

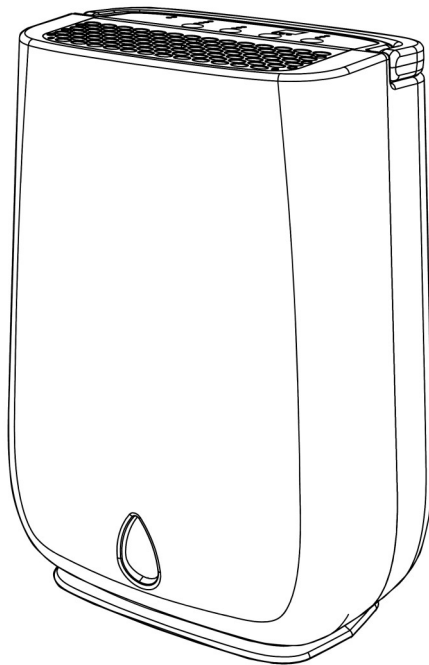
ecoair[®]

DD3 Classic MK2

DD-100017

DESICCANT DEHUMIDIFIER

USER MANUAL



Please read instructions before use
Keep for future reference

Visit ecoair.org to register your product
or terms and conditions

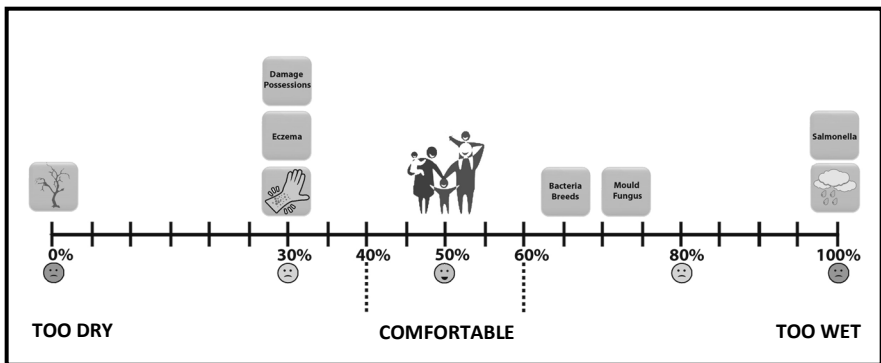
WELCOME

Thank you and congratulations for choosing an EcoAir dehumidifier to help you improve the air quality within your environment. Inside you will find many helpful tips on how to use and maintain your dehumidifier efficiently. Just a little preventative care can save you money and prolong the life of your dehumidifier.

The purpose of the dehumidifier is to remove the excess moisture in the air by detecting the humidity level in the room. By keeping humidity within recommended levels, a dehumidifier combats household damp, mould and mildew. Dehumidifiers can help to reduce the symptoms of asthma, allergies, and other respiratory health conditions. They can also be used to help dry laundry quicker and control moisture-based damage (such as the aftermath of flooding, leaks or rising damp) to valuable belongings and furniture.

HUMIDITY GUIDE

There will always be water vapour in the air. The water vapour (or commonly known as moisture) in the air is measured in Relative Humidity (RH) %. RH is the ratio of the actual amount of water vapour in the air to the amount it could hold when saturated expressed as a percentage. Too much or too little moisture in our homes can be unhealthy and uncomfortable. The optimum humidity level is between 40% and 60% (RH) where we feel most comfortable.



Low humidity

Low humidity indoors causes excess drying which can trigger skin irritations such as eczema, chapped skin and dry nose. It can also damage possessions, such as wooden furniture, musical instruments and artwork by drying it out too much.

High humidity

High humidity indoors causes damp and condensation. The damp left by condensation can damage plaster, wall paper, furniture, vehicles, timber windows, doors and clothes. It can be harmful to our health when bacteria thrives, causing mould and fungus.

Maintaining safe levels of humidity

It is important to maintain a consistent humidity range to preserve furniture, paintings, door and window frames. High humidity causes swelling, corrosion, softening of glues and paint. Low humidity causes shrinking, cracking, warping of wood surfaces and gaps in joints, doors and windows. Frequent changes in humidity levels can accelerate damages to property and belongings.

Condensation

The warmer the air, the more moisture the air can hold than colder air. So, when the air inside the house becomes colder, the moisture contents in the air becomes saturated, and gets heavier resulting in moisture concentration on the coldest parts of the house particularly on the windows, bathroom mirrors and walls. This is condensation, caused by a sudden increase in humidity, cooking, showers, drying clothes, inadequate ventilation and poor thermal insulation.

Condensation does not disappear instantly even with the dehumidifier on. Where excessive condensation appears for example, on your windows, you may want to open your windows to expel the excess humidity for several minutes. It will take a while for the condensation to generally increase the humidity in the room. Once the humidity level in the room around the dehumidifier is increased above the level you have set on the dehumidifier, it will then begin the dehumidification process.

INDEX

Important Safety Instructions	1
BS Plug Wiring	2
The Appliance and Accessories	3
Important Safeguards	4
Installation	5
Setup Continuous Drainage	6
Control Panel	7
Operation	8 - 9
Emptying the Water Tank	10
Cleaning, Maintenance and Storing the appliance	11
Troubleshooting	12

IMPORTANT SAFETY INSTRUCTIONS

WARNING!

This dehumidifier is intended for use in domestic households and similar working and residential environments and is not intended for outdoor use. It must be used only as a domestic appliance. EcoAir cannot be held liable for damage resulting from incorrect or improper use or operation

- Do not alter or modify the appliance's characteristics in any way. Should repairs be necessary, contact EcoAir's Authorised Service Centre. Self-servicing or unauthorised servicing can be dangerous.
- The appliance must be installed in accordance with the relevant national legislation.
- The 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 the use of the appliance by a person responsible for their safety.
- Children and pets should be supervised to ensure they do not play with the appliance.
- Do not use the appliance if the power cable, cord is damaged. It must be replaced by an EcoAir's Authorised Service Centre.
- The appliance must always be placed in an upright position on an even level surface to avoid any damage, during use or transportation and when put into storage.
- The appliance must be plugged into a grounded 3-prong outlet and ensure that the voltage matches the rated specifications. If in doubt, check with a qualified technician.
- Do not use with extension cables or multi sockets. Do not pull or place strain on the power cord when moving appliance.
- Always unplug the appliance before cleaning or maintenance or when not in use.
- The appliance must not be placed or used where the atmosphere may contain combustible gasses, oil or sulphur or solvent, or near heat sources (such as heaters or in server rooms) or excessive dust.
- Do not place or rest any objects on the appliance and do not cover while in use. Always observe the minimum room size for storing and operating the appliance.
- Allow a minimum of 40 cm clearance around the appliance. Do not place any objects in close proximity to the appliance.
- Filter must be cleaned every 2 weeks to avoid dust building up internally causing overheating and malfunction.
- To protect against electric shocks, do not immerse or spray the appliance or any of its parts in water.
- Ensure the air inlet and outlet are not blocked or covered when in use.
- Do not insert fingers or any objects into the air inlet or outlet openings.
- Do not operate or store the appliance under direct sunlight.
- Always switch the power before unplugging from the socket.
- Do not leave the appliance running or plugged in over a long period of time unattended. Leaving unattended electrical appliances running is unsafe.
- Always make sure your hands are dry when operating the appliance.
- Only operate the appliance within the specified operating temperature range.
- Do not run power cord under carpeting, or cover with rugs or runners. Arrange the cord away from areas where it may become a trip hazard.
- This appliance must not be used outdoor or wet areas such as bathrooms.
- Do not use the Laundry Mode function over a long period of time or unattended. When drying laundry, do not place laundry on the appliance. Always ensure the laundry is placed a safe distance from the dehumidifier at least 40cm.
- Always clean the filter and cover the dehumidifier with a dust sheet when storing the dehumidifier.

BS PLUG WIRING

Should it be necessary to change the plug, please note the wires in the mains lead are colour coded as follows:

BLUE - NEUTRAL

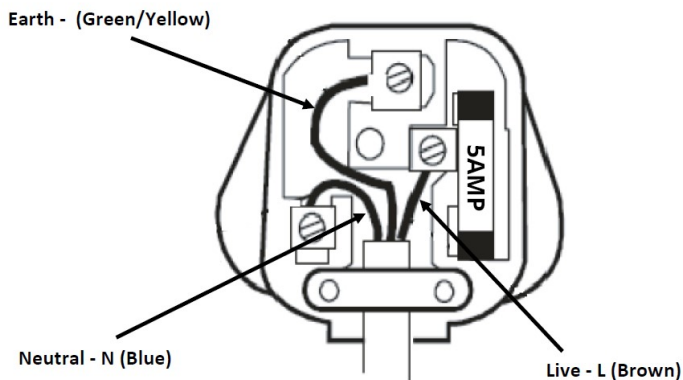
BROWN – LIVE

GREEN AND YELLOW - EARTH

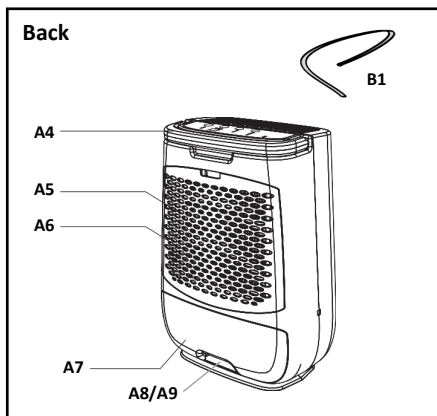
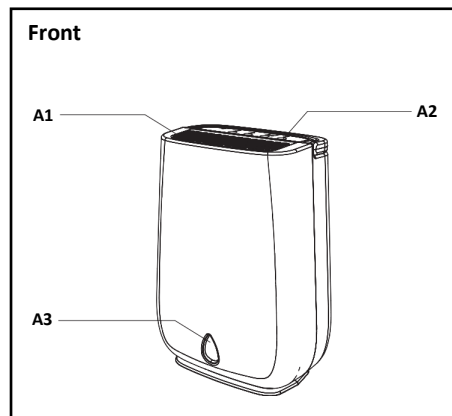
In the event that the colours of the wires in the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

1. The BLUE wire is NEUTRAL and must be connected to the terminal which is marked with the letter N or coloured BLACK.
2. The BROWN wire is LIVE and must be connected to the terminal which is marked with the letter L or coloured RED.
3. The GREEN/YELLOW is EARTH and must be connected to the terminal which is marked with the letter E or \oplus or coloured GREEN or GREEN/YELLOW.
4. Always ensure that the cord grip is positioned and fastened correctly.
5. If a 5A (BS 1363) fused plug is used it must be fitted with a 5A -fuse.
If in doubt consult a qualified electrician.



Please note the Earth, Neutral and Live Terminals are marked as E , N and L respectively.



THE APPLIANCE & ACCESSORIES



Accessories List

	
B1	B2

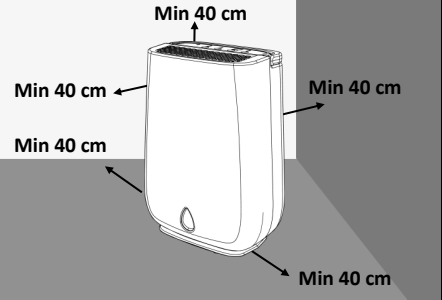
DESCRIPTION	
Key	Description
A1	Air Outlet
A2	Control Panel
A3	Water Level Indicator
A4	Handle
A5	Air Inlet
A6	Antibacterial Nano Silver Filter
A7	Water Tank
A8	Continuous Drainage Outlet
A9	Tank Plug
Key	Description
B1	Continuous Drainage Hose
B2	User Manual

IMPORTANT SAFEGUARDS

WHERE TO POSITION YOUR DEHUMIDIFIER?

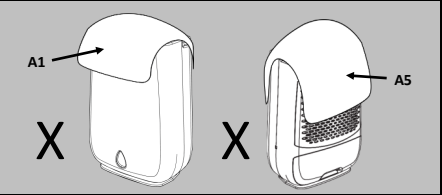
Ensure the unit is a safe distance away from a wall or furniture and away from direct sunlight.

TIP: Position the dehumidifier in the dampest room or somewhere central like a landing or a hallway. As long as the internal doors are open the excess moisture from all of the rooms in the house will migrate naturally towards the dehumidifier and be processed.



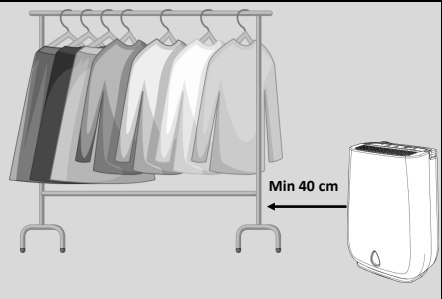
DO NOT PLACE OBJECTS ON OR OVER THE APPLIANCE

Ensure the air inlet (A5) and air outlet (A1) are not obstructed. Obstruction will cause overheating and malfunction.



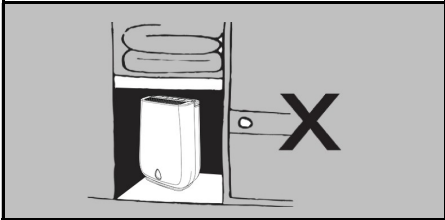
DRYING YOUR LAUNDRY

Never place wet laundry over the appliance. Dry the laundry on a rack with a minimum distance of 40 cm.



ROOM SIZE

- Never use in small confined areas, such as broom cupboard. If using in a confined room it must be a minimum room size of 26 sq meter for this model.



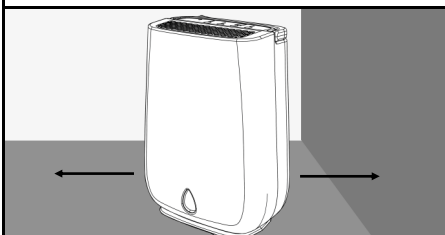
DO NOT SPLASH

- Do not wash the appliance or immerse in water
- Do not allow water to drip on to the appliance



PLACE ON EVEN LEVEL FLOOR

- Always operate appliance on an even level floor to avoid leakage
- If appliance is on carpet, ensure the appliance is stable and level



IMPORTANT

- Do not move the appliance or remove the water tank when the dehumidifier is running. It may cause damage, electric shock, water leak or spills.
- After turning the dehumidifier off, the fan will continue to run for 2 minutes. This is to help to cool and protect the internal components. During these 2 minutes, do not remove the power plug from the power socket, wait for the fan to stop.
- Never use in dusty areas, building sites or an industrial environment where tiny particles can clog up the filter or internal components.

INSTALLATION

PLEASE READ IMPORTANT SAFEGUARDS BEFORE INSTALLATION

FIND A SUITABLE POSITION

- Position the dehumidifier in the dampest room or somewhere central like a landing or a hallway. As long as the internal doors are open, the excess moisture from all of the room in the house will migrate naturally towards the dehumidifier and be processed.
- If there is a problematic area or a room in a high humidity level, use a hygrometer to measure (available to purchase at ecoair.org) in the property, you may wish to place it in that area initially. Once the problem is settled you may wish to relocate to the location above.
- Please refer to the important safeguards on the previous pages when positioning the dehumidifier, such as a safe distance away from the wall, avoid confined areas, ensure floor is even and level surface.

INSTALLING THE DEHUMIDIFIER

- Unpack the dehumidifier and plug in to the socket.
- Ensure there is a minimum distance of 40 cm around the dehumidifier.
- Check that the dehumidifier is level to avoid any water leaks.
- Turn on the dehumidifier to start dehumidification.

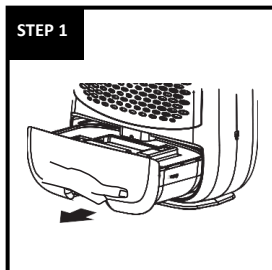
ZEOLITE

- When you first use the dehumidifier and periodically thereafter you may notice a smell coming from the dehumidifier. This is caused by the Zeolite desiccant material and is NOT a sign that the dehumidifier is faulty, nor is it harmful to humans or pets.
- The Zeolite absorbs odours from items such as cigarettes, cosmetics, hair sprays, building materials and new furniture and then when the desiccant is heated the smell is discharged into the room. (This smell has been described as being like a burning smell or a sour smell). This is normal and will NOT last long, nor is it a sign of a fault.

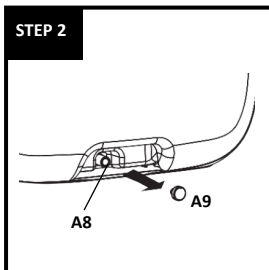
INITIAL OPERATION

- When you first use your dehumidifier it will work hard to reduce the room humidity to your set target humidity. This is the time when it will produce most of the water and need emptying more frequently. As the room become dryer, the dehumidifier collects less water. This is normal.
- Once the power is restored after a power failure, the dehumidifier will continue to operate at the selected settings prior to the power failure.

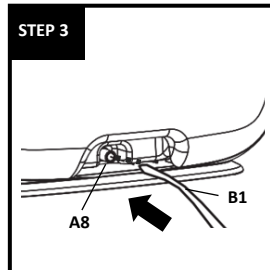
SETUP CONTINUOUS DRAINAGE



Slide the water tank out (A7)



Remove the plug (A9)



Push the Continuous Drainage Hose (B1) into the Continuous Drainage Outlet (A8)

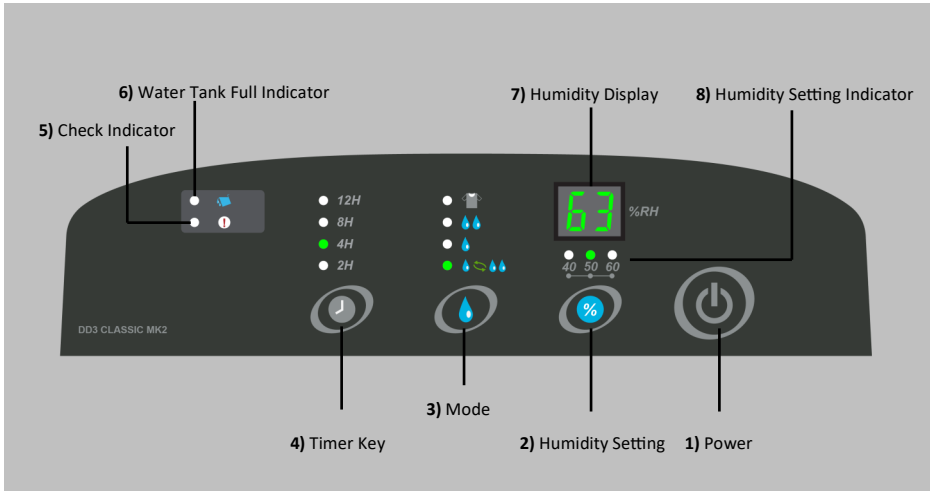
Use a hose with an inner diameter of 11.5mm for continuous drainage:

1. Remove the Water Tank (A7)
2. Remove the Tank Plug (A9) from the Continuous Drainage Outlet (A8) at the bottom of the water tank (store safely as you will need to plug it when not using the continuous drainage).
3. Insert the Continuous Drainage Hose (B1) into the Continuous Drainage Outlet (A8).
4. Reinsert the water tank to the correct position.
5. The Continuous Drainage Hose (B1) must lead to an appropriate drain at a downward slope with no sharp bends.

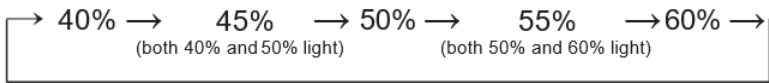
NOTE:

- Ensure the tank and the hose are securely fitted in position before turning the dehumidifier on.
- Never leave the end of continuous drainage hose outside when the temperature is below 1°C to avoid leakage. (When the outdoor temperature is at freezing point the water will not flow freely and this will cause a blockage consequently pushing the any condensation back to the dehumidifier and leakage will occur).

CONTROL PANEL




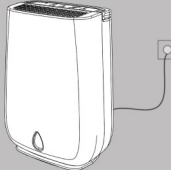
1. **Power Key** - Turn unit on ON/ OFF.
2. **(a) Humidity Setting** Press to set the desired humidity level.
(b) Humidity Setting Indicator


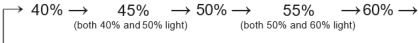
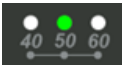



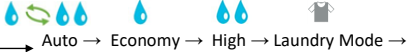




Note: The Humidity Settings Indicator displays with a single or two LEDs, e.g. when 40% and 50% illuminates mean 45%.

3. **Dry Mode** - Select AUTO or ECONOMY or High settings.
4. Select **Laundry Mode** to run the appliance continuously and when drying laundry.
5. **Timer Key** - Select 2, 4, 8 or 12 hours' timer on.
6. **Check Indicator** - Indicator lights up when the unit needs attention.
7. **Water Tank Full Indicator** - Indicator lights up when the water tank is full or incorrectly installed.
8. **Humidity Display** - The display by default shows the ambient humidity level. Press the Humidity Setting button once, the display will show the targeted humidity you have selected.



OPERATION

ON/OFF 	
TO OPERATE UNIT	<ul style="list-style-type: none"> Place the unit in an upright position on an even level surface. Plug the unit into the mains socket. Press the ON/OFF button to operate the unit. Select the desired Mode. To switch the unit OFF, Press the ON/OFF button. Note the fan will run for 2 minutes, to help cool and protect the internal components. (TIP: do not unplug the power socket until the fan stops)
	

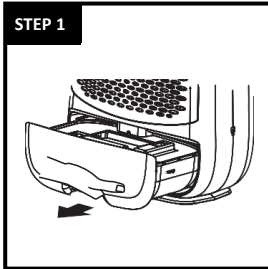
HUMIDITY SETTING 	
<ul style="list-style-type: none"> Press the humidity setting button to set your desired humidity level from 40% to 60% in 5% intervals: 	
	
<p>Note : The display will show the ambient humidity level 3 seconds after setting the desired humidity level.</p>	
ENERGY SAVER MODE	
<ul style="list-style-type: none"> The Energy Saver Mode will reduce energy consumption. As soon as the desired humidity level is reached, the dehumidifier will pause for 15 minutes and will sample the air for 2 minutes to detect humidity. If the humidity has increased by 5% RH or more, it will start dehumidification, otherwise it will return to the sampling mode. (Pausing for 15 minutes and sampling for 2 minutes). 	
<p>Note : when the dehumidifier is in sampling mode, the humidity settings indicator light will flash. (See Page 7 for more information)</p>	
	

MODE SETTING 	
<ul style="list-style-type: none"> Press the "MODE" setting button to set the mode in the following loop. The LED display will guide you. 	
	
<p>TIP: Avoid using the Laundry modes for normal daily use. You may use to dry very damp rooms over 2–3 days and then switch to the recommended Economy mode.</p>	
 Auto	<p>Select to keep the room at a comfortable level</p> <ul style="list-style-type: none"> The fan speed and heater are controlled from low to high when the room humidity is 10% higher than the setting, and turn from high to low when only 5% or less higher.
 Economy	<p>Select to run in Economy mode</p> <ul style="list-style-type: none"> The machine runs with a low fan speed and a low heat setting.
 Hi	<p>Select High mode to quickly control high levels of humidity</p> <ul style="list-style-type: none"> The machine runs with a high fan speed and a high heat setting.
 Laundry Mode	<ul style="list-style-type: none"> Select the laundry mode for continuous dehumidification, and the display will show "Co" at the same time. While selecting the laundry mode, the Humidity Setting is disabled. Note : The display will go back to the ambient humidity level in 3 seconds, after setting the laundry mode.

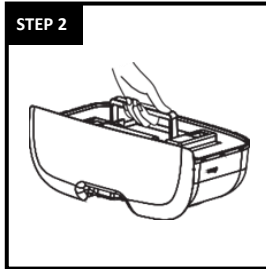
OPERATION

TIMER	
<ul style="list-style-type: none">• Press the "TIMER" Key to select your desired running time	
<ul style="list-style-type: none">• Press the TIMER button to set the timer, as it counts down the remaining time is displayed via the LED's.	
<p>→ 2hr → 4hr → 8hr → 12hr → continuous (no led) →</p> <p><i>2H 4H 8H 12H</i></p>	
CHECK LIGHTS	
 <p>Water Full Indicator</p>	<ul style="list-style-type: none">• Lights up when water tank is full or not properly inserted.
 <p>Check Indicator</p>	<ul style="list-style-type: none">• Antibacterial Nano Silver Filter needs cleaning.• Dehumidifier needs to cool down. Switch OFF and leave for 30 minute and turn on again. This is normal.• In low humidity or temperature conditions.• In high temperature condition over 40°C or low temperature below 1°C.
<ul style="list-style-type: none">• TIP: When the check light comes on, remove the plug from the socket. Move the unit to another room after it cools down or when conditions allow, follow Steps 1 and 3.	

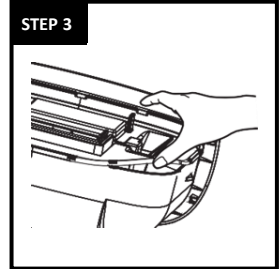
EMPTYING THE WATER TANK



Slide the water tank out



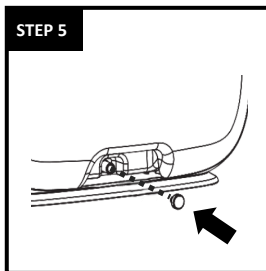
Lift by the handle



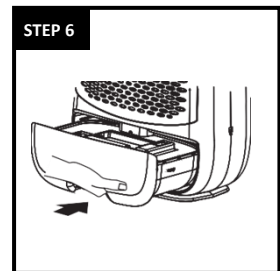
Open the corner of bucket cover



Pour the water away



Check the rubber plug



Restore the tank

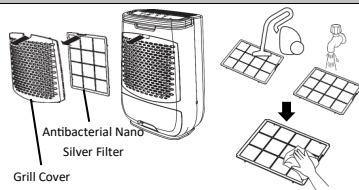
1. The Water Full Indicator lights up when the water tank is full and the dehumidifier stops operating.
2. Do not move the dehumidifier or remove the water tank when the dehumidifier is running, as water may leak; causing damage to the dehumidifier or an electric shock.
3. Before removing the water tank leave the dehumidifier to stand for approximately 10 minutes to ensure all water has dripped into the water tank.
4. To remove the water tank, slide it out gently by gripping the water tank from bottom cutaway and pull out carefully.
5. Pour the water away by tilting the water tank, (see step 4 picture) to the right side. Clean the water tank if needed.
6. Reinsert the water tank to the correct position, as soon as possible to prevent water dripping from the dehumidifier.
7. Check the rubber plug is firmly in place. Insert the water tank back to the correct position.

NOTE :

- Clean the water tank with clean water if needed. Do not use detergent, solvents, abrasives or hot water to avoid damaging the water tank or float.
- Do not remove or damage the float in the water tank or the dehumidifier will not operate properly.
- The Water Full light indicator illuminates if the water tank is not correctly in position.
- Do not tilt the dehumidifier when removing the water tank.
- If the water tank is removed whilst the dehumidifier is running the fan will continue to run for 3 minutes.

CLEANING, MAINTENANCE & STORING THE APPLIANCE

STEP 1 - CLEANING YOUR FILTER

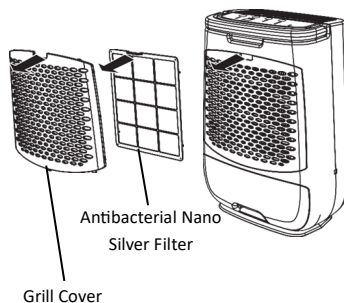


1. Turn off and leave for 5 minutes, then unplug the dehumidifier. Remove the filter.
2. Clean the filter with a brush or vacuum cleaner. (Washing will weaken the germicidal effect of the filter).
3. Reinsert the filter back into position.

Tip: Clean your filter every 2 weeks to keep your air clean and prolong the life of your dehumidifier. The frequency will depend on conditions of operation. Filter must be cleaned every 2 weeks to avoid dust build up internally that will cause malfunction.

Note: If the filter is covered with dust, the airflow and the performance of the dehumidifier will be affected.

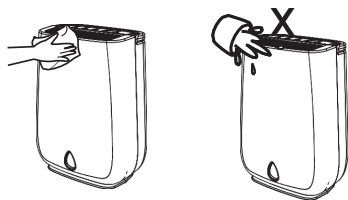
STEP 2 - REPLACING YOUR FILTER



It is recommended that the outer filter is replaced every 6 months for optimal performance and hygiene standards. To purchase a replacement filter please visit: www.ecoair.org

STEP 3 - CLEANING YOUR DEHUMIDIFIER

1. Turn off and leave for 5 minutes, then unplug the dehumidifier.



2. Clean the surface with a soft damp cloth.
3. Dry thoroughly with a towel after cleaning.
4. For cleaning tank, see Emptying the Water Tank section.

Caution:



- Do not wash the unit or immerse in water.
- Do not let water drip into the air inlet or outlet.
- When cleaning the water tank, take caution to avoid damaging the float.

STEP 4 - STORING YOUR DEHUMIDIFIER

1. Turn off the dehumidifier, wait 5 minutes and unplug the dehumidifier from the power socket.
2. Leave the dehumidifier to drain for approximately one day. Clean and dry the water tank.
3. Clean the filter and the dehumidifier. Cover the dehumidifier to prevent it from gathering dust. Store upright in a cool dry place.
4. Do not expose to direct sunlight.

TROUBLESHOOTING

CHECK THE FOLLOWING POINTS BEFORE CONTACTING TECHNICAL SUPPORT.

PROBLEM	REASON	SOLUTION
No Power	Dehumidifier is not plugged in or there is no power supply	Plug the dehumidifier into mains and switch plug ON. Check the main power supply
 Check Light On	Filter clogged	Check and clean or replace the filter
	The air inlet or outlet is blocked or covered	Remove obstructions
	Low humidity condition	Switch off unit and move to another room
 Water Full Light On	Water tank is full or installed incorrectly	Empty water tank or re-install correctly
	Water float out of position	Restore water float back into position
Water Leaking	Dehumidifier on uneven surface or water tank fitted incorrectly	Ensure the dehumidifier is on a flat, even surface, use a spirit level to check, remove tank and replace correctly
	Filter clogged	Clean or replace filter
	Damaged water tank	Remove the water tank, fill with water and place on a hard even surface to test for leakage
	The continuous drainage is clogged or loose	Check the continuous drainage hose and its connection
Not Collecting Water	Set humidity is reached	Read adjust the humidity settings
	Room is very cold or very dry for the current settings	Read adjust the humidity setting or increase the room temperature Check room temperature and humidity levels
	Filter dusty	Clean the air filter or replace it
	Dehumidifier set up incorrectly	Ensure unit is set up correctly (Quick Start Up)
	Room temperature is too hot Room temperature is too cold	Open the window or door to ventilate or increase the heat in the room
Noisy	Water tank or filter fitted incorrectly	Check and refit the water tank or filter Check unit is on an even level surface

In the unlikely event of a problem with your product, please refer in the first instance to:
ECOAIR TECHNICAL SUPPORT
www.ecoair.org/support