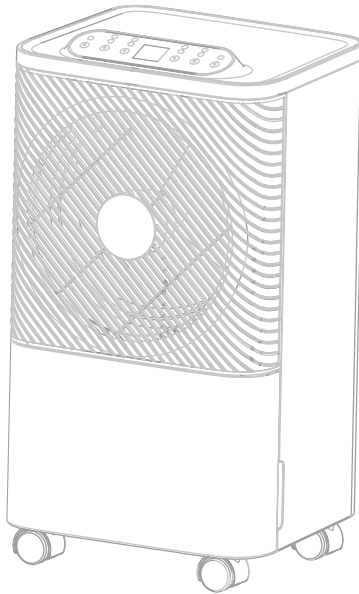




INSTRUCTION MANUAL

Delux Digital Dehumidifier



Introduction

Models covered by this instruction sheet:- DXDH10 Delux Digital Dehumidifier



IMPORTANT Read these instructions fully before using the appliance.
Retain these instructions for future reference.

NOTE The appliance may only be used for the purpose described. It is not for outdoor use!

The rating of this product (as marked on the product identification plate) is based on specific loading tests. Normal use or the use of other recommended attachments may draw significantly less power.

SAFETY INSTRUCTIONS

Please read these instructions before operating the appliance.

- Use only the voltage specified on the rating plate of the heater.
- Do not cover or restrict airflow to the inlet or exhaust grilles in any manner as the appliance may overheat and become a fire risk.
- Do not cover grilles, block entry or exhaust of airflow by placing appliance against any surface. Keep all objects at least 0.2 metres from the appliance.
- Do not insert or allow foreign object or metal utensils to enter any vent opening. This may cause an electric shock, fire or damage to the appliance.
- Do not clean the unit by spraying it or immersing it in water.
- Never connect the unit to an electrical outlet using an extension cord. If a power outlet is not available, one should be installed by a qualified electrician.
- Do not use the appliance for any purpose other than its intended use.
- Do not tilt the unit while in use. The unit is design to work only in vertical position.
- This dehumidifier must always be stored and transported upright, otherwise irreparable damage may be caused to the compressor; if in doubt we suggest waiting at least 24 hours before starting the unit.
- Once the unit has been switched off allow 5 minutes before restarting to prevent damage to the compressor.
- Never use the plug as a switch to start or turn off the dehumidifier. Use the power button located on the control panel.
- Always place the unit on a dry and stable surface.
- The appliance should not be installed in laundry or wet rooms where the humidity is higher than 85% RH
- Do not use the appliance to dry clothes.
- Do not operate any appliance with a damaged cord, plug or after the appliance malfunctions or has been dropped or damaged in any manner.
- Return to a qualified electrical professional for examination, electrical or mechanical adjustment, service or repair.

- Do not place the appliance close to a radiant heat source.
- Do not operate in areas where gasoline, paint or other flammable liquids are used or stored.
- Do not operate appliance with wet hands.
- Before moving the appliance the water tank should be emptied.
- When carrying the unit, it should be kept upright and sufficiently supported from its base.
- R290 refrigerant gas complies with European environmental directives.
- R290 has a low GWP (Global Warming Potential) of 3.
- The unit contains about 50g of R290 refrigerant gas.
- Do not use or store the appliance in an unventilated space with an area smaller than 4m² per unit.
- If the appliance is installed, used or stored in an unventilated room, the room must be such as to prevent stagnation of possible leaks of refrigerant gas as there could be a danger of fire or explosion should the refrigerant come into contact with electric heaters, stoves or other sources of ignition.
- Refrigerant gas may be odourless.
- Do not use the product and contact the retailer for advice, if damage has occurred to the unit which may have compromised the refrigerant system.
- Any repairs or maintenance must only be carried out on the unit by a suitably qualified engineer. Before opening and servicing the unit the authorized engineer must be in possession of a copy of the manufacturer's service manual and must follow the safety information contained within it to ensure all hazards are minimized.
- The refrigerant system should not be perforated or punctured.
- Avoid mishandling the dehumidifier. Dropping, throwing the unit can cause damage to its internals and increases the risks of operating it.
- Do not store or use gasoline, petrol, paint, solvents or other flammable vapours or liquids in the vicinity of this dehumidifier.
- This dehumidifier must not be used in spaces where there is a high concentration of gases, solvent or other volatile organic compounds; in very dusty environments; in any domestic, commercial or industrial environment where the air composition is flammable.
- Do not run cord under carpeting, throw rugs or runners etc. Arrange cord away from traffic areas so that it will not be tripped over.
- Do not twist, kink or wrap the cord around the appliance, as this may cause the insulation to weaken and split. Always ensure that all cord has been removed from any cord storage area.
- 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. Children should be supervised to ensure that they do not play with the appliance.
- Do not use this appliance with another programmer, timer or any other device that switches the heater on automatically.
- Electrical installation must be carried out by a qualified professional in accordance with the latest edition of the IEE wiring regulations.

- Use this appliance only as described in this manual. Any other use is not recommended by the manufacturer and may cause fire, electric shock or injury.

INSTALLATION

Remove any water from within the water tank before starting the unit. In order to save energy do not open windows or doors while the unit is running. Place the unit on a hard / flat surface. On first use run the unit continuously for 24 hrs.

TO REDUCE NOISE LEVELS:

Place the unit on carpet/soft flooring to reduce any vibrations while the unit is running.

The unit uses compressor technology to extract water from the environment. Compressor dehumidifiers are ideal for normal domestic or office environments which are heated during the winter months and maintain a temperature above 12-15°C.

Your dehumidifier is lightweight and easy to move. It is designed to extract unwanted humidity while saving money due to its power saving logic. The unit features an intelligent humidistat where the desired relative humidity can be adjusted in increments of 5% between 35 and 80% ensuring your room is not dried too much and power is not wasted.

POSITIONING THE DEHUMIDIFIER

A badly positioned dehumidifier will have little effect. When positioning the unit, please ensure circulation of air is not restricted around the unit.

Allow at least 20cm space around the unit. This unit is designed only for indoor residential or small office applications.

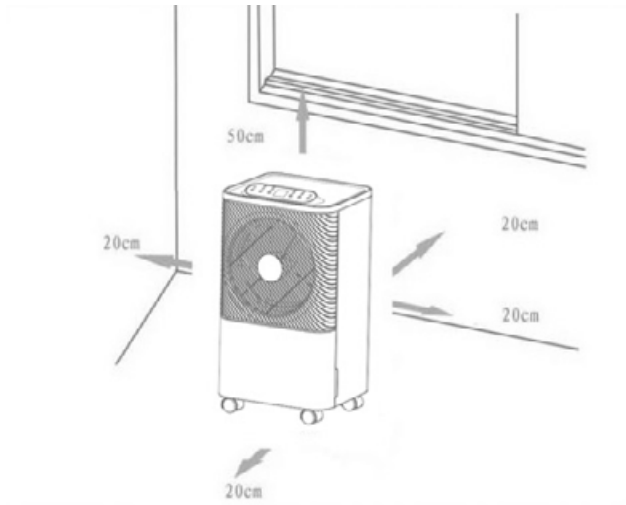
Use in an enclosed area for maximum efficiency. Close all doors & windows to create an effective operating environment. Do not use outdoors.

The unit will begin to protect your space from the harmful effects of excessive moisture as soon as it is turned on. Excess moisture is dispersed throughout your home. For this reason, the unit should be positioned in a central and clear location so that it can draw this moist air towards it. A warm hallway or landing is an excellent position for the unit. If possible, leave interior doors ajar to allow air circulation.

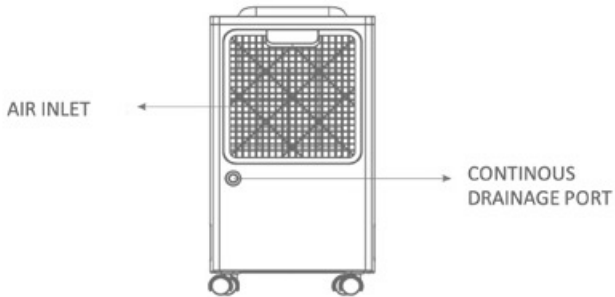
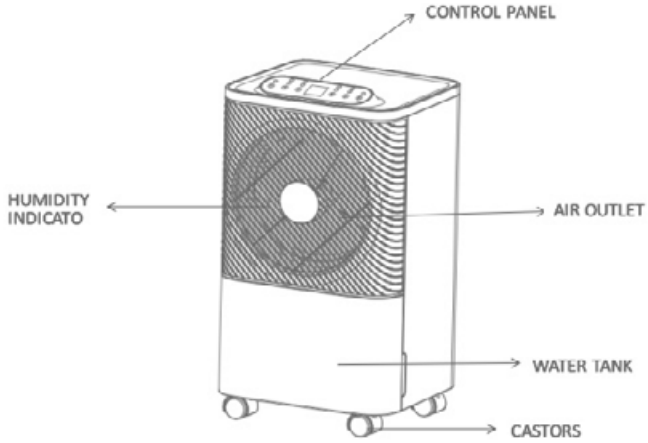
Alternatively, if you have a serious problem in one area you can begin by positioning the dehumidifier there before moving it to a more central location. For the most effective use, run the unit with external doors and windows kept closed. Please note the unit should not be placed directly against a radiator or other heat source.

Before moving the unit, the water tank should be emptied. When carrying the unit, it should be kept upright and sufficiently supported from its base.

When positioning the unit, ensure that it is placed clear of any obstacle that may limit the air movement. Place the dehumidifier on a flat dry surface.

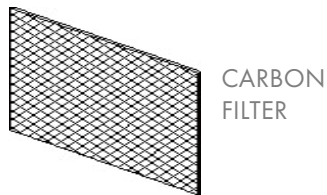


DRAWING



FILTERS

To fit the filter, remove the filter frame from the air inlet, and place it flush within the air inlet.



CONTROL PANEL



POWER

Turn the appliance on/off

MODE

Select the operating mode of the unit between Laundry and Auto. The fan will operate continuously to monitor the humidity.



AUTO MODE: The unit will start dehumidifying when the humidity increases to 5% above the desired humidity and will stop when the humidity drops to 5% below the desired humidity. The default desired humidity is 55% RH

LAUNDRY MODE: The unit will dehumidify continuously unless the water tank is full or the unit is going through its defrost cycle. This is ideal for drying clothes.



TARGET HUMIDITY

During Auto Mode press to adjust the desired humidity of the room. This can be changed between 35% and 80% in 5% increments. The unit will initially default to 55% RH.



FAN SPEED

Press to change between HIGH and LOW fan speeds.

HUMIDITY INDICATOR

When the appliance is started, the indicator light will turn on automatically. The indicator light colour will change according to the humidity.



RED: High humidity $RH \geq 70\%$

ORANGE: Above ideal humidity $70\% > RH \geq 60\%$

GREEN: Ideal humidity $RH < 60\%$

Press the HUMIDITY INDICATOR button to turn the humidity display on or off.

NOTE: It can take around 2 minutes after the humidity has changed for the colour indicator to change, for example, if the humidity drops to 55%, it may take 2 minutes for the indicator to change to green.

TIMER



Press the TIMER button to program the timer. When the timer is activated the "TIMER" light will be illuminated. Before programming the timer, ensure the timer function has not been activated (the light must be off). The following timer programs are available.

DELAYED POWER-OFF FUNCTION: While the appliance is running with the desired settings, repeatedly press the TIMER button to set in how many hours time you require the unit to stop (0~24 hours).

DISPLAY



Shows the desired humidity when the TARGET HUMIDITY button is pressed
Shows the timer duration when the TIMER button is pressed

NOTES

- If a permanent drainage pipe is fitted the unit will not stop operating. Setting the desired humidity to around 35% is good for laundry mode, a quick drying boost, or in emergencies. It is not recommended for long normal operation in a domestic or office environment.
- To allow more moisture in the air, set a higher desired humidity (e.g. 60-70%).
- We recommend setting the desired humidity to 50-55%. This is great for domestic operation and dry storage
- Setting the humidity to 60% is great for personal comfort and applications where 50% RH is considered too dry
- Setting the humidity to 70% is ideal for unoccupied properties or where an economical run is needed without the need to reduce the humidity further.

OTHER FEATURES AND INDICATORS

TANK FULL INDICATION

When the water tank is full, removed or incorrectly inserted the unit will stop dehumidifying, E2 will display and the unit will bleep. Empty the tank and reinsert it correctly to resume operation.

AUTO DEFROST

When frost builds up on the evaporator coils, the compressor will cycle off and the unit will go in to defrost mode. Following completion of the defrost mode, the unit will return to the previously operating settings.

- When the unit is running in a room with a temperature between 0 and 12 it will enter defrost mode for 8 minutes roughly every 30minutes.
- When the unit is running in a room with a temperature between 12 and 16 it will enter defrost mode for 5 minutes roughly every 60minutes.
- When the unit is running in a room with a temperature between 16 and 20 it will enter defrost mode for 5 minutes roughly every 90minutes.

AUTO MODE

- When the humidity of the room is 5% lower than the desired humidity the compressor will turn off automatically but the fan will continue to operate to ensure that the air within the room is not stale. The unit will use only a minimal amount of energy in fan mode.

- When the humidity of the room is 5% higher than the desired humidity the compressor will restart after a 3 minutes delay to protect the compressor.

POWER

After the unit has stopped, to protect the compressor it is not recommended to resume operation for at least 5 minutes. Operation can resume after this period lapses. When the unit is restarted there is a 3 minutes delay before compressor will start.

WATER DRAINAGE

When the water tank is full, the unit will stop automatically. When this happens the unit will display E2 on the control panel.

NOTE: Only empty the water tank when it is full or before moving or storing the unit.

There are two ways to dispense collected water.

USE THE TANK

When the tank is full, the unit will automatically stop running, and E2 will display on the control panel.

Slowly pull out the tank. Empty the water tank and reinsert it into the dehumidifier. The tank must be in place and securely seated for the dehumidifier to operate again. The dehumidifier will re-start when the tank is restored in its correct position.

NOTES: When you remove the water tank, do not touch sensors or any parts which are situated behind tank. Doing so may damage the product. Be sure to push the tank gently all the way into the unit. Banging the bucket against anything or failing to push it in securely into place may cause the unit not to operate.

Do not remove any parts from the water tank or tank enclosure. The water full sensor will no longer be able to detect the water level correctly and water may leak from the water tank.

CONTINUOUS DRAINAGE

Water can be automatically plumbed in or drained into a sink, a larger recipient or through the wall into an outside drain by attaching a pipe to the unit (9 mm internal diameter). A 1.5m pipe is supplied, although longer pipes can be used. Insert the pipe into the drain outlet at the back of the unit.

Make sure the connection between pipe and the drain outlet is tight and does not leak. Then direct the pipe to a suitable drainage point. This unit uses gravity to dispose of water hence the drain should be lower than the water outlet on the unit. Put the tank back. Be sure to run the water pipe downward and let the water to flow out smoothly. Do not kink or bend the pipe.

The permanent drain can be used in conjunction with an external water pump (e.g. when draining from a cellar) to lift the water upwards.

CARE AND MAINTENANCE

Always shut off the unit and unplug from the mains before cleaning or performing any maintenance. When it is not in use for long periods it is advisable to remove the plug from the power socket. Do not use chemical solvents (such as benzene, alcohol or gasoline) as they may cause irreversible damage to the unit.

CLEAN THE GRILLE AND CASE

Use water and a mild detergent to clean the washable filter frame. Do not use bleach or abrasives. Do not splash water directly onto the main unit. Doing so may cause an electric shock and can lead to the insulation to deteriorate, or cause the unit to rust. The air intake and outlet grilles get soiled easily, so use a vacuum attachment or soft brush to clean. Wipe the dehumidifier body with a soft damp cloth or kitchen towel.

Remove the filter frame. If the optional carbon filters are fitted, remove them from the frame and Hoover gently approximately every 2-3 weeks.

If the mesh filter is dirty Hoover it, if it is heavily soiled wash it with warm soapy water and dry thoroughly before reinserting it in the unit.

When filter cleaning is finished and filters are dry place them back into the unit.

NOTE: While the carbon and HEPA filters is optional, never run the unit without the filter frame correctly inserted.

CLEAN THE WATER TANK

Every few weeks, clean the tank to prevent growth of mould, mildew and bacteria. Partially fill the tank with clean water and add a little mild detergent. Swish it around and then empty the tank and rinse.

NOTE: Do not use a dishwasher to clean the tank. After cleaning and drying, the tank must be reinserted securely into dehumidifier in order to restart operation.

BEFORE STORING THE UNIT

1. Run the unit for at least 30 minutes with the desired humidity set to max, this will allow the unit to internally dry.
2. After 30 minutes, empty and clean the water tank, ensuring it is fully dry before reinserting into the unit.
3. Clean the unit and the filters as per cleaning procedure above.
4. Coil the power cord on the special cord storage rest at the back of the unit
5. Cover the unit and keep it in a dry place.

FREQUENTLY ASKED QUESTIONS

Why doesn't the dehumidifier seem to extract much water if the temperature is low?

This is a compressor dehumidifier which works best in temperatures above 15°C.

If the temperature is low and the air is dryer than the setting on the humidistat the unit will not extract water.

Why doesn't the unit work / or stops suddenly?

The water tank may be full or displaced. To rectify: empty the tank and carefully place the tank back in the unit. Also the unit may be running in dehumidifying mode with a low room temperature. Please check if the room temperature is lower than 5°C. If so, the unit will stop working while in dehumidifying mode. (unit may be defrosting).

The ambient operating range is between 5°C and 35°C with a relative humidity ranging from 35% to 80%.

For maximum efficiency use the unit between 15°C and 32°C.

Sometimes cold and/or hot air comes out from the air outlet grill, why?

When the unit is in dehumidifying mode it absorbs humid air from the room and freezes it to reduce the humidity. During the cold cycle there should be cold air coming out of the unit.

During the hot cycle hot dry air should be coming out of the outlet grill.

TROUBLESHOOTING

Issue	Cause	Solution
Hot or cold air being produced	Normal Operation	When the unit is in dehumidifying mode it absorbs humid air from room and freezes it to reduce the humidity. During the cold cycle there should be cold air coming out of the unit. During the defrost cycle hot dry air should be coming out of the outlet grill.
Unit does not operate	Is the plug properly inserted in the socket?	Insert the plug into the socket and turn the switch on.
	Is E2 displayed on the control panel	Tank full, float displaced or tank not properly inserted. Empty tank, check float and make sure tank is properly inserted in unit.
Dehumidifier does not extract water	Is the unit set to a humidity level lower than the one in the room?	Set the humidity level on the humidistat bellow current humidity reading.
	Is the temperature too low for water extraction to be efficient?	Increase temperature in the room or reposition the unit.
	Is any intake grill or discharge blocked? Is the unit too close to walls.	Remove obstructions and re-start the unit. Ensure a distance of at least 20cm between the unit & walls
Airflow seems weak	Is filter dirty or clogged?	Please service the filters regularly as per user manual.
Unit is noisy during operation	Is the unit on an uneven surface?	Please place on flat horizontal surface.
	Is filter clogged?	Please service the filters regularly as per user manual.
E2 Error Code	Water tank is full	Tank full, float displaced or tank not properly inserted. Empty tank, check float and make sure tank is properly inserted in unit.

Any other malfunctions will need to be reported to dexpro service centre. Do not attempt unauthorised repairs as these may invalidate the warranty.

TECHNICAL DATA

Model	DXDH10
Voltage	220-240V 50Hz
Dehumidifying capacity	10L / day (at 30 C / 80%RH)
Fan Speeds	2
Power Consumption	240W
Running Amps	1.3 Amps
Tank Capacity	2.4 litres
Desired Humidity Range	35 – 80%
IP Rating	IPX1
High / Low Pressure	3.2/0.7MPa
Filters	Carbon (Optional)
Dimensions mm (WxDxH)	260x220x480(mm)
Weight (Kgs)	9
Refrigerant	R290, 50 grams
GWP	3

WARRANTY

1. This product is guaranteed for a period of 2 years from the date of purchase against faulty components and manufacturing defects.
2. This warranty does not cover wear and tear, or misuse and abuse. Transportation, freight cost and labour costs are excluded.
3. Before taking any action in the event of a fault unit, contact our customer service team who will assist you. The products serial number and proof of purchase must be provided.

In the event of a faulty product, deXpro will replace faulty parts or at its sole discretion replace the product.

INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2002/96/E.



At the end of its working life this equipment must not be disposed of as household waste. It must be taken to a local authority waste collection centre or to a dealer providing this service. Disposing of electrical and electronic equipment separately enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the product is marked with a crossed out dustbin.



