



ENGLISH

中文

OWNER'S MANUAL
DEHUMIDIFIER
Smart Inverter



Please read this manual carefully before operating your set and retain it for future reference.

Models : LD156QSD0



P/NO : MFL68026019
Rev00_031617

www.lg.com





2 SAFETY PRECAUTIONS

SAFETY PRECAUTIONS

The following safety precautions are intended to prevent accidental property damage and personal injury through safe and correct use of the product.

WARNING

Failure to follow the instructions could result in death or serious injury of the user.

CAUTION

Failure to follow the instructions could result in personal injury or property damage.

WARNING

When installing the dehumidifier

- **Do not damage, alter, excessively bend, twist, pull, pinch or heat the power cord.**
If the power cord is damaged, request for repair to the service technician to prevent any risk.
If not, it can cause fire, electric shock or product failure.
- **Do not use multiple-outlet adaptors with this dehumidifier.**
Excessive use of power could result in electric shock or fire.
- **Do not use the product if the outlet is damaged or loose.**
Doing so could result in electric shock or fire.
- **If there is a gas leak, open the window for ventilation before using the dehumidifier.**
Failure to do this could result in explosion, fire or burns.
- **Do not disassemble, repair or modify the product.**
Doing so could result in fire or electric shock.
- **Do not store or use flammable gases or materials near the dehumidifier.**
Doing so could result in fire or product malfunction.
- **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 person responsible for their safety.**
Children should be supervised to ensure that they do not play with the appliance.

When using the dehumidifier

- **Push the power plug all the way into the wall outlet so that it is not loose.**
A loose connection could result in fire.
- **Do not touch the power plug with wet hands.**
Doing so could result in electric shock or injury.
- **Do not modify or extend the power cord.**
Doing so could result in fire or electric shock.
- **If the product makes a strange noise or emits a smell or smoke, pull the power plug out and contact the service center.**
Failure to do this could result in explosion, fire or burns.
- **Avoid placing the dehumidifier or other heavy objects on top of the power cord.**
Doing so could result in fire or electric shock.
- **Do not use water to clean the dehumidifier.**
Doing so could result in electric shock or malfunction.





- **Keep the air inlet and outlet free from obstructions.**
Failure to do this could result in poor performance or malfunction.
- **Do not cover the power cord with a mat etc.**
If heavy objects are placed on the mat, the power cord underneath could be damaged, causing fire or electric shock.
- **Do not place combustion appliances directly in the path of the dehumidifier's airway.**
Doing so could result in incomplete combustion or deformation by heat.
- **Keep the product away from fire.**
Failure to do this could result in fire.
- **Do not use the product in places where it could be splashed by water.**
Doing so could result in fire or electric shock.
- **Do not insert fingers, sticks etc. into the air inlet or outlet.**
You could be injured by the high-speed fan.
- **Only qualified personnel may clean the internal parts. Do not use corrosive detergents.**
Doing so could result in product malfunction, fire or electric shock.

CAUTION

When installing the dehumidifier

- **Do not use the product for purposes other than its intended use.**
This product is not designed for preserving precision instruments, tableware or art works. The quality of the items you are trying to preserve could deteriorate.
- **Ventilate frequently.**
Keep the area well ventilated, especially if you are using a combustion appliance as well. Inadequate ventilation reduces the oxygen level in the air.
- **Always hold the plug head when pulling the power plug.**
Failure to do so could result in electric shock or injury.
- **Do not use excessive force when pulling the extension hose.**
Doing so could result in damage to or deformation of the hose.
- **Do not use the product in places where chemicals are used.**
Chemicals and solvents dissolved in the air in places such as hospitals, factories, laboratories and hair salons could cause the product to become deformed, causing the dehumidified water to leak and wet nearby household items, equipment etc.
- **Turn off the dehumidifier and pull out the power plug before cleaning.**
If you do not do this, you could be injured by the high-speed fan.
- **DO NOT operate the dehumidifier without a filter.**
Using the product without a filter could result in a reduced product lifespan, electric shock or injury. 10 cm or longer

When using the dehumidifier

- **Do not use the product for preserving animals/plants, precision instruments, art works etc.**
You could be injured due to falling etc.
- **Do not place vases or water jars on the dehumidifier.**
If the water flows into the dehumidifier, it could result in fire or electric shock.





4 SAFETY PRECAUTIONS

- **Turn off the dehumidifier and empty the water tank before moving the dehumidifier.**
The water could overflow from the tank, wetting household items or causing fire or electric shock.
- **Pull out the power plug if you will not be using the product for an extended period.**
Failure to do this could result in product malfunction or fire.
- **Do not use the product in a very small space such as a closet.**
Poor ventilation could result in overheating or fire.
- **Do not use wax, thinner or a strong detergent when cleaning. Wipe the product using a soft cloth.**
Using inappropriate cleaning products could cause the product to become discolored or develop surface flaws.
- **Do not use the product in direct sunlight or rain.**
The product could overheat, causing fire or electric shock.
- **Do not touch the product with wet hands.**
Doing so could result in electric shock. Position the product on a firm, stable surface.
- **If the product is on an unstable surface, it may vibrate and make noise.**
If the product is tilted or laid down, the dehumidified water could overflow and the product could malfunction.
- **Do not keep the power cord tied up when using the product.**
The power cord could overheat, resulting in fire.
- **Do not spray foreign substances or water into the sensor hole.**
This could result in electric shock or malfunction.
- **Do not use the product at unstable voltage for a long period of time.**
The product may stop automatically to protect itself. This could result in electric shock or malfunction.





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QUICK START

Dehumidifier efficiency varies depending on room temperature and relative humidity

- A lower temperature and lower relative humidity will reduce the moisture removal rate.
- The compressor operates in dehumidification mode only when the set humidity is lower than the room humidity.

The operating temperature is 5°C to 32°C.

- The dehumidifier cannot be used at 0°C or below because the dehumidified water could freeze.
- At 32°C or higher, the dehumidifier may stop running automatically to protect itself from overheating.

The room temperature increases while the dehumidifier is running.

- This dehumidifier does not have temperature control functions.
- The dehumidifier generates heat while operating, raising the room temperature by about 2°C or 3°C depending on the usage conditions (room air pressure and room size).

The dehumidifier can be restarted after three minutes.

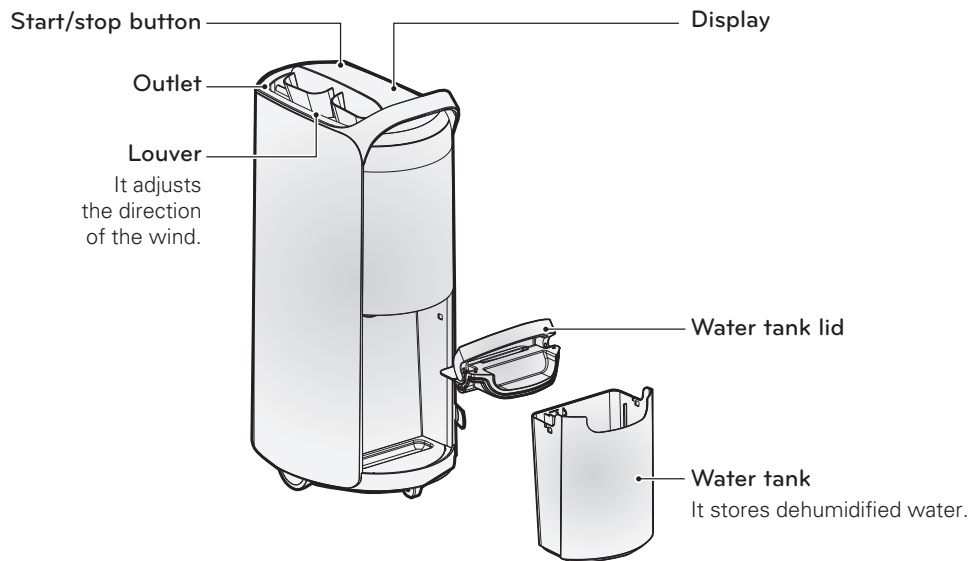
- If you attempt to restart the dehumidifier immediately after stopping it, the compressor will start running again after about three minutes for product safety reasons.



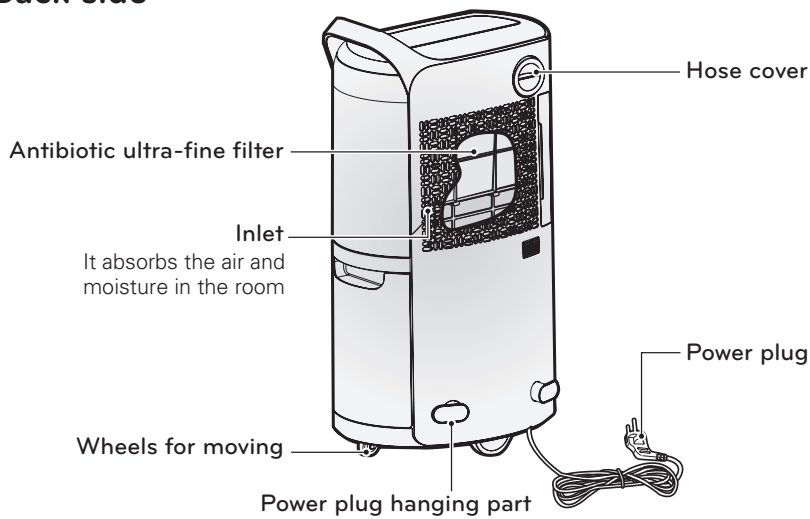


NAME OF EACH PART

Front side



Back side



* The components are at the top part of the product packaging box.



Extension hose



Shoes drying hose



Laundry drying hose

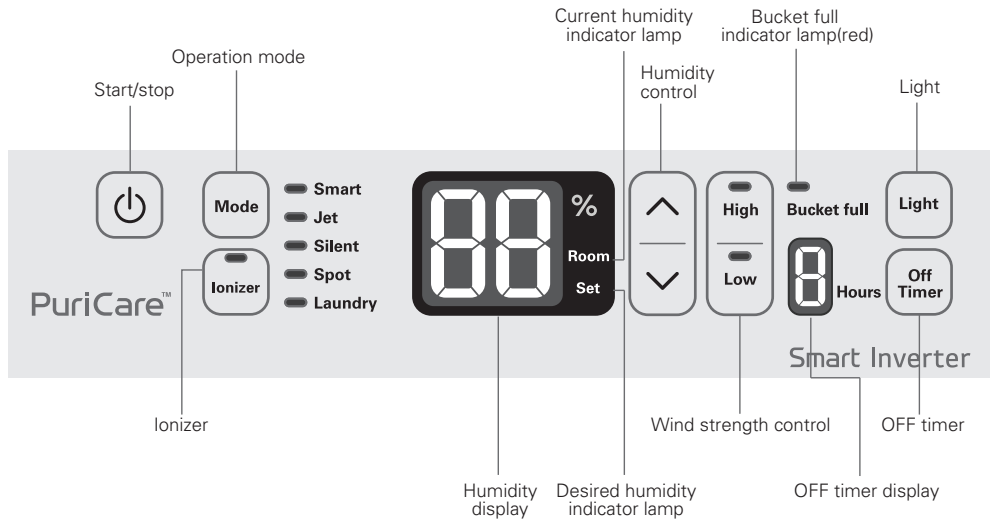




8 NAME OF EACH PART

ENGLISH

Display Panel



Start/stop button

It is used to start and stop the product operation.

Operation mode button

It is used to switch to Smart dehumidification mode, Jet dehumidification mode, Silent dehumidification mode, Spot drying mode, and Laundry drying mode.
Smart dehumidification → Jet dehumidification → Silent dehumidification → Spot drying → Laundry drying → Smart dehumidification

Ionizer button

It is used to remove harmful bacteria in the air.

Humidity control button

It controls the desired humidity. (30%~70%)
Humidity control can be set in the units of 5%.

Wind strength control button

It controls the wind strength.

OFF timer button

The product will be turned off after the set time.
When the button is pressed, it is increased by 1 hour each time, and you can set up to 8 hours.

Light button

It is used to turn on the LED light at the left side of the water tank.





CHECKLIST BEFORE USAGE

Dehumidification amount changes according to indoor temperature and relative humidity.

- If the temperature or relative humidity is low, dehumidification amount is decreased.
- Dehumidification is performed with compressor operation only when the desired humidity is lower than the current humidity.

The product can operate in the temperature boundary of 5°C~32°C.

- At 0°C or less, dehumidified water will freeze, and dehumidification cannot be performed.
- If it is over 32°C, the temperature inside the dehumidifier will rise, and there will be cases of stopping the operation by protective device activation to avoid excessive usage.

When the dehumidifier is under operation, the indoor temperature will rise.

- Dehumidifier does not have a cooling/heating function.
- Heat is generated during the operation, so the temperature may be increased by about 2°C~3°C according to the usage conditions (indoor temperature, size of the room).

Operation will restart after 3 minutes.

- If it is restarted right after the stop, the compressor will start about 3 minutes after to protect the product.

It automatically protects the product during the continuous operation.

If it is operated for 24 hours or more continuously, the compressor will stop automatically to protect the product, and it will restart after 1 hour.

Please have gap of 30cm or more from the wall.

If it is not ventilated well, the air suction performance will be degraded.

There may be water remaining in the drain water tank at the first time usage.

There may be water remaining in the drain water tank by the product outgoing inspection to check the normal operation of the product.
It is not a failure.





HOW TO USE

Push start/stop button.

- The louver opens and smart dehumidification starts.
But, if there is no button operation, it operates continuously for 30 minutes before operating at desired humidity 50%.
- The current humidity is displayed on the humidity indicator lamp.

Press operation mode button to select desired operation mode among smart dehumidification, jet dehumidification, silent dehumidification, spot drying, and laundry drying mode.

- The selected operation indicator lamp is lighted.
- The selected operation mode starts after 3 seconds.

Press Humidity Control \wedge / \vee button to change humidity.

- Desired humidity can be set to 30 ↔ 35 ↔ 40 ↔ 45 ↔ 50 ↔ 55 ↔ 60 ↔ 65 ↔ 70.
Humidity can be set with the units of 5%.
- During the humidity setting, desired humidity is displayed on the humidity display part, and the current humidity is displayed after about 5 seconds.
- Current humidity is displayed in the units of 5% from 25~90%.
If it is less than 25%, it is displayed as 25%, and if it is 90% or more, it is displayed as 90%.

Press Wind Amount Control button to change wind amount.

You can set the wind amount to low or high wind.





To stop the product, press start/stop button one more time.

- Louver closes.
- All lamps will be turned off and the product stops.

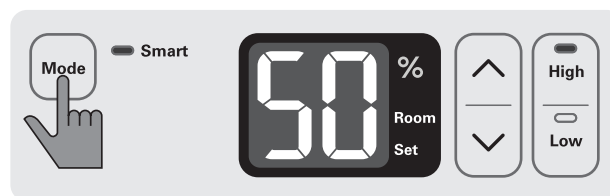
CAUTION

- If the product started again right after stopping the operation, dehumidification operation does not start for about 3 minutes to protect the compressor.
- The product may vibrate during the starting and stopping due to the characteristics of the compressor, and it is normal.

Smart Dehumidification

To maintain pleasant indoor condition

- If you press Operation Mode button to select Smart dehumidification mode and set the desired humidity, it maintains the humidity set by the user.
- The compressor starts and dehumidification operates only when the desired humidity is lower than the current humidity.
(If the current humidity rises, it starts dehumidification operation again.)
- The wind strength is set to high wind as default, and you can set wind strength and desired humidity.
- When the current humidity reaches the desired humidity, the compressor stops, and operates in wind only mode.



Jet Dehumidification

When you want to remove indoor moisture quickly

- Press Operation Mode button to select Jet dehumidification mode.
- After setting the jet dehumidification, it operates in power wind (Po), and after 60 minutes, the current humidity is displayed on the humidity display, and it operates in high wind mode. Even if it is under power wind (Po) operation, high wind indicator lamp is lighted.
- When it is in Jet dehumidification mode, if you select humidity or wind amount button, it switches to Smart dehumidification.
- When you select Jet dehumidification, the desired humidity is set to 50%.
- If it changes from Smart/Silent dehumidification to Jet dehumidification, the desired humidity selected in another operation mode is set.



Silent Dehumidification

When you want dehumidification in silent mode

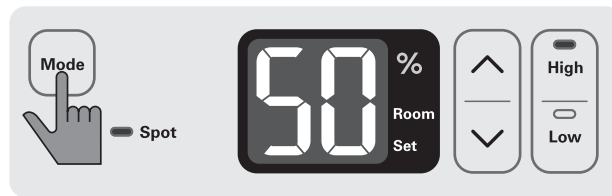
- Press Operation Mode button to select Silent dehumidification mode.
- Silent dehumidification operation makes silent and pleasant room even during the night.
- The wind strength is set to low wind as default, and you can set wind strength and desired humidity.



Spot Drying

When you need spot drying of shoes, closet, etc.

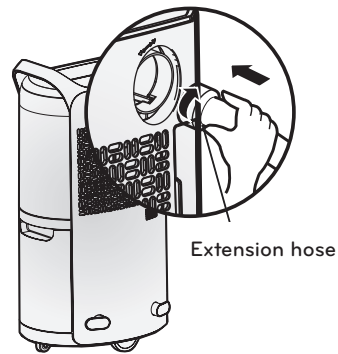
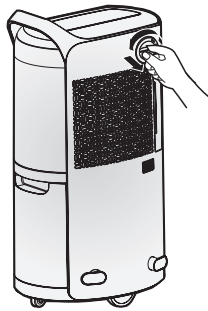
- Press Operation Mode button to select Spot drying mode.
- In Spot drying mode, the louver is closed.
- Wind amount is set to high wind, and humidity control is not operational, but only the wind amount setting is possible.
- The current humidity is displayed in the humidity display window.
- Use the product by connecting shoes drying / closet drying kit through the extension hose as necessary.



How to use Spot drying mode

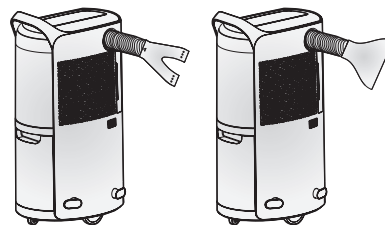
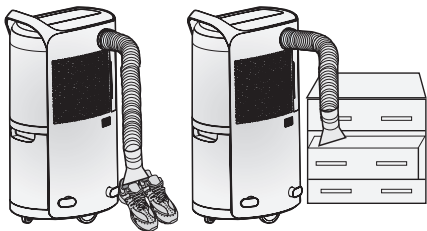
Open the hose cover at the back of the product by turning it counterclockwise.

After inserting Spot drying extension hose, fix it by turning it clockwise.



Extend the hose to make it face the desired drying direction.

Connect shoes drying kit or closet drying kit to the extension hose.





14 HOW TO USE

! CAUTION

- Do not move the dehumidifier by holding the extension hose. Dehumidifier may fall down and cause injury.
- If spot drying operation is used for long period of time, the operation may stop to protect the product.

Laundry Drying

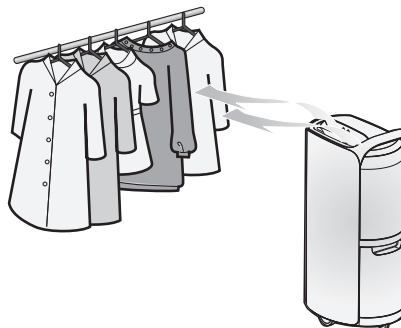
When you want to dry laundry, etc. continuously regardless of the ambient humidity

- Press Operation Mode button to select Laundry drying mode.
- The wind strength is set to high wind, you cannot set humidity but you can set only wind strength.
- During the laundry drying, louver operates up and down.



! CAUTION

When you dry laundry, be careful not to have water of the laundry drop onto dehumidifier.





Ionizer

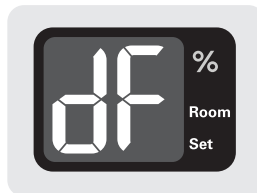
When you want to remove harmful bacteria in the air

- Select it by pressing Ionizer button.
- It removes harmful material in the air such as bacteria, virus, etc. using ionized air.
- You can use Ionizer function and dehumidification function at the same time.
- Ionizer can be used at any time regardless of dehumidifier function.

Defrost Operation

If there is frost in the heat exchanger due to low indoor temperature, it automatically removes the frost.

- During the operation, if 'dF' is displayed on the display, it automatically runs the defrost in the heat exchanger inside the product.
- Compressor is stopped during the automatic defrost operation.





Bucket full

When the water tank is full, operation automatically stops, bucket full lamp is lighted, and warning buzzer sounds.

(Warning buzzer will sound one more time after 1 minute.)

- When the full water is detected, the dehumidification function immediately stops, and fan operates for 3 minutes to remove the remaining condensed water.
- Bucket full lamp is lighted on the display panel, and the product operation stops.
- During the use of light function, if the water is full, LED light blinks to tell to empty water tank.
- After draining, when you insert water tank again, bucket full lamp is turned off, and operation starts again automatically.

CAUTION

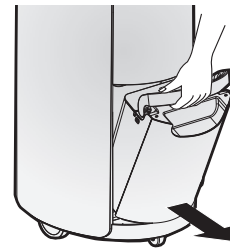
Cautions when you drain the water

Carefully take out the drain water tank.

If you pull the water tank too hard, the water inside may spill over.

When you take out the water tank, make sure to stop the product.

If you take out the water tank during the operation, compressor will stop, and fan will operate for 3 minutes to vaporize the remaining condensed water in the heat exchanger before stopping the operation.



CAUTION

- When you move the product or shock is imposed to the product, empty water tank indicator lamp may be lighted.
- Drain the water inside the water tank, and reassemble the water tank.



OFF Timer

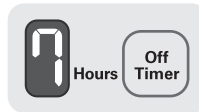
Check if it is under operation and press OFF timer button.

- OFF timer switches in the following order, so select the setting time.

(1 hour gap) → 1 → 2 → ... → 8 → No display

- The remaining time is displayed as time goes.

- When it passes the selected time, operation stops.



To cancel OFF timer

- If you press OFF timer button until the time display disappears in the OFF timer display part, it will be cancelled.

CAUTION

Drain the water inside the water tank and then set the time.

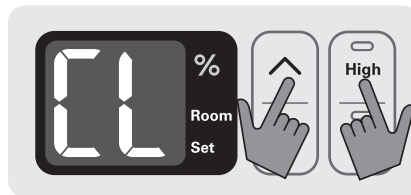
If water tank becomes full during OFF timer operation, bucket full indicator lamp is lighted and the dehumidification stops.



Lock Function

Press \wedge button and high Wind button at the same time for 3 seconds.

- If you take off your hand when the buzzer sounds 1 time after 3 seconds, it enters Lock function.
- "CL" display in the display panel is maintained for 5 seconds.
- It maintains the operation state at the time of setting the function until the function is turned off, and there will be no response even if a button is pressed.
- If you press other buttons in Lock function set state, warning sound is generated 3 times, and 'CL' display is displayed in the display panel for 5 seconds.
- You can set the function regardless of whether the product is in operation.



To unlock

- Press high wind button and \wedge button at the same time again for 3 seconds.
- After 1 buzzer sound after 3 seconds, if you take off your hand, the lock function will be turned off.

Light Function

When you press start/stop button, LED light at the side of the water tank is lighted.

- Light can be operated in all operation modes.

By pressing Light button, you can turn ON/OFF the LED light in the side of the water tank.

Notice of full water function

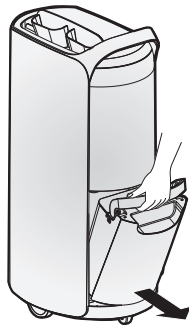
- While you are using light function, if it becomes full water, the LED light on the side of the water tank blinks 3 times with the interval of 1 second to tell to bucket full.



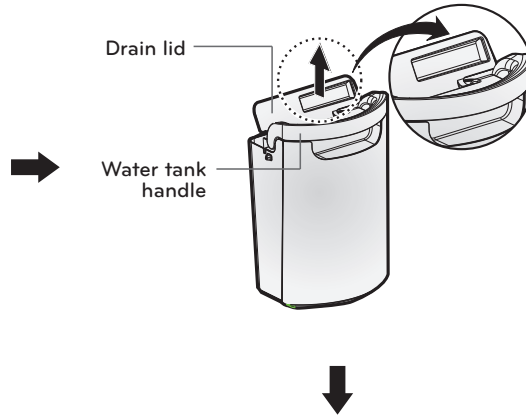


How to empty water tank

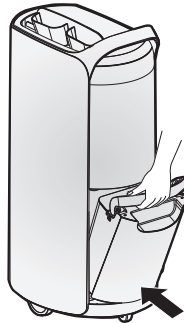
Hold the top handle of the water tank and softly take it out.



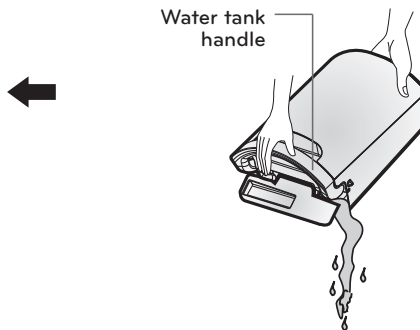
Open the drain lid of the water tank.



First insert the bottom part of the water tank correctly into the hole, and then push it in.



Pour out the water inside the water tank.



! CAUTION

- If the water tank is taken out right after stopping the operation, there are cases of water remaining in the heat exchanger dropping into the main unit. (Wipe the dropped water with soft cloth.)
- After taking out the water tank, do not touch inside the main unit. It will cause failure of the full water detection device.
- Periodically clean inside the water tank (about 1 time per week).
- If it is used during winter or at low temperature, there is less moisture in the air, so dehumidification amount is also decreased.
- When you take out the water tank, make sure to stop the product. If you take out during operation, the compressor will stop and the fan operates for 3 minutes to vaporize the remaining condensed water inside the heat exchanger before complete stop.





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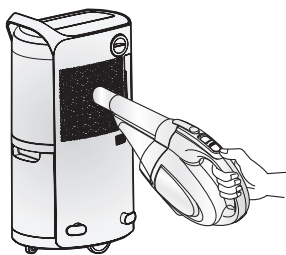
HOW TO CLEAN

How to clean the exterior and inlet of the dehumidifier

Soak soft cloth in water, squeeze out water, and wipe the dehumidifier.

- Do not spray water directly on the main unit.
- If you wash the main unit with water, insulation may be degraded or stain may be formed.

Remove dust using vacuum cleaner or soft brush.

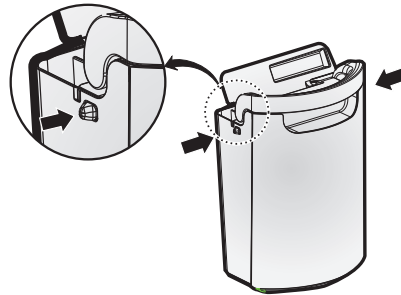


! CAUTION

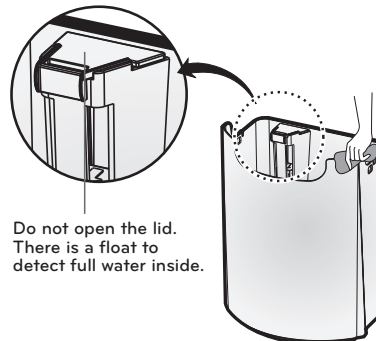
Do not use the following material. It may damage the exterior. (thinner, benzene, acid, sponge, etc.)

How to clean water tank

Press the fixing part on both sides of the water tank to take out the lid.



Wipe the water inside the water tank.



Do not open the lid. There is a float to detect full water inside.

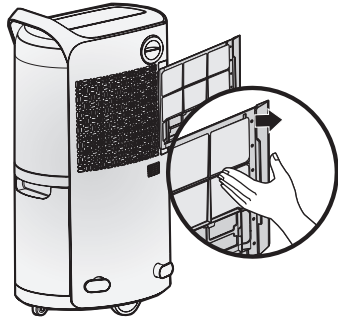
! CAUTION

If the float is fallen off or assembled incorrectly, there may be water leakage.



How to clean Antibiotic ultra-fine filter

Push antibiotic ultra-fine filter to the right to take it out.

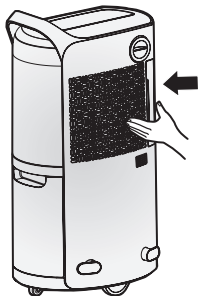


Clean the antibiotic ultra-fine filter with vacuum cleaner or soft brush.

- If the contamination is severe, wash with water using neutral detergent. (Do not use hot water of 40°C or higher.)
- The cleaning period for antibiotic ultra-fine filter is 1 month.



Completely dry in shade, push to the left until the antibiotic ultra-fine filter is not pushed any more.



! CAUTION

- For the safety, pull out the power plug before cleaning.
- After washing the antibiotic ultra-fine filter with water, completely dry it in shadow. (If there is moisture, it may cause failure.)

! NOTE

It is requested to the service center, filter cleaning will be charged.

HOW TO STORE

Pull out the power plug from the socket.

Completely drain the water remaining inside the water tank.

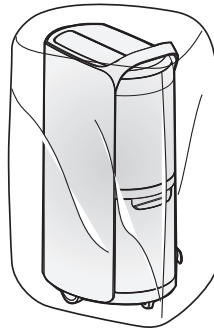
- Separate the water tank lid and wipe the water inside the water tank.

Clean the filter.

- If it is dried under sunlight, it may be deformed.
- During the drying, avoid fire or direct sunlight, but dry in shadow.

After drying at a place without direct sunlight and with good ventilation for about half a day, make sure to store with covering it up and have it stand straight up to prevent dust entering.

(A separate cover for product storage is not provided.)





TROUBLESHOOTING TIPS

Is there something wrong with the product? Please check the following before contacting the service center.

Problem	Check	What To Do
The product is not running.	<ul style="list-style-type: none"> - Is the power plug correctly inserted into the wall outlet? - Are you experiencing a power outage? - Is the water tank correctly installed? - Is the Tank Full indicator lit? - Is the set humidity set higher than the room humidity? 	<ul style="list-style-type: none"> - Insert the power plug. - Check other appliances. - Install the water tank correctly. - Empty the water tank. - Press the ON button when Auto Defrost ends. - Reduce the set humidity to below the room humidity.
There is little dehumidification.	<ul style="list-style-type: none"> - Is the dehumidifier running in Air Purifying mode? - Is the room temperature or humidity too low? - Is the air inlet or outlet blocked? 	<ul style="list-style-type: none"> - Select Auto Dehumidifying / Laundry Drying mode. - Check the target humidity. - Use Laundry Drying mode. - It is normal for less dehumidification to take place in the winter and in dry areas. - Remove the obstruction. - Clean the filter.
Humidity does not seem to decrease much even though the product is running in dehumidification mode.	<ul style="list-style-type: none"> - Is the door/window open? - Is the room too big? - Is there an object generating steam nearby? 	<ul style="list-style-type: none"> - Close the door/window. - Use the dehumidifier in an adequately sized room. - Do not use the dehumidifier together with other appliances.
The humidity reading on the display is incorrect.	<ul style="list-style-type: none"> - Is the dehumidifier obstructed in any way? - Is the dehumidifier far away from the place you are trying to dehumidify? 	<ul style="list-style-type: none"> - Keep the dehumidifier away from walls etc. - The dehumidifier's display shows the humidity level in its current position, which may be different from the level in other positions.
It is taking a long time to dry laundry.	<ul style="list-style-type: none"> - Is the dry air reaching the laundry? - Are you trying to dry the laundry in a large room? - Are you trying to dry too much laundry? 	<ul style="list-style-type: none"> - Move the dehumidifier closer to the laundry. - Use the dehumidifier in an adequately sized room. - Reduce the amount of laundry.
I just removed the water tank and water is dripping from within the dehumidifier.	<ul style="list-style-type: none"> - Did you remove the water tank while the dehumidifier was running? 	<ul style="list-style-type: none"> - Remove the water tank when the Tank Full indicator is lit.

Call the service immediately in the following situations

1. Power cord is too hot or damaged.
2. Error code is generated by self diagnosis.
3. Water overflow even if the water tank is full.



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