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OWNER'S MANUAL

AIR PURIFIER

Read this owner's manual thoroughly before operating the appliance and keep it handy for reference at all times.

ENGLISH

U10CS1H

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IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

Safety Messages

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:



WARNING

You may be killed or seriously injured if you do not follow instructions.



CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

IMPORTANT INSTRUCTIONS

WARNING

- When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, injury to persons, and hyperthermia, including the following:
- Read all instructions before using this heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. If provided, use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 1/4 feet (1 m) from the front of the heater and keep them away from the sides and rear.
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Always unplug heater when not in use.
- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater, or return to authorized service facility for examination and/or repair.
- Do not use outdoors.
- This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect heater, turn controls to off, then remove plug from outlet.

4 IMPORTANT SAFETY INSTRUCTIONS

- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
- This heater may include an audible (a visual) alarm to warn that parts of the heater are getting excessively hot. If the alarm sounds (flashes), immediately turn the heater off and inspect for any objects on or adjacent to the heater that may cause high temperatures. **DO NOT OPERATE THE HEATER WITH THE ALARM SOUNDING (FLASHING).**
- Hyperthermia can result in death. Symptoms of hyperthermia include high body temperature, headache, nausea, vomiting, tiredness, dizziness, fainting, and rapid pulse. If you begin to experience symptoms related to hyperthermia, turn off the heater and seek medical attention.
- To avoid excessive room temperatures which can cause hyperthermia: **DO NOT** leave product running unattended in a confined space around infants, or individuals with reduced physical, sensory, or mental capabilities.

• "SAVE THESE INSTRUCTIONS"

WARNING INSTRUCTIONS

WARNING

- To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:
-

Technical Safety

- 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.
- The fan is not a toy. It should not be played with or placed where young children can reach it.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person in order to avoid a hazard.
- Only an authorized repair person should disassemble, repair, or modify the appliance.
- Do not touch the power plug with wet hands.
- Do not install and use broken parts.
- Do not use the product if it has been dropped on the floor.
- To reduce The Risk Of Fire, Electric Shock Or Injury To Persons, Do Not Use Replacement Parts That Have Not Been Recommended By The Manufacturer (e.g. Parts Made At Home Using A 3D Printer).
- To Reduce The Risk Of Fire Or Electric Shock, Do Not Use This Fan With Any Solid-State Speed Control Device.
- **RISK OF ELECTRIC SHOCK** - These servicing instructions are for use by qualified personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- This manual is also available in a PDF format at <https://www.lg.com> and you can obtain a printed copy of the manual from the PDF format.
- To avoid overheating, do not cover the product.
- Do not place this product directly under an electrical outlet.
- Do not use the product if the heater is damaged.
- Some parts of this product become very hot and may cause burns. Special care should be taken when using this product in the presence of children and infirm people or animals.
- Do not use this heater in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.

Installation

- Do not install the appliance on an uneven or inclined surface.
- Do not install the appliance in an area exposed to direct sunlight or near heat-generating equipment.
- Do not install the product in a place where combustible gas may leak or industrial oil or metallic particulates are present.
- Do not allow the appliance to push against the power cord or plug.
- Do not bend the power cable excessively or place a heavy object on top of it.
- Do not extend the length of the power cable or alter it.
- Do not use several devices on a multi-socket extension outlet.
- Make the connection securely so that screw-in terminals will not be loosened when the cable is pulled.
- Make sure that the power cable cannot be pulled out or damaged during operation.
- When unplugging the power cord, always pull it by the plug.
- Unplug the appliance during thunder or lightning storms or when not in use for a long time.
- This appliance has a polarized plug (one blade is wider than the other).
 - To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way.
 - If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician.
 - Do not attempt to defeat this safety feature.

Operation

- If the appliance is immersed in water, stop using it and contact an LG Electronics Customer Information Center.
- Do not operate any fan with a damaged cord or plug. Discard fan or return to an authorized service facility for examination or repair.
- If there is a gas leakage (isobutane, propane, LNG, etc.), do not touch the appliance or power plug and ventilate the area immediately.
- If you detect any abnormal noise, odor or smoke, unplug the appliance immediately and contact an LG Electronics Customer Information Center.
- Do not use or store fire, combustibles (ether, benzene, alcohol, drugs, propane, butane, combustible sprays, insecticide, air freshener, cosmetics, etc.) or flammable materials (candles, lamps, etc.) near the product.
- Do not allow animals or pets to chew on the power cord.
- Do not move the appliance when it is in operation.
- Do not hit the appliance.
- Do not insert hands or metal objects into the air inlet or outlet.
- Do not put flammables into the appliance.

6 IMPORTANT SAFETY INSTRUCTIONS

- Do not move or operate the appliance while its cover is open.
- Do not allow children to climb on or play with the appliance.
- Do not place anything on top of the appliance.
- User Servicing Instructions.
 - Only an authorized repair person from an LG Electronics service center should disassemble, repair, or modify the product.

Maintenance

- Dispose of the packing materials (vinyl, styrofoam, etc.) to keep them out of the reach of children.
- Take care not to injure or pinch yourself when you detach and reattach parts of the appliance.
- Turn off and unplug the appliance before cleaning it or replacing the filter.
- Do not clean the appliance with brushes, cloths or sponges which are abrasive or made of metal.
- For inner cleaning, contact an Authorized Service Center or a dealer.
- Do not use harsh detergent that can cause corrosion or damage to the unit.
- Harsh detergent may also cause failure of product, fire, or electric shock.

CAUTION INSTRUCTIONS

CAUTION

- To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Installation

- Do not tilt the appliance to pull or push it when transporting.
- Do not install the appliance in a vehicle, RV, or marine vessel.
- Do not place the appliance near a TV or stereo equipment.
- Do not place the appliance under bright light.
- The appliance must be installed in accordance with national wiring regulations.
- When moving or storing the appliance, wrap the power cord around the base of the appliance to prevent personal injury, damage to the cord or damage to floors.
- Do not place the appliance near curtains.

Operation

- Do not use the product for removal of toxic gas such as carbon monoxide.
- Do not use the product for ventilation purposes.
- Do not use the appliance for a long time in a region with unstable voltage.
- Do not place obstacles around the air inlet or outlet.
- For safe use of the appliance, children or others with reduced mental capabilities need to be closely monitored by a person who is responsible for their safety.
- Do not use the product for special purposes such as preserving plants, precision instruments, artworks, etc.
- Do not operate the appliance with wet hands.
- Do not let the moisture from a humidifier directly touch the appliance.
- Do not use the appliance while it is not in an upright position.
- Do not use the appliance near objects vulnerable to heat.
- Do not use detergents, cosmetics, chemicals, air fresheners, or disinfectants in the appliance.
- Do not touch any internal parts while the unit is operating or immediately after operation.
- Use the filter only for its intended purpose.
- The Deodorization filter and Dust Collection filter are assembled together. Do not try to detach them from each other.
- Do not insert any objects into the air outlet.

Maintenance

- Do not use strong detergents or solvents to clean the appliance. Use a soft cloth to clean.
- Do not clean the appliance with an alkaline detergent.
- Do not wipe the appliance surface using sulfuric acid, hydrochloric acid or organic solvents (thinner, kerosene etc.) or attach a sticker on the appliance.
- Do not allow water inside the appliance.
- Do not wash the filter with water.

8 IMPORTANT SAFETY INSTRUCTIONS

- Be careful not to damage the ultra-fine filter when cleaning it with a vacuum cleaner.

Battery/Remote Control

- Do not modify the battery.
- An improperly installed battery may cause an explosion.
- Do not recharge or take apart the battery.
- Do not dispose of the battery by placing it in a fire, or expose it to high temperatures.
- Remove and store the battery in a safe location if you don't intend to use the remote control for a long time.
- Do not press multiple buttons at the same time on the remote control.
- Do not kick or step on the remote control.
- Do not use the remote control near water or in areas with high humidity.
- Do not expose the remote control to fire or high temperatures.

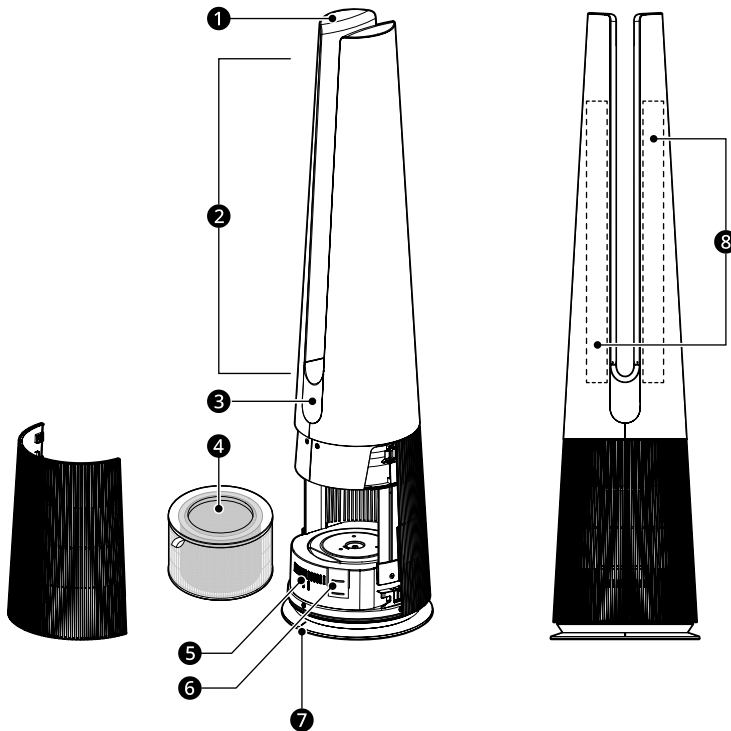
SAVE THESE INSTRUCTIONS

PRODUCT OVERVIEW

Product Features

The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.

Front



❶ Control Panel

- Sets the appliance functions.

❷ Air Outlet

- Emits air purified by the filter.

❸ Display

(Status Display / Receiver for Remote Control Signal)

- Displays the settings of the appliance and the air quality.

❹ Filter

- Minimizes fine particulates, possible sources of smog, and other odors.

❺ Smart Diagnosis Sensor

- If the product malfunctions, use **Smart Diagnosis** to check the product status. (See **Smart Diagnosis** in **Smart Functions**)

❻ PM1.0 Sensor

- Detects the PM concentration levels.

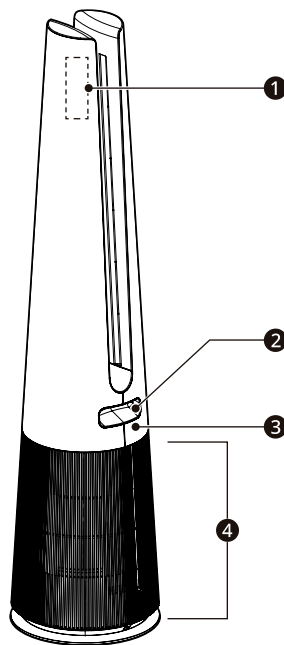
❼ Product Center Line

- Indicates the center line of the product.

❽ Heater (inside the product)

- Warms the air drawn into the air purifier.

Back



❶ Remote Control Holder

- Use it to attach the remote control to the product for storage.
- Attach the front side of the remote control below the attachment label.

❷ Handle

- Use it to carry and move the product.

❸ Temperature/Humidity Sensor

- Detects the ambient temperature and humidity.

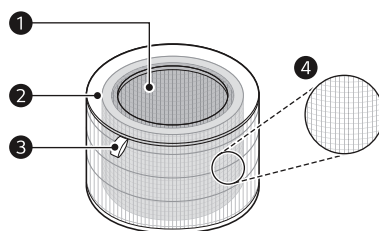
❹ Air Inlet (Cover)

- Air is sucked into the air purifier through the air inlet.
- The front and rear covers can be removed separately.

⚠ CAUTION

- The remote control holder uses a magnet, so do not allow other magnets or metal objects to stick to it.
 - Doing so may cause product failure.
-

Filter



❶ Deodorization Filter

- This filter removes smog-causing substances (SO_2 , NO_2) and household odors (ammonia, acetic acid, acetaldehyde)

❷ Dust Collection Filter

- Minimizes PM1.0 and cigarette smoke from the air.

❸ Filter Handle

- Used to remove or install the filter.
- The side with the handle should face upwards.

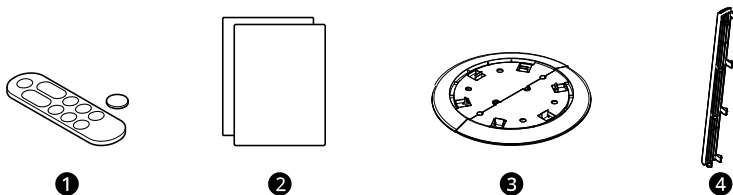
❹ Ultra-Fine Filter

- The Ultra-Fine Filter is attached to the exterior of the filter and primarily removes household dust with large particles from the air.

⚠ CAUTION

- Do not forcefully separate the filters, as the filters are attached.
- Do not throw the filters or use them for other purposes.

Accessories



❶ Remote Control/Battery (CR2025, 1EA)

❷ Owner's Manual

❸ Safety Plate

❹ Safety Guard

INSTALLATION

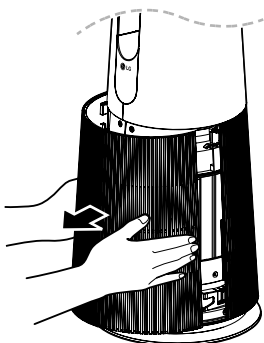
- The exterior or components of the product may vary depending on the model.

Before Installation

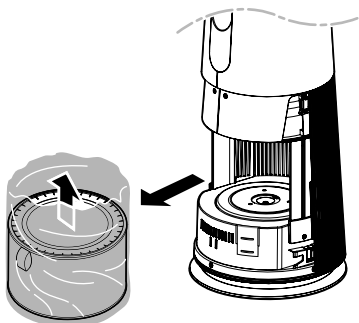
Unpacking the Appliance

Unpack the appliance and remove all packing tape and the filter packaging before using the appliance.

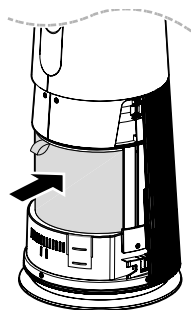
- 1 Take the product out of the box, and remove the packaging and tape attached to the product.
- 2 While facing the front of the product, hold and gently pull both sides of the air inlet (cover) to remove it.
 - The side with the LG logo on the display is the front of the product.



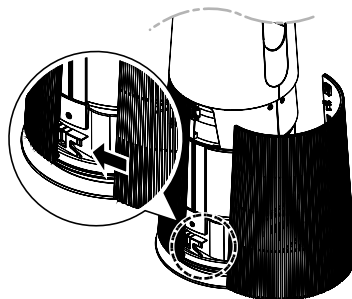
- 3 Remove the filter and dispose of the packaging.



- 4 Install the filter into the product.
 - Make sure that the side with the filter handle is facing up.



- 5 To reinstall the cover, insert the tabs at the bottom of the cover into the groove at the bottom of the product and close the cover.



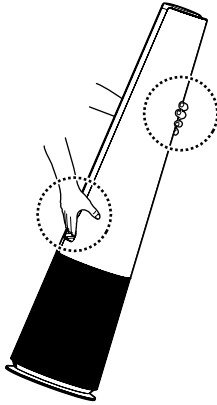
CAUTION

- Be sure to remove the protective packaging from the filter before using the product.
- When installing the filter, pay attention to the direction of the filter.
 - Failure to do so may cause malfunction or product failure.
 - The side with the filter handle is the top.

Transportation Requirements

- Before moving or storing the product, wrap the cord around the lower part of the product to keep the power plug from touching the floor.
 - Failure to do so may damage the power plug or scratch the floor.
- Do not transport the product by holding its exterior cover.
 - The cover may open and cause the product to drop. Dropping the product may cause injury or product failure.

- Carry the product safely by using the handle at the back of the product and placing your other hand at the top front.
- If the heater was used, make sure the product is cool before handling it.

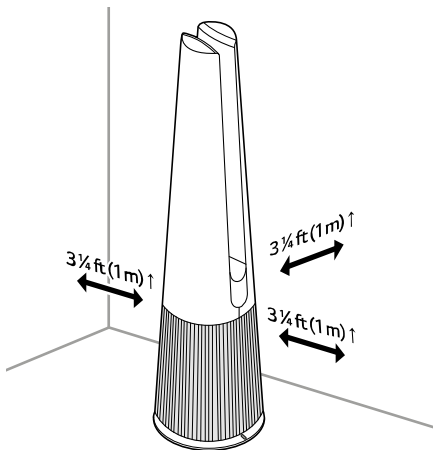


Installing the Unit

Installation Location Requirements

Install the product at least 3 1/4 ft (1m) from walls.

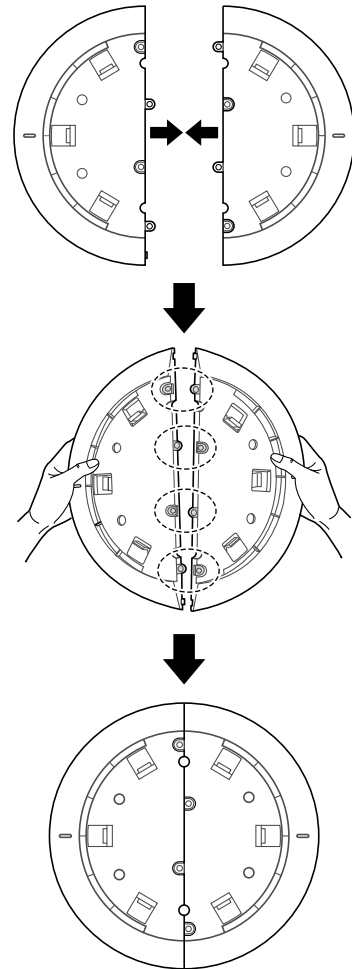
- If there is not enough room for air suction, the air purification performance may be affected.



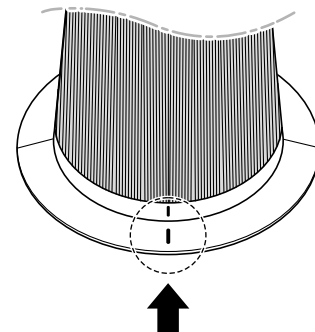
- The performance of the product may differ depending on the operating environment (considering factors such as temperature and humidity).
 - At humidity levels of 40 % – 70 %, the product's guaranteed performance standards can be achieved.
- Do not install the product near direct sunlight or bright lighting.
 - Doing so may cause discoloration of the product.

Installing the Safety Plate

- 1 Assemble the safety plate as shown.



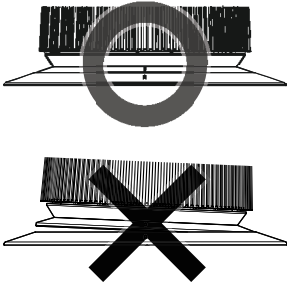
- 2 Place the product so that the center line of the product aligns with the center line on the safety plate.



- 3 Assemble the product completely by pressing it down until it clicks into place.
 - If the product is tilted, reassemble it.

14 INSTALLATION

- To remove the safety plate, tilt the product backward.



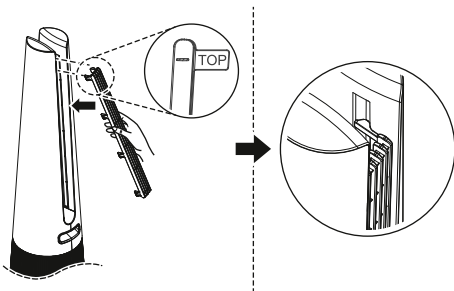
⚠ CAUTION

- Be sure to install the safety plate in order to use the product safely.
- Do not use the product on uneven or inclined floors.
- When assembling the safety plate, be careful to avoid catching your hand between the product and the plate.
- Do not use the safety plate for purposes other than that for which it is designed.

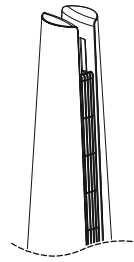
Installing the Safety Guard

The safety guard prevents burns caused by the hot air outlet.

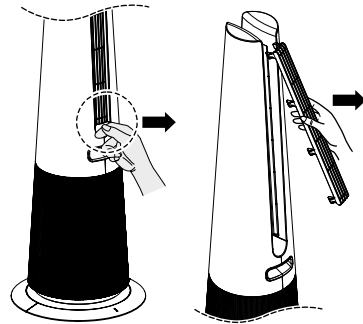
- 1 Insert the top tabs of the safety guard into the top of the outlet slots on the back of the product.



- 2 Insert the tabs into the outlet slots along the length of the safety guard, working from top to bottom until the guard is completely assembled.



- 3 To remove the safety guard, allow the product to cool completely and then pull the guard out from the bottom.



⚠ CAUTION

- If you have an infant, install the safety guard to prevent accidental contact with the hot air outlet.
- Do not push or pull the product while the safety guard is installed on the product.
- Before assembling or disassembling the safety guard, be sure to turn the heating function off and check that the surface of the product is cool.
- Do not use the safety guard for purposes other than that for which it is designed.

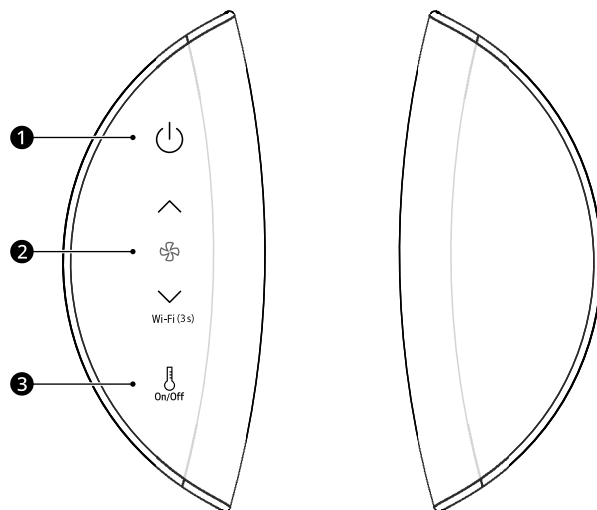
OPERATION

- The exterior or components of the product may vary depending on the model.
- The remote controller may not be included depending on the model.

Features

Controlling the Air Purifier

Control Panel



❶ Standby On/Off Button

- Turns the product on or off.

❷ Speed Button

- Sets the fan speed.
- Reset the filter replacement alert by pressing and holding down the **^** button for 3 seconds.
- To prepare the product to connect to Wi-Fi through the **LG ThinQ** application, press and hold the **∨** button for 3 seconds.

❸ Heating Button

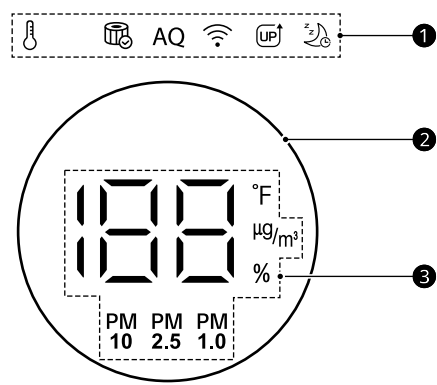
- Starts or stops heating.

NOTE

- Press the two buttons on the control panel at the same time for 3 seconds to use the extra functions.

Long press (more than 3 seconds)	Extra Functions	Description
^ + ∨	Smart Diagnosis	Determine the cause of a product failure through the LG ThinQ application.

Status Display



1 Add-On Display

Icon	Description
	Displayed when operating in heating mode.
	Displayed when it is time to replace the filter.
AQ	The color displayed indicates the overall air quality.
	Displayed when a Wi-Fi connection is established.
	Displayed when an upgraded function becomes available.
	Displayed when the sleep timer is set.

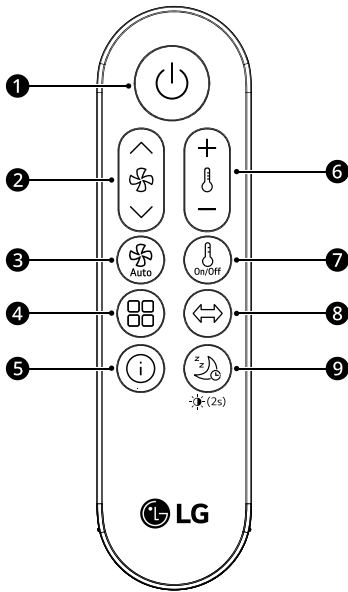
2 Air Quality Light

- Check the overall air quality through the air quality light.

3 Status Display

- Display the air quality, PM10/PM2.5/PM1.0 concentration, temperature and humidity.

Remote Control



1 Standby On/Off Button

Turns the air purifier on and off.

2 Speed Button

Adjusts the fan speed on the air purifier.

- Press and hold the **▲** button to increase the fan speed continuously.
- Press and hold the **▼** button to decrease the fan speed continuously.

3 Auto Fan Button

Sets the fan speed automatically.

4 Mode Button

Sets the operating mode.

5 Information Display Button

Sets the standby screen.

6 Target Temperature Button

Changes the target temperature during heating. (Temperature setting range: 60 °F to 86 °F (16 °C to 30 °C))

7 Heating Button

Starts or stops heating.

8 Rotation Button

Sets the rotation.

- Press and hold the button for 2 seconds to turn the product sound on or off.

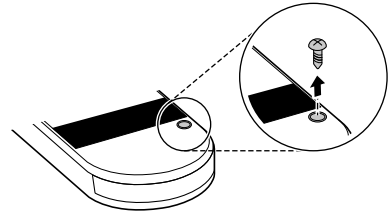
9 Sleep Timer Button

Schedules the time to turn off the product.

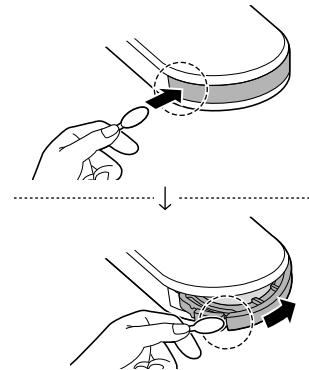
- Press and hold the button for 2 seconds to set the display brightness.

Inserting the Battery

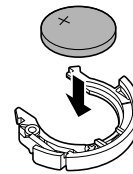
- 1 Using a screwdriver, remove the screw on the back of the remote control.



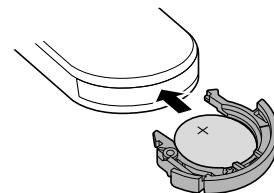
- 2 Using a cotton swab or other simple tool, press in to release the tab on the battery tray. Slide the tray sideways to remove it.



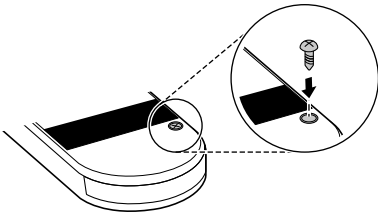
- 3 Insert the battery in the tray with the + polarity facing up.



- 4 Push the battery tray in until it clicks into place.



- 5 Reassemble the screw on the back of the remote control.



⚠ WARNING

- **Warning: Contains Coin/Button Cell Battery**
 - Close the coin/button cell battery tray properly to prevent it from being separated, and keep it out of the reach of children.
 - If the battery tray cannot be securely fixed, stop using it immediately and keep it out of the reach of children.
 - Swallowing the battery may cause serious injury or death. If it is swallowed, seek immediate medical treatment.
 - Do not attempt to modify the coin/button cell battery. Doing so may cause a fire or product failure.
 - Do not dispose of batteries near a place with fire or heat. Doing so may cause an explosion.
-

⚠ CAUTION

- Do not store the remote control near a heater, candle or lit cigarette. Doing so may cause a fire or product deformation.
 - Do not store the remote control in a damp area, and keep it away from splashing water. Exposure to such moisture may lead to fire or electric shock.
 - Press only one button on the remote control at a time. If you press a number of buttons at the same time, the remote control or the product may malfunction.
 - Do not kick or step on the remote control. Doing so may damage the remote control.
 - Remove and store the battery if you don't intend to use the remote control for a long time. Failure to do so may allow battery fluid to leak, leading to product failure.
 - Do not attempt to remove the label on the back of the remote control.
-

NOTE

- For products which include a remote control, a coin/button cell battery (CR2025) is provided.
- When a problem occurs with the remote control, replace the coin/button cell battery or check the

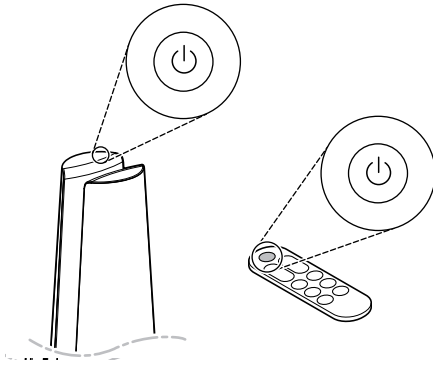
polarity (+/-) of the battery first before contacting an LG Electronics Customer Information Center.

- When using the remote control, point it at the remote control receiver on the product.
 - If there is an obstacle between the remote control and the product, or the distance between the remote control and the product is too great, the remote control may not operate effectively. The recommended distance from which to use the remote control is 23 ft (7 m) or less.
 - Dispose of used batteries in a local waste battery collection box.
-

Operating the Air Purifier

Start/Stop

Press the **Standby On/Off** button to turn the air purifier on or off.



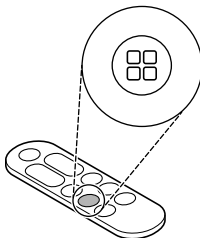
NOTE

- When you operate the product for the first time after installing it, it will operate in **Wide Mode** with **Level 5** as the fan speed.
- If you stop product operation and then resume, it will start in the mode you last selected.
- If the product is unplugged or a power failure occurs during operation, the most recently used mode (fan speed, operating mode, brightness) is saved.
- When you start product operation, the room temperature and indoor humidity are displayed in that order, and the overall air quality is displayed after the sensor has stabilized.

Operating Mode

Press the **Mode** button to select the mode.

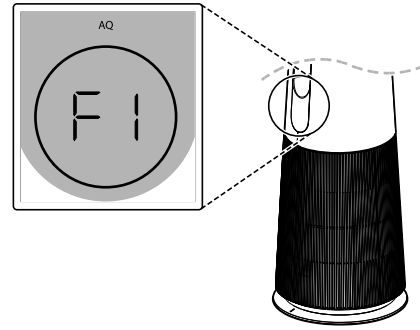
- If you press the **Mode** button during operation, the mode will change in the order of **Wide Mode** ↔ **Natural Wind Mode**.



Wide Mode

Clean air comes out from the front of the product, keeping the room cool and pleasant.

- When the **Wide Mode** is selected, **F1** is displayed briefly on the status display.



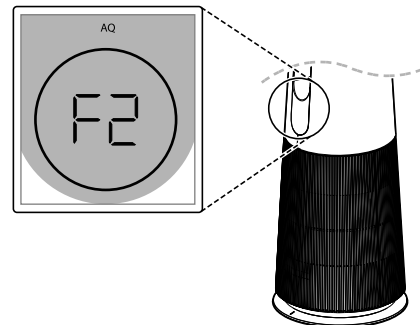
NOTE

- Auto Fan can be used with the **Wide Mode**.

Natural Wind Mode

The fan speed changes to mimic a natural breeze.

- When the **Natural Wind Mode** is selected, **F2** is displayed briefly on the status display.



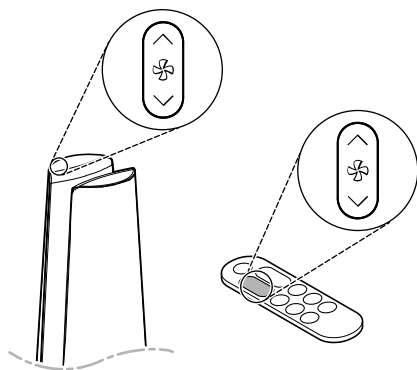
NOTE

- When you adjust the fan speed while operating in **Natural Wind Mode**, the operating mode changes to **Wide Mode**.

Adjusting the Fan Speed

Press the **Speed** button to control the fan speed of the air purifier.

- Press the **Speed** button during operation to change the speed in the order of **Auto (Au)** → **Level 1 - Level 10** → **Turbo (Po)**.



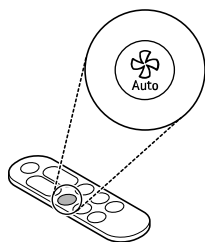
NOTE

- When you press the **Speed** button during heating, the fan speed changes in the order of **Auto (Au)** ↔ **Level 1 - Level 10**.
- As the fan speed gets higher the air may become cooler.
- The higher the fan speed, the higher the purification rate in the operating space.

Auto Fan

The fan speed is adjusted automatically according to the air quality level of the indoor air.

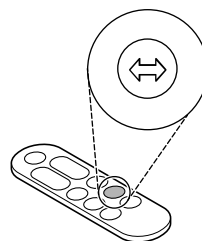
- Press the **Auto Fan** button during operation to use the Auto Fan function.
- Au** is displayed briefly on the status display.



Rotation

Sets the rotation of the air purifier.

- Press the **Rotation** button during operation to change the rotation in the order of **45°** → **60°** → **90°** → **140°** → **Stop (OF)**.



NOTE

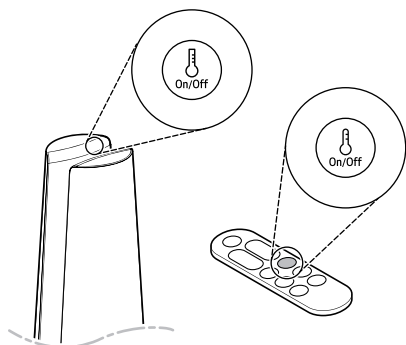
- The air purifier rotates at 140° during the initial rotation and starts rotating from the center of the product after position initialization.
- To turn off the rotation function, press the **Rotation** button.
- If a function is changed while using rotation, the rotation stops for a while so that you can check the display status. The rotation starts again after the setting is completed.
- While using rotation: If you turn off the product, the product stops after rotating to its center.
- While not using rotation: When you turn off the product, the product turns off in its stationary position.
- The product rotates based on its center.
(For the center of the product, refer to **Product Overview** and **Front**.)
- Do not hold the product and rotate it forcibly.
- If you have forcibly rotated the product, the center of the product should be reset.
- To align its center, turn the product off, unplug it, wait a few minutes, and plug it back in.
When you use rotation, the product's center is then initialized automatically.
- If you rotate the product manually, a noise may occur during initial rotation.
 - After the product rotates once, it will operate normally.
- Rotation works the same even during heating.

Heating

Sets the heating operation of the air purifier.

- Press the **Heating** button during operation to set heating.

- During heating, only the **Wide Mode** can be used.



⚠ WARNING

- Some parts of this product become very hot and may cause burns.

⚠ CAUTION

- During heating, be careful not to use other electric heating appliances. If other electric heating appliances are used at the same time during heating, the circuit breaker may trip.

NOTE

- Press the **Target Temperature Setting** button on the remote control to select a temperature from 60 °F to 86 °F (16 °C to 30 °C).
- When you start heating after installing the product for the first time, it operates at 86°F (30 °C) with the fan speed at level 5.
- If the current air temperature is higher than the target temperature, the product operates as follows:
 - The heater inside the product stops working.
 - The heating icon on the status display turns white.
- If the target temperature is set lower than the current air temperature when you start heating, the heating will be carried out for a set period of time. Then the product will operate at the target temperature, so heating may not be supplied. If heating is not supplied, set the target temperature higher than the current ambient air temperature.
- If the current ambient temperature is lower than the target temperature, the product operates as follows:
 - The heater inside the product starts working.
 - The heating icon on the status display turns red.

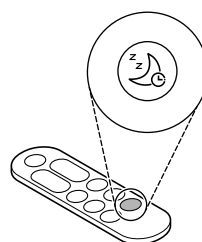
- Excessive electricity bills may result if heating is used for a long time. (Rated power consumption during is 1500 W.)
- When you stop and restart heating, the product starts at the last set temperature.
- Heating auto-block function: Heating can work continuously for up to 8 hours, but it turns off automatically after 8 hours of operation. To restart it, press the **Heating** button.
- Residual heat removal function: When you turn off the power during heating, the residual heat removal works to get rid of the residual heat inside the product.
 - The heating icon on the status display turns white.
 - Time counts down from 60 seconds (60 → 59 → 58.....2 → 1 → 0)
 - When the time reaches 0, the product turns off.
- During heating, there may be an odor from the heat generated in the air outlet. The odor will naturally disperse over time.
- The following types of noise are normal and do not indicate a malfunction:
 - Ticking, clicking, or popping noises may be generated from contraction and expansion due to temperature differences in the plastic.
 - Clanging or clanking noises may be generated from contraction and expansion due to the temperature differences in the heater.
 - Clunking noises may be generated by the heater switch operating during heating.

Using the Extra Functions

Setting the Sleep Timer

Set the timer to turn the product off automatically after a specific time.

- Press the **Sleep Timer** button during operation to set the sleep timer in the order of **1H (turn off 1 hour later) ~ 12H (turn off 12 hours later) → OF (cancel)**



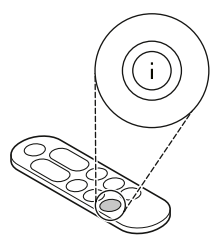
NOTE

- When the sleep timer is set, the product stops rotating and the display brightness is set to level 1. (However, if the display brightness is set to Off before the sleep timer is set, the screen brightness will remain OFF.)
- When the sleep timer is set, the fan speed is automatically adjusted to maintain quieter operation and avoid disturbing your sleep.
- You can change the fan speed, display brightness, and rotation even while the sleep timer is set.
- To cancel the sleep timer once it's set, press the **Sleep Timer** button on the remote control once again.

Setting the Standby Screen

The screen displays a variety of indoor air information.

- Press the **Information Display** button on the remote control to set the desired standby screen in the order of **Air Quality** → **PM10** → **PM2.5** → **PM1.0** → **Room Temperature** → **Room Humidity**.



Standby Screen Information	Contents	Example
Air Quality	Displays the status of overall air quality.	
PM10	Displays PM10 (fine dust) information.	

Standby Screen Information	Contents	Example
PM2.5	Displays PM2.5 (ultra-fine dust) information.	
PM1.0	Displays PM1.0 (super ultra-fine dust) information.	
Room Temperature	Displays indoor temperature information.	
Room Humidity	Displays indoor humidity information.	

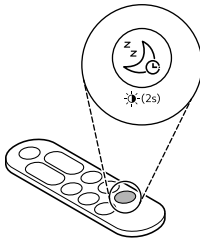
Celsius to Fahrenheit Conversion Table

Celsius	Fahrenheit
40 °C	104 °F
35 °C	95 °F
30 °C	86 °F
25 °C	77 °F
20 °C	68 °F
15 °C	59 °F
10 °C	50 °F
5 °C	41 °F
0 °C	32 °F

Setting Display Brightness

Adjusts the display brightness of the status display.

- Press the **Sleep Timer** button on the remote control for 2 seconds during operation to change the display brightness in the order of **3 (bright)** → **2 (medium)** → **1 (dim)** → **OF (Off)**.



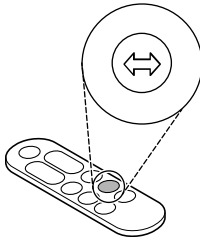
NOTE

- If you press the button while the display brightness is set to Off, the screen brightness is set to **1 (dim)** for a moment and then the screen turns off.

Setting Product Sound

Turns the product's button sounds and notification sounds on or off.

- Press the **Rotation** button on the remote control for 2 seconds to set the product sound.



Overall Air Quality

Understanding Overall Air Quality

The overall air quality is calculated based on the concentration of particulates and is categorized in 4 levels based on the level of pollution in the air. (Green, Yellow, Orange, and Red)

Color	Overall air quality	Concentration of PM (µg/m ³)		
	Status	PM10	PM2.5	PM1.0
Red	Poor	255 or more	56 or more	56 or more
Orange	Unhealthy	155 ~ 254	36 ~ 55	36 ~ 55
Yellow	Moderate	55 ~ 154	13 ~ 35	13 ~ 35
Green	Good	54 or less	12 or less	12 or less

NOTE

- Overall air quality is determined based on the concentration of particulate matter (PM).
- PM concentration values are based on the data sheet provided by the sensor manufacturer.
- The PM concentration measurement was tested using LG Electronics' standard test materials.
- Differences in PM concentration values may be the result of different methods of measuring or differences in the actual PM concentration levels.
 - If the PM concentration is high, there may be a larger difference between the displayed concentration and the actual concentration.

SMART FUNCTIONS

LG ThinQ Application

The **LG ThinQ** application allows you to communicate with the appliance using a smartphone.

LG ThinQ Application Features

Smart Diagnosis

If you experience a problem while using the appliance, this **Smart Diagnosis** feature will help you diagnose the problem.

Settings

Allows you to set various options on the appliance and in the application.

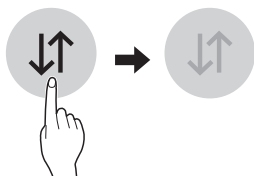
NOTE

- In the following cases, you must update the network information for each appliance in the **LG ThinQ** application under **Device Cards** → **Settings** → **Change Network**.
 - wireless router is changed
 - wireless router password is changed
 - Internet service provider is changed
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

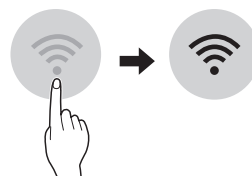
Before Using LG ThinQ Application

This feature is only available on models with Wi-Fi function.

- 1 Check the distance between the appliance and the wireless router (Wi-Fi network).
 - If the distance between the appliance and the wireless router is too far, the signal strength becomes weak. It may take a long time to connect or installation may fail.
- 2 Turn off the Mobile data or Cellular Data on your smartphone.



- 3 Connect your smartphone to the wireless router.



NOTE

- To verify the Wi-Fi connection, check that the Wi-Fi  icon on the status display is lit.
- **The appliance supports 2.4 GHz Wi-Fi networks only.** To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- **LG ThinQ** is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.
- If the appliance cannot be connected due to problems with the wireless signal transmission, unplug the appliance and wait about a minute before trying it again.
- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to WEP, the network setup may fail. Change the security protocol (WPA2 is recommended) and connect the product again.

Installing the LG ThinQ Application

Search for the **LG ThinQ** application from the Google Play Store or Apple App Store on a smartphone. Follow instructions to download and install the application.

Radio Equipment Specifications

Type	Operating Frequency Range	Output Power (Max.)
Wireless LAN	2400 MHz - 2472 MHz	< 1 W
Bluetooth†	2400 MHz - 2483.5 MHz	

† This feature is only available on some models.

FCC Notice

The following notice covers the transmitter module contained in this product.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the antenna and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

Open Source Software Notice Information

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit <https://opensource.lge.com>.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

Smart Diagnosis

Use this feature to help you diagnose and solve problems with your appliance.

NOTE

- For reasons not attributable to LGE's negligence, the service may not operate due to external factors such as, but not limited to, Wi-Fi unavailability, Wi-Fi disconnection, local app store policy, or app unavailability.

- The feature may be subject to change without prior notice and may have a different form depending on where you are located.

Using LG ThinQ to Diagnose Issues

If you experience a problem with your Wi-Fi equipped appliance, it can transmit troubleshooting data to a smartphone using the **LG ThinQ** application.

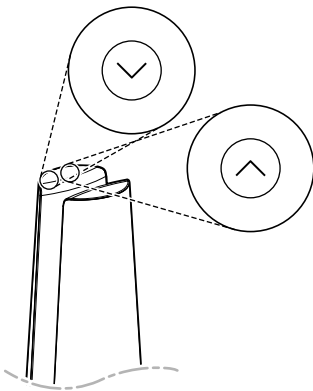
- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions provided in the **LG ThinQ** application.

Using Audible Diagnosis to Diagnose Issues

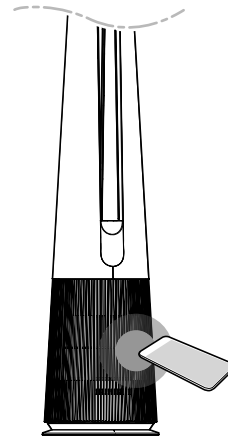
Follow the instructions below to use the audible diagnosis method.

- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions for audible diagnosis provided in the **LG ThinQ** application.

- 1 Press and hold the **Speed Up** and **Speed Down** buttons for 3 seconds to execute the **Smart Diagnosis** function.



- 2 Place your smartphone near the product.
 - Make sure the microphone of the smartphone faces the front of the product.



- 3 When data transmission is complete, the smart diagnosis result will be displayed on the **LG ThinQ** Application.

NOTE

- For accurate diagnosis, do not move the smartphone away from the product until the beeping stops.
- Keep quiet around the product during **Smart Diagnosis**.

MAINTENANCE

Maintaining the Product

Scheduled Maintenance

⚠ WARNING

- Stop the appliance operation and unplug the power cord before cleaning and replacing the filter.
- Do not spray water directly on the appliance.

Component	Cleaning frequency	Replacement frequency
 Filter	Ultra-fine filter Clean filter as needed	1 year

NOTE

- The color of the filter may vary depending on the usage environment and color of dust.
- The cleaning frequency may vary depending on the operating hours and environment of the appliance.
- If you do not clean the product according to the cleaning frequency, you may experience a bad odor and poor performance.
- The filter must be replaced at the end of its lifespan, and the cost of replacement filters is not covered under the warranty. To purchase new filters, contact an LG Electronics Customer Information Center or visit the website at www.lg.com
- The upper and lower parts of the filter are made of paper instead of plastic. Repeated removal of the filter may cause scratches on the top and bottom of the filter.
- Scratches on the top and bottom of the filter will not affect its performance.

Alerts on the Status Display

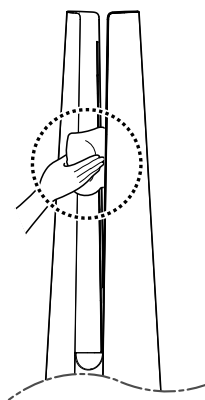
Alert	Measures
	Replace the filter.

NOTE

- Filter replacement alerts appear based on the maximum usage time, taking into account the operating hours of the appliance. The replacement frequency is determined by the operating hours and environment.

Cleaning the Exterior

- 1 Remove dust from the air inlet using a vacuum cleaner.
- 2 Wipe the air outlet and the exterior of the product with a soft cloth.



⚠ CAUTION

- If the heater was used, make sure the product is cool before handling it.
- Do not wipe the appliance with an alkaline detergent.
- Never use sulphuric acid, hydrochloric acid or organic solvent (e.g., thinner, kerosene and acetone) to wipe the appliance exterior, or affix labels on the exterior. Doing so may damage the product surface.
- Care should be exercised to prevent water from flowing into the product.

NOTE

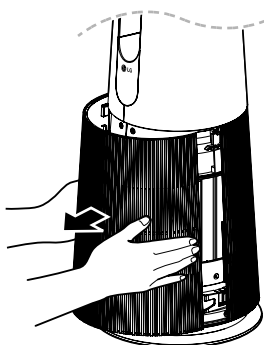
- If dust on the front and rear covers cannot be removed, disassemble the covers and clean them with water. After cleaning, dry the covers thoroughly in the shade.

- If fingerprints or dust on the front and back covers are difficult to remove, wipe them off with a microfiber cloth moistened with alcohol.

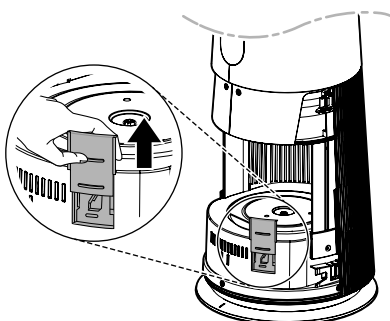
Cleaning the Particle Sensor

The PM1.0 (super ultra-fine dust) sensor detects fine dust and large dust contamination levels. So for best results clean the lens periodically, at least once every 2 months.

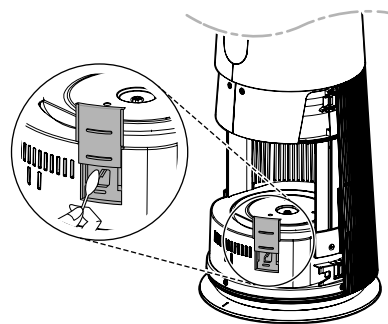
- 1 Facing the front of the product, hold and gently pull both sides of the air inlet (cover) to remove it.
 - The side with the LG logo on the display is the front of the product.



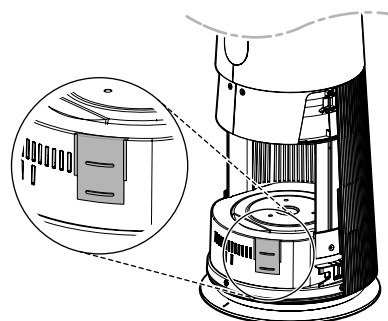
- 2 Push the sensor cover up.



- 3 Clean the lens with a cotton swab soaked with water and dry it off with a dry cotton swab.



- 4 Close the sensor cover.

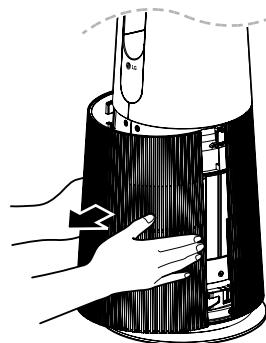


NOTE

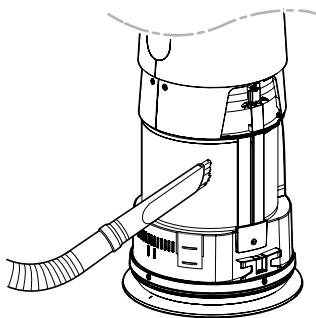
- Do not wipe the sensor with any substances other than water. Doing so may cause the appliance to malfunction.
- When opening or closing the sensor cover, a sound caused by friction may be heard.

Cleaning the Filters

- 1 Remove the front and rear covers from the product.
 - Facing the front of the product with the LG logo, hold and gently pull both sides of the cover on top of the air inlet (cover) to remove it. Repeat to remove the back cover.



- 2** Using a vacuum cleaner or soft brush, remove any dust from the ultra-fine filter surrounding the filter.

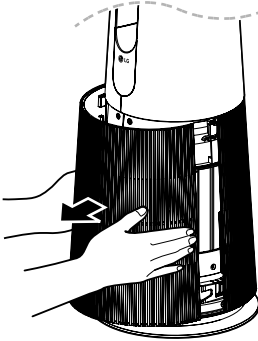


⚠ CAUTION

- Do not clean the filter with water. The service life of the filter may be reduced.
 - Be careful not to damage the ultra-fine filter when using a vacuum cleaner.
 - Take caution because there is a risk of tearing or loss when removing or assembling the ultra-fine filter.
 - Take care to avoid getting liquid on the filter, as it may damage the filter.
-

Replacing the Filters

- 1 Remove the cover of the product, and replace the filter.
 - To avoid spreading dust when replacing the filter, place newspaper on the floor before you remove the filter.



- 2 When you finish replacing the filter, turn off the Filter Replacement Notification.

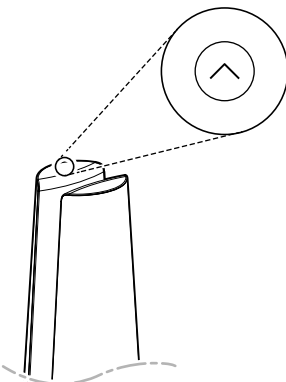
NOTE

- The Filter Replacement Notification is turned on according to the maximum period of use, considering the operating time of the product. The replacement interval may vary depending on the hours of use and the environment.

Turning off Filter Replacement Notification

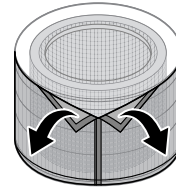
Press and hold the **Speed Up** button on the control panel for 3 seconds.

 (Filter Replacement Notification) on the status display is turned off and the time for the Filter Replacement Notification is reset.



Replacing the Ultra-Fine Filter

To replace the ultra-fine filter, locate the Velcro and separate it slowly and carefully to remove the ultra-fine filter.



Storage

Storing the Product

If the product will not be used for a long period of time, store it in a dry and shaded place.

- 1 Operate the product for one hour or more on a fine day.
- 2 Turn off the power and unplug the product from the electrical outlet.
 - Wind the power cord around the bottom of the appliance.
- 3 Pack the appliance to prevent dust or foreign substances from entering the appliance. Store the packed appliance out of direct sunlight.



CAUTION

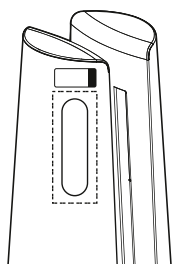
- Do not store the appliance in a humid location or in an area exposed to direct sunlight.

CAUTION

If you do so, the appliance may be deformed, malfunction or generate odor.

Storing the Remote Control

If you are not going to use the remote control for an extended period of time, remove the battery and store the remote control after attaching it to the product.



- Attach the front part of the remote control under the remote control attachment location label.

TROUBLESHOOTING

Before Calling for Service

Please check the following before calling for service. If the problem persists, contact your local service center.

Operation

Problem	Possible Cause & Solution
The product does not power on.	Is the power plug disconnected? Connect it to an outlet correctly.
	Did the electricity get cut off? Check the power to other products in the house.
A noise occurs and the fan speed is low.	Has dust accumulated in the ultra-fine filter? Clean the ultra-fine filter.
	Has dust accumulated in the filter? Replace the filter.
Air purification is not done properly.	Is the indoor pollution severe? Ventilate indoors before using the product.
	Has dust accumulated in the ultra-fine filter? Clean the ultra-fine filter.
	Has dust accumulated in the filter? Replace the filter.
	Are you using it in a place that is too spacious or too open? - Use a product that suits the size of the room. - Avoid well-ventilated places such as doors, windows, etc.
	Is there an obstacle nearby? Remove any nearby obstacles before operating the product.
	Is the product installed in a corner? Move the product and reinstall it.

Status Display

Problem	Possible Cause & Solution
The color of the overall air quality is continuously red.	Does the color not change even if it is moved to a clean room? Remove the power plug from the outlet and reconnect after 1 minute.
	Did you use a spray near the product? Do not use a spray near the product.
The concentration of PM does not change.	Is the product used in a closed space? In a closed space, the displayed air quality level may continue unchanged.
The concentration of PM continues to be high.	Does the air continue to flow in from the outside to the location where the product is installed? In an environment where air flows in from the outside, the concentration level may continue to be high.

Problem	Possible Cause & Solution
The level of the concentration of PM displayed on the product is different from that in the LG ThinQ application.	Are you looking at the same type of dust particle? - Check if the indication of PM1.0 (super ultra-fine dust), PM2.5 (ultra-fine dust) and PM10 (fine dust) matches between the LG ThinQ application and the product. - Due to a difference in update time between the LG ThinQ application and the product, the level displayed in real time may differ.
Nothing comes on the screen.	Is the display brightness set to OFF? To change the display brightness, press and hold the Sleep Timer button on the remote control for 2 seconds.
The temperature and humidity displayed are different from those displayed by other products.	Does the air continue to flow in from the outside to the location where the product is installed? - In an environment where air flows in from the outside, the temperature and humidity may change continuously. - The temperature and humidity may vary depending on the structure of the surrounding environment, such as doors, windows, and ventilation ducts. - The temperature and humidity may vary depending on air circulation even in the same space. Also, the temperature and humidity may differ from the temperature and humidity measured by other products and thermo-hygrometers.

Odor

Problem	Possible Cause & Solution
A strange odor comes out of the air outlet as well as the filter.	Was the product purchased recently? This is the odor of activated charcoal, and is not harmful. This is similar to the odor you may experience in a brand new car. It will go away within a day following use.
	Is the product used in a place where there is lots of smoke or odors? If the air purifier is operated after an air freshener, diffuser, or scented candle has been used, or interior work or wallpaper replacement have occurred, the filter may absorb and emit an odor. Ventilate the room first before using the product.
	Does the filter have a bad smell? The filter replacement cycle may vary depending on the usage environment. If there is an odor, replace the filter with a new one.
	Is it in an environment in which food is prepared? - If you use the product for a long period of time where you cook or broil fish/meat, the filter lifespan may be significantly decreased. - If possible, open a window for ventilation while cooking, and use the product to remove any odors left following ventilation.
	Is it a humid environment? The filter may emit an odor if used in a humid environment. Dry the filter in sunlight before use.

LG ThinQ

Problem	Possible Cause & Solution
The product and the smartphone cannot be connected through Wi-Fi.	Is the Wi-Fi password used to connect to the smartphone correct? Press the Settings button on your smartphone, and then find your Wi-Fi in the network list. Press and hold the button to select [Clear Network], and then proceed with product registration again from the beginning.

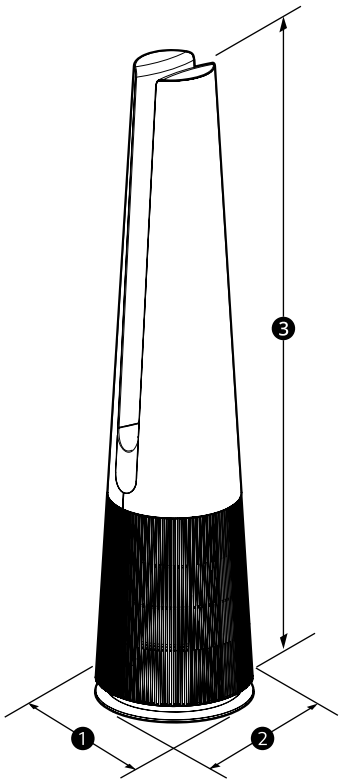
Problem	Possible Cause & Solution
The product and the smartphone cannot be connected through Wi-Fi.	Is your smartphone using mobile data rather than Wi-Fi? • In the smartphone's settings, turn off Mobile Data, turn on Wi-Fi, and then register the product.
	Does the name (ID) of the wireless router contain special characters? • Set the name (ID) of the wireless router as a combination of numbers and English letters. Wi-Fi connection may be difficult if you enter special characters.
	Is the frequency of the wireless router not 2.4 GHz? • When connecting the product via Wi-Fi, only a 2.4 GHz network can be used. Set the wireless router to 2.4 GHz and then connect. To check the frequency of your wireless router, contact your Internet carrier or router manufacturer.
	Are the product and the wireless router too far apart? • If the distance between the product and the wireless router is too great, the wireless signal may be weak, and the connection may not be smooth. Move the wireless router closer to the product.

APPENDIX

Information

APPLIANCE SPECIFICATIONS

- Appearance and specifications may vary without notice to improve the quality of the appliance.



Name	U10CS1H
Power	AC 115 V~ 60 Hz
Exterior Dimensions (1 x 2 x 3)	10.4" x 10.4" x 44.1" (265 mm x 265 mm x 1120 mm)

Coin/Button Cell Battery

FOR ENGLISH/PARA INGLÉS

 WARNING	
• INGESTION HAZARD: This product contains a button cell or coin battery. • DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH of CHILDREN. • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

FOR SPANISH/PARA ESPAÑOL

 ADVERTENCIA	
• PELIGRO DE INGESTIÓN: Este producto contiene una batería tipo botón o tipo moneda. • Puede ocurrir la MUERTE o lesiones graves si se ingiere. • Una batería tipo botón o tipo moneda ingerida puede provocar Quemaduras Químicas internas en tan solo 2 horas. • MANTENGA las baterías nuevas y usadas FUERA DEL ALCANCE de LOS NIÑOS. • Busque atención médica inmediata si se sospecha que se ha tragado o insertado dentro de cualquier parte del cuerpo una batería.	

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do not dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Compatible battery type (CR2025).
- Nominal battery voltage: 3 V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above temperature rating 212 °F or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

LIMITED WARRANTY

USA

ARBITRATION NOTICE:

THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG ELECTRONICS ("LG") TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

WHAT THIS WARRANTY COVERS:

Should your LG Air Purifier ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG will, at its option, repair or replace the Product. This limited warranty is valid only to the original retail purchaser of the Product ("You") and applies only when purchased lawfully and used within the United States including U.S. Territories.

NOTE

- Replacement Products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
 - Replacement Products and parts may be new, reconditioned, refurbished, or otherwise factory remanufactured.
 - Replaced Product or part(s) will be the property of LG.
 - Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this limited warranty.
-

INFORMATION

WARRANTY PERIOD:

One (1) year from the date of original retail purchase, or from the date of delivery as per applicable law:
Any internal/ functional Parts and Labor

HOW SERVICE IS HANDLED: In-Home Service

In-home service will be provided during the warranty period subject to availability within the United States. In-home service may not be available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair cannot be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, LG may elect, at our option, to provide for transportation of our choice to and from an LG authorized service center.

EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THE PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE LIMITED WARRANTY. UNDER NO CIRCUMSTANCES SHALL LG OR ITS U.S. DISTRIBUTORS/ DEALERS BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST GOODWILL,

LOST REVENUES OR PROFITS, WORK STOPPAGE, IMPAIRMENT OF OTHER GOODS, COST OF REMOVAL AND REINSTALLATION OF THE PRODUCT, LOSS OF USE, OR ANY OTHER DAMAGES WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. LG'S TOTAL LIABILITY, IF ANY, SHALL NOT EXCEED THE PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, or install, educate how to operate, correct wiring, or correct unauthorized repairs.
- Damage or failure of the Product to perform during power failures and interrupted or inadequate electrical service.
- Damage or failure of the Product caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage or failure of the Product resulting from operating the Product in a corrosive atmosphere or contrary to the Product owner's manual.
- Damage or failure of the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of nature, or any other causes beyond the control of LG.
- Damage or failure of the Product caused by unauthorized modification or alteration, or if the Product is used for other than the intended purpose, or any water leakage where the Product was not properly installed.
- Damage or failure of the Product caused by incorrect electrical current, voltage, or plumbing codes.
- Damage or failure of the Product caused by transportation, storage, and/or handling, including scratches, dents, chips, and/or other damage to the finish of the Product, unless such damage is reported within one (1) week of delivery.
- Damage or failure of the Product resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes the use of parts not authorized by LG. Improper installation or maintenance includes installation or maintenance contrary to the Product owner's manual.
- Damage or failure of the Product caused by the use of parts, components, accessories, consumable cleaning products, or any other products or services that were not authorized by LG.
- Damage or missing items to any display or open box Product.
- Refurbished Product or any Product sold "As Is", "Where Is", "With all Faults", or similar disclaimer.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined.
- Increases in utility costs and additional utility expenses.
- Any noises associated with normal operation.
- Products used for other than normal and proper household use (e.g., commercial or industrial use) or contrary to the Product owner's manual.
- Costs associated with removal and reinstallation of the Product for repairs, or the removal and reinstallation of the Product if it is installed in an inaccessible location or not installed in accordance with the Product Owner's manual.
- Accessories, removable components, or consumable parts (e.g. Shelves, door bins, drawers, water/air filters, racks, light bulbs, batteries, etc., as applicable), except for internal/functional parts covered under this limited warranty.
- Replacing house fuses or resetting of circuit breakers, correction of house wiring or plumbing, or correction of product installation.

The cost of repair or replacement under these excluded circumstances shall be borne by You.

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION

Call 1-800-243-0000 and select the appropriate option from the menu. Or visit our website at <http://www.lg.com>

Or by mail: LG Customer Information Center (ATTN: CIC) 201 James Record Road, Huntsville, AL 35824

FOR YOUR RECORDS

Write the model and serial numbers here:

Model No.	
Serial No.	

- This information is located on a label on the side of the unit.

Dealer's Name	
Date Purchased	

- Staple your receipt to this page in the event you need it to prove date of purchase or for warranty issues.

PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

Definitions. For the purposes of this section, references to “LG” mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to “dispute” or “claim” shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

Notice of Dispute. In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department-Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

Agreement to Binding Arbitration and Class Action Waiver. Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person’s or entity’s product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

Arbitration Rules and Procedures. To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association (“AAA”) and will be conducted before a single arbitrator under the AAA’s Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the “AAA Rules”) and under the procedures set forth in this section. The AAA Rules are available online at www.adr.org/consumer. Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department-Arbitration 111 Sylvan Avenue, Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator’s award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

Governing Law. The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

Fees/Costs. You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys’ fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys’ fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise

provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

Hearings and Location. If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

Opt Out. You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to optout@lge.com, with the subject line: "Arbitration Opt Out" or (ii) calling [1-800-980-2973](tel:1-800-980-2973). You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing <https://www.lg.com/us/support> and clicking on "How do I find my model number?").

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.



LG Electronics USA, Inc.
111 Sylvan Avenue, Englewood Cliffs, NJ 07632

LG Customer Information Center	Centro de Información al Cliente LG	Centre de Service à la Clientèle de LG
For inquiries or comments, visit www.lg.com or call: 1-800-243-0000 U.S.A. 1-888-542-2623 CANADA	Para consultas o comentarios, visite www.lg.com o llame por teléfono: 1-800-243-0000 EE.UU. 1-888-542-2623 CANADÁ	Pour des questions ou des commentaires, visitez www.lg.com/ca_fr ou appelez : 1-800-243-0000 ÉTATS-UNIS 1-888-542-2623 CANADA
Register your product Online!	¡Registre su producto en línea!	Enregistrez votre produit en ligne!
www.lg.com	www.lg.com	www.lg.com/ca_fr