Remove the filter. Rinse it under running water and wipe it with a soft cloth and a non-abrasive detergent until all dirt is completely removed. Reinstall the filter into the water tank.





3. Close the tank lid and reinsert the tank into its original position.





Troubleshooting Guide

Issue	Possible Cause	Possible Solution
Device does not turn on	No power supply	Ensure the device is plugged into the outlet and the outlet is working properly
	Water tank full indicator is flashing	The water tank is full. Empty it (see «Drainage» section)
	Room temperature exceeds 35°C / is below 5°C	This device is not designed for operation under extreme temperature conditions
	Room humidity is below the set value	Set the humidity value to 30% RH
	Frequent start protection has activated	Wait approximately 3 minutes
Low dehumidification efficiency	Poor air circulation	Ensure there is at least 20 cm of clearance around the device
	Ambient humidity is too low	This is normal
Device makes loud noise during operation	The device is placed on an uneven surface	Place the device on a flat, stable surface
	Air inlet vents are blocked	Clean the air inlet grille (see «Cleaning the Grille» subsection)
	Filter is installed incorrectly	Make sure the filter is properly installed
Display constantly shows humidity value «25» (which does not match the actual value)	Humidity sensor malfunction	The device may continue to operate with the humidity set to 30% RH
		Contact an authorized service center for sensor replacement
Display constantly shows humidity value «99» (which does not match the actual value)	Water has gotten on the humidity sensor surface	The device may continue to operate with the humidity set to 30% RH
	Humidity sensor malfunction	Contact an authorized service center for sensor replacement

Caution: If the solutions described above do not help, contact an authorized service center.

Specifications

- Model: DH-60PD16LA.
- Trademark: DEXP.
- Power supply: 220–240 V ~ 50 Hz.
- Power consumption: 740 W.
- Rated current: 3,28 A.
- Water collection tank capacity: 7,5 L.
- Dehumidificaton capacity: 60 L/day.
- Recommended room area: 70 m².
- Refrigerant amount: R290 (200 g).
- Noise level: 53 dB.
- Maximum allowable suction pressure: 1,5 MPa.
- Maximum allowable discharge pressure: 4,0 MPa.
- Cord type: Y.
- IP code: IP21.
- Protection class: I.
- Dimensions (H × W × D): 39,6 × 62,5 × 29,6 cm.
- Net weight: 21 kg.
- Scope of application: domestic.

Package Contents

- Device.
- Drain hose.
- Pump drain hose.
- User manual.

Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal

- This device requires no assembly or mounting.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported in a dry environment.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- The refrigerant contained in this device must be disposed of in a specific manner. Information regarding the disposal of the used refrigerant can be obtained from local municipal authorities.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

Warranty Period: 24 months
Service Life: 60 months

For the up-to-date list of authorized service centers, please visit: https://www.dns-shop.ru/service-center/

Additonal Information

Manufacturer: GUANGZHOU DONGAO ELECTRICAL CO., LTD.
B-C Axis, Floor 4, Plant Building A, No. 17 Hejing South Road, Liwan District, Guangzhou City, Guangdong Province, China.

Made in China.

The product meets the requirements of the CU TR (EAEU).

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.



Production date (mm.yyyy): _____V.1

