



## OWNER'S MANUAL

# AIR PURIFIER

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

AS330D Series

ENGLISH



MFL70445425  
Rev.01\_102920

[www.lg.com](http://www.lg.com)

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This manual may contain images or content different from the model you purchased. This manual is subject to revision by the manufacturer.

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## 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.

 This symbol is displayed to indicate matters and operations that can cause risk. Read the text marked with this symbol carefully and follow the instructions in order to avoid risk.

### **WARNING**

This indicates that failure to follow the instructions can cause serious injury or death.

### **CAUTION**

This indicates that failure to follow the instructions can cause minor injury or damage to the product.

## IMPORTANT SAFETY 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:**

### Children in the Household

- 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.

## 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 touch the power plug with wet hands.
- 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.
- 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 may not be loosened when the cable is pulled.
- Make sure that the power cable cannot be pulled out or damaged during operation.
- 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.
- 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.
- If there is a gas leakage (isobutane, propane, LNG, etc.), do not touch the product or power plug and ventilate the area immediately.
- Do not clean the appliance with brushes, cloths or sponges which are abrasive or made of metal.
- If you detect any abnormal noise, odor or smoke, unplug the product immediately and contact an LG Electronics Customer Information Center.
- Only an authorized repair person should disassemble, repair, or modify the appliance.
- Do not use or store fire, combustibles (ether, benzene, alcohol, drugs, propane, butane, combustible spray, insecticide, air freshener, cosmetics, etc.) or flammable materials (candles, lamps, etc.) near the product.
- Do not place the power cord under rugs, carpeting or mats.
- 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 install and use broken parts.
- Do not put flammables into the appliance.
- 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.
- The fan is not a toy. It should not be played with or placed where young children can reach it.

## **Maintenance**

- Dispose of the packing materials (vinyl, styrofoam, etc.) to keep them out of 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.

## **Battery**

- A button/coin-shaped battery is used in the remote controller of the appliance. If you accidentally swallow the battery, consult a doctor immediately for emergency treatment. If you fail to receive first aid within 2 hours after you swallow the battery, you may experience damage to your internal organs or death in severe cases.
- Do not swallow the battery.
- If the battery tray is not secured firmly, stop using the remote immediately and keep it away from children.

** 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 Deodorizing Care filter and True HEPA filter are assembled together. Do not try to detach them from each other.
- Do not insert any objects into the clean booster.
- Do not operate the product while the clean booster cover and grille are separated.
- Do not insert hands or metal objects into the moving parts of the clean booster.
- Do not press multiple buttons at the same time on the remote controller.
- Do not kick or step on the remote controller.
- Do not use the remote controller near water or in areas with high humidity.
- Do not expose the remote controller to fire or high temperatures.

## **Maintenance**

- Do not use strong detergents or solvents to clean the product. 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.

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

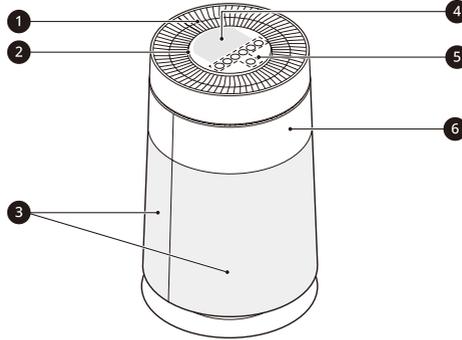
## **Battery**

- 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 controller for a long time.

- The appearance or components of the appliance may differ depending on the model.

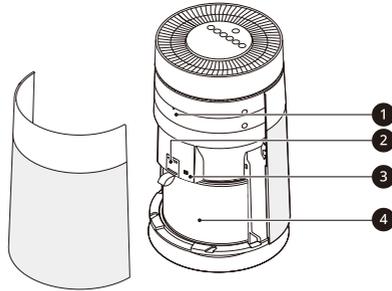
## Parts and Specifications

### Front View



- 1 Air outlet/Clean booster**
  - Discharges purified air through the filter.
  - Control the airflow so that it reaches every corner of the room.
- 2 Air quality light**
  - Uses colored light to indicate the overall air quality.
- 3 Air inlet**
  - The front and rear covers can be removed separately.
- 4 Status display panel**
  - Indicates appliance settings and air quality.
- 5 Control panel**
  - Set or adjust appliance functions.
- 6 Receiver for remote controller signal**

## Rear View



### 1 Smart Diagnosis speaker

- In the event of a malfunction or failure, you can use the Smart Diagnosis option to help you troubleshoot the appliance.

### 2 PM1.0 (particles with a diameter between 1.0 and 2.5 micrometers) sensor

- Detects the concentration of particulates in the air.

### 3 Odor (Gas) sensor

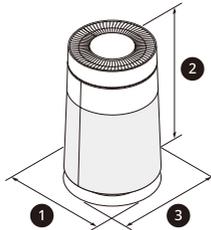
- Detects airborne odors.

### 4 Filter

- Minimizes allergens, fine particulates, possible sources of sick house syndrome, smog, and other odors.

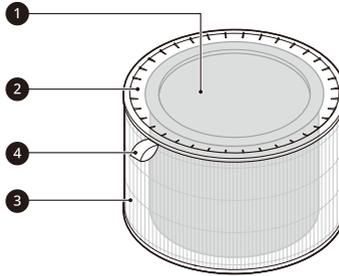
## Specifications

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



<b>Model</b>	AS330D Series
<b>Power</b>	115 V~, 60 Hz
<b>Exterior dimensions</b> (1 x 2 x 3)	When the clean booster is not running: 13.5 x 23.1 x 13.5 inches (343 x 587 x 343 mm)
	When the clean booster is running: 13.5 x 32.4 x 13.5 inches (343 x 824 x 343 mm)

## Filter System



### 1 Deodorizing Care filter

- Minimizes odors from the bathroom, cigarettes, food and other common sources.

### 2 True HEPA filter

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

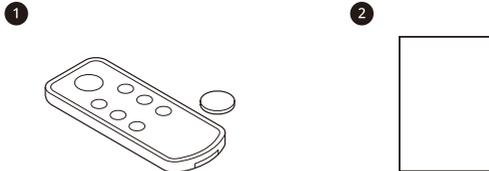
### 3 Ultra-fine filter

- Minimizes large particles floating in the air.

### 4 Filter handle

- Helps when removing the filter from the appliance.

## Components



### 1 Remote controller / Battery (CR2025, 1 Unit)

### 2 Owner's manual

- The remote controller may not be included depending on the model.

## Unpacking the Appliance

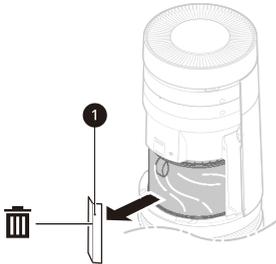
Unpack the appliance and remove any packing tape or vinyl before using the appliance.

## Removing the Filter Packaging

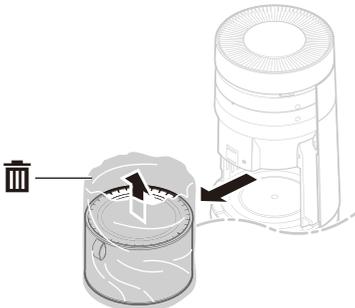
- 1 Remove the rear cover by gently pulling the top of the cover at the sides until it separates from the appliance. Lift the cover to remove it from the base.
  - The rear cover has “PM1.0 & GAS SENSOR” printed on it.



- 2 Remove and dispose of the cardboard support piece (1) located by the filter inlet.



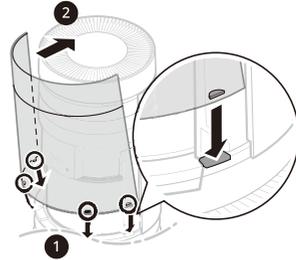
- 3 Slide the filter out and remove it from its packaging.



- 4 Install the filter in the appliance.
  - Make sure that the handle Insert space before parenthesis. (1) is at the top of the filter.



- 5 Insert the tabs at the bottom of the cover into the slots in the base of the appliance and close the cover.



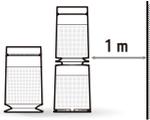
### NOTE

- Remove the support and packaging prior to use to prevent product malfunction.
- Install the filter with the handle at the top to avoid product malfunction or failure.

# Installation Location Requirements

## Installation Location

Allow a 3 1/4 ft (1 m) clearance between the appliance and surrounding surfaces or objects. The air inlet needs space to function properly.



The performance of the appliance may differ depending on surrounding conditions such as temperature and humidity.

- 40–70 % humidity level is recommended for optimal performance.

# Transportation Requirements

## Transporting the Appliance

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.

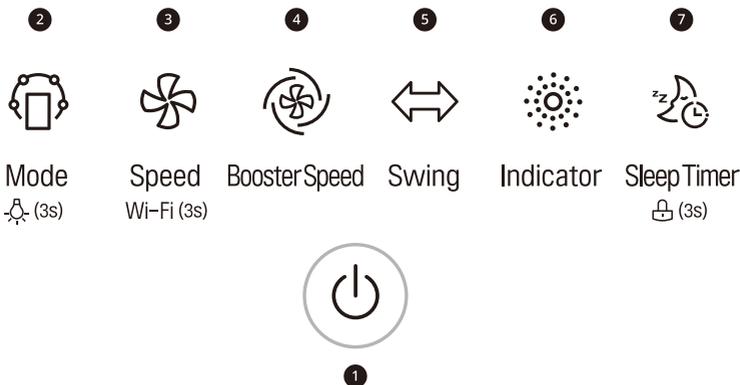
Do not hold the outer cover when you carry the appliance. The cover may open accidentally, causing the appliance to drop. Dropping the appliance may cause personal injury or appliance malfunction.

- **Single model:** Hold the bottom of the product with both hands to move the product safely.

- The appearance or components of the appliance may differ depending on the model.

## Control Panel

### Control Panel Features



#### 1 Power Button

#### 2 Mode Button

Sets the operating mode.

- Press and hold the button for 3 seconds to turn on/off the air quality light.

#### 3 Speed Button

Adjusts the fan speed.

- Press and hold the button for 3 seconds to activate the Wi-Fi connection mode.
- **Wi-Fi function**
  - Before appliance connection: Press and hold the button for 3 seconds to activate the Wi-Fi connection mode. (It will turn off automatically after 10 minutes.)
  - After appliance connection: Press and hold the button for 3 seconds to control the appliance from the LG ThinQ smartphone app.

- Wi-Fi function off: Press and hold the **Power** button and the **Speed** button at the same time for 3 seconds.

#### 4 Booster Speed Button

Press to adjust the fan speed of the clean booster.

#### 5 Swing Button

Turns the clean booster left or right.

#### 6 Indicator Button

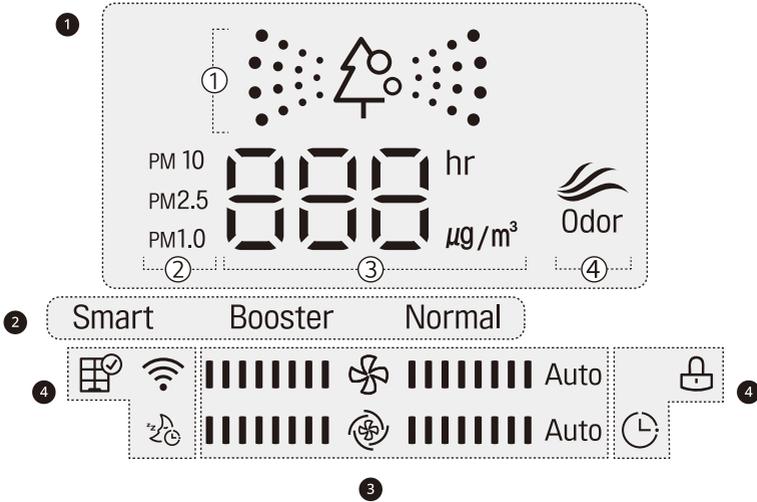
Shows the concentration of particulate matter by size of particulates.

#### 7 Sleep Timer Button

Schedules an automatic turn off time for the appliance.

- Press and hold for 3 seconds to lock or unlock the control panel buttons.

## Status Display Panel



### 1 Display of air quality

- ① Overall air quality (color)
- ② Particulate matter (color)
- ③ Concentration of particles or sleep timer time
- ④ Concentration of odour (color)

### 2 Displays operating mode

### 3 Displays speed and booster speed

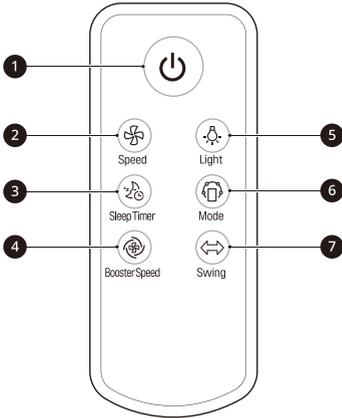
- ☪ Speed : Displays the air purifier's fan speed.
- ☪ Booster speed : Displays the clean booster's fan speed.

### 4 Icons

Icon	Description
	Lights up when it is time to replace the filter.
	Lights up when the Wi-Fi function is activated.
	Lights up when the sleep timer function is activated.
	Lights up when a schedule for turning on/off the appliance is set in the LG ThinQ application.
	Lights up when the control panel is locked.

# Remote Controller

## Remote Controller Features



- 1 **Power Button**
- 2 **Speed Button**  
Adjusts the fan speed of the product.
- 3 **Sleep Timer Button**  
Schedules an automatic turn off time for the appliance.
- 4 **Booster Speed Button**  
Adjusts the fan speed of the clean booster.
- 5 **Light Button**  
Turns the air quality light on/off.
- 6 **Mode Button**  
Sets the operating mode.
- 7 **Swing Button**  
Turns the clean booster left or right.

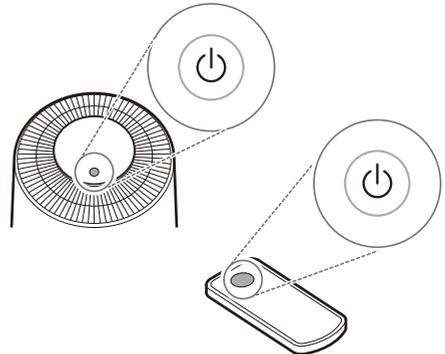
## NOTE

- If the battery runs out of charge, replace it with a new one (CR2025).
- If the remote controller does not work as expected, replace the battery or check the polarity (+, -) of the battery. If the problem continues, contact an LG Customer Information Center.
- To use the remote controller, point the transmitter on the remote controller at the receiver on the front of the appliance and press a button.
- The remote controller may not work if it is farther than 22.75 ft (7 m) from the front of the appliance.

## Getting Started

### Turning the Appliance On/Off

Press the **Power** button to turn the appliance on/off.



## NOTE

- The first time the appliance is turned on, it is set to **Booster** mode.
- If you experience a power outage, when power is restored the appliance starts in the last operating mode set.
- After startup, the sensor ready display( ) appears for 30 seconds.

## Using Operating Modes

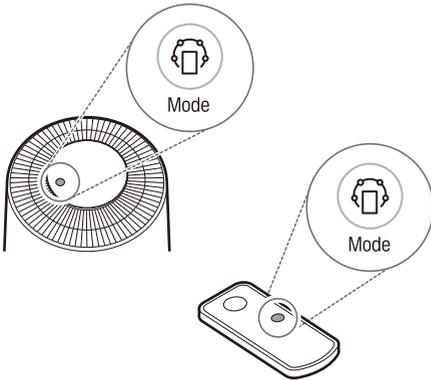
### Smart Mode

Select this mode to automatically adjust the operating mode and fan speed based on the overall air quality.

Press the **Mode** button to choose the **Smart** mode.

- Press the button repeatedly to change the operating mode in the following order:

**Smart → Booster → Normal.**



### NOTE

- While in **Smart** mode, the **Speed**, **Booster Speed** and **Swing** buttons do not work.

### Booster Mode

Select this mode to quickly clean the air and circulate it as far as possible.

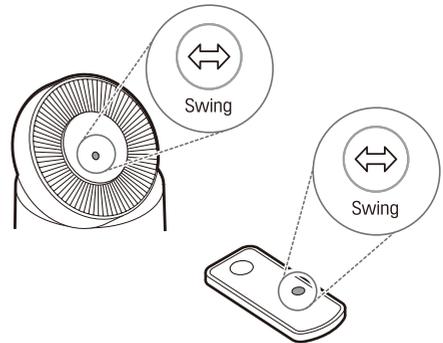
Press the **Mode** button to choose the **Booster** mode.

### NOTE

- If you happen to unplug the power cord from the outlet before the clean booster closes completely, plug in the cord again. The clean booster will swing left and right and then close completely.

### Rotating the Clean Booster

While in **Booster** mode, press the **Swing** button.



### Normal Mode

Select this mode for basic air purification and control over the fan speed.

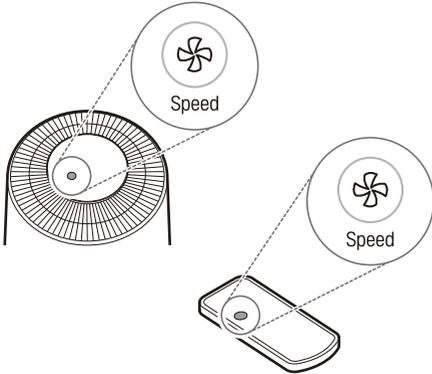
Press the **Mode** button to choose the **Normal** mode.

## Adjusting Fan Speeds

### Air Purifier Fan Speed

Press the **Speed** button during operation to adjust the fan speed on the air purifier.

- Each time you press the button, the speed changes in the following order:  
Auto → Low → Medium → High → Turbo.



### Fan Speed Display

The fan speed is displayed on the status display panel. As you adjust the fan speed, the display increases or decreases by 2 bars at a time.

**[Fan speed set to Medium]**



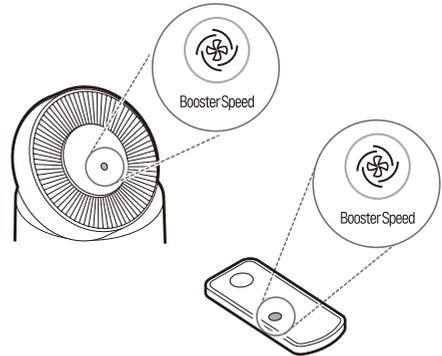
#### NOTE

- When the appliance is first turned on, the fan speed is set to Auto. Auto mode adjusts the fan speed automatically based on the indoor air quality.

## Clean Booster Fan Speed

To adjust the fan speed of the clean booster, press the **Booster Speed** button while the appliance is in **Booster** mode.

- Each time you press the button, the speed changes in the following order:  
Auto → Low → Medium → High → Turbo.



### Booster Speed Display

The booster fan speed is displayed on the status display panel. As you adjust the fan speed, the display increases or decreases by 2 bars at a time.

**[Booster fan speed set to Medium]**



#### NOTE

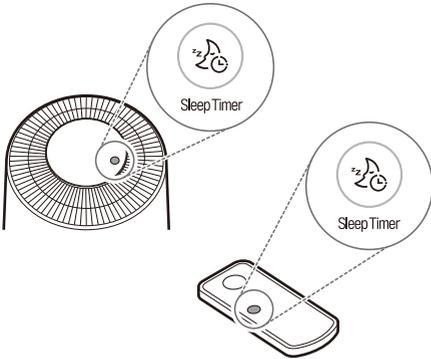
- If set to Auto, the clean booster fan speed adjusts based on the fan speed of the air purifier.

## Using Extra Functions

### Setting the Sleep Timer

Use this function to set an automatic stop time for the appliance.

To use the function, press the **Sleep Timer** button while the appliance is operating.



- Each time you press the button, the time until the appliance automatically shuts off changes in the following order:  
After 2 hours → After 4 hours → After 8 hours → After 12 hours → Cancel.
- Once the sleep timer is set, the status display panel displays only the sleep timer icon and a few other icons.

#### NOTE

- The speed is set to Low by default for a certain period of time. After the time passes, the speed is controlled automatically depending on the air quality.
- After the Sleep Timer is set, press the **Speed** button to manually change the fan speed.
- To check the set time after setting the **Sleep Timer**, press the Sleep Timer button.
- The sleep timer remains on even if the power goes off or if there is a power outage.

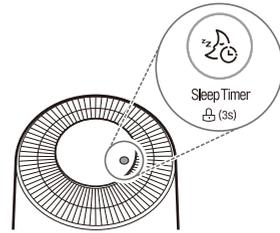
### Locking the Control Panel

Lock the control panel if you want to prevent accidental operation or keep children from changing the settings.

Press the **Sleep Timer** button for at least 3

seconds while the appliance is operating.

-  (Lock) is displayed on the status display panel.



#### NOTE

- Turn the Lock function off in the same way you turned it on.
- You can use the remote controller even when the control panel is locked.
- The control panel can be locked even when the appliance is not operating.

## Checking Air Quality

The overall air quality is indicated by the color of the air quality light and in the status display panel.

### Overview of the Air Quality

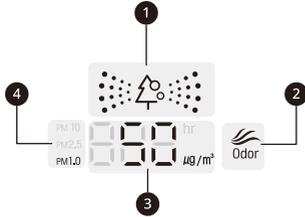
The overall air quality is calculated based on the concentrations of odors and particulates in the air and is categorized into 4 levels depending on these concentrations.

Colour	Overall Air Quality	Concentration of PM ( $\mu\text{g}/\text{m}^3$ )			Concentration of Odour	
	State	PM10 (coarse particles)	PM2.5 (fine particles)	PM1.0 (particles with a diameter between 1.0 and 2.5 $\mu\text{m}$ )	State	Level
Red	Very Bad	255 or more	56 or more	56 or more	Very strong	4
Orange	Bad	155 ~ 254	36 ~ 55	36 ~ 55	Strong	3
Yellow	Normal	55 ~ 154	13 ~ 35	13 ~ 35	Normal	2
Green	Good	54 or less	12 or less	12 or less	Weak	1

### NOTE

- The color of the air quality light is based on the worst level detected, whether odors or particulates.
- PM (particulate matter) concentration is displayed in increments of 1 unit, from 8 to 999. 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.

## Air Quality Details on the Status Display Panel



### 1 Overall Air Quality

The overall air quality is indicated by the color of the icon at the top of the status display panel.

### 2 Odor Concentration

The odor concentration is indicated by the color of the Odor icon on the status display panel.

### 3 PM Concentration

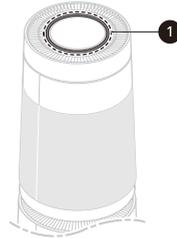
The particulate matter (PM) concentration is indicated in the PM concentration display and by the color of the PM size indicator. The number that appears in the display is the worst level detected among the PM10, PM2.5, and PM1.0 sensors.

### 4 PM Size

This display shows whichever PM size has the highest concentration. The color of the display indicates the PM concentration level only.

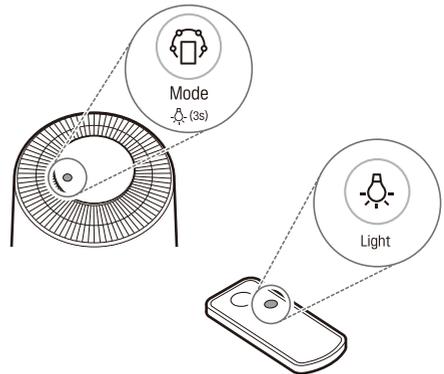
## Turning Air Quality Light On/Off

- 1 The overall indoor air quality is indicated by the color of the air quality light.



- 1 Air quality light

- 2 Press and hold the **Mode** button for 3 seconds to turn the air quality light on or off. On the remote, press the **Light** button to turn the air quality light on or off.



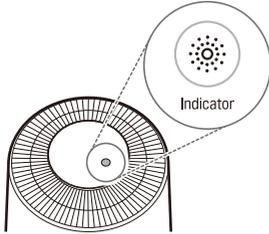
## NOTE

- When the appliance is turned on, the air quality light is white during the initial sensor stabilization period (30 seconds). The odor sensor takes 2 minutes to stabilize after the appliance is turned on.

## Checking Particulate Levels

To check the particulate matter concentration by particulate size, press the **Indicator** button while the appliance is operating.

- Press the button repeatedly to see the PM levels displayed in the following order:  
PM10 → PM2.5 → PM1.0
- The concentration for the selected particulate size is displayed for about 10 seconds.



### NOTE

- The overall air quality level is a result of both PM concentration and the odor level.
- Even two products placed in the same space could measure the concentration of particulates differently due to air circulation.
- Unlike the odor level, the PM concentration may take time to measure accurately due to the slow diffusion rate.
- Due to the flow around the particulate sensor, the displayed PM concentration and actual concentration may differ.
- The PM concentration measured may differ from the actual PM concentration in the following cases.
  - The presence of sofas, beds, carpets, vacuums, humidity, smoke, fragrances, cosmetics, perfumes, insects, or pets
  - If the appliance is located near a construction site, road, factory, doorway, window, or vent
  - If the appliance is located near cooking, humidifiers, sprays or other products which generate steam or fine particles.

## 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.

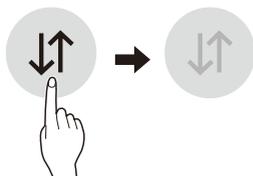
### NOTE

- If you change your wireless router, Internet service provider, or password, delete the connected appliance from the LG ThinQ application and connect it again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

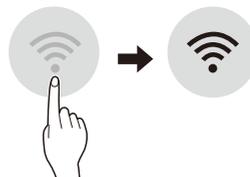
## Before using LG ThinQ Application

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 control panel 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.

## Wireless LAN Module Specifications

<b>Frequency Range</b>	2412 MHz - 2462 MHz
<b>Output Power (Max)</b>	< 30 dBm

## 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 to 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 under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

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](mailto:opensource@lge.com). This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

## Smart Diagnosis

This feature is only available on models with the  or  logo.

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.

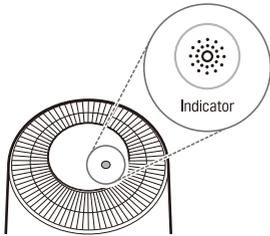
- Launch the **LG ThinQ** application and select the **Smart Diagnosis** feature in the menu. Follow the instructions provided in the **LG ThinQ** application.

## Using Audible Diagnosis to Diagnose Issues

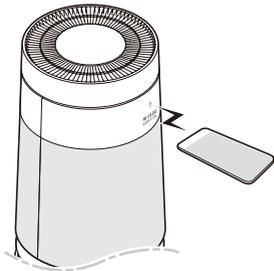
Follow the instructions below to use the audible diagnosis method.

- 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 **Indicator** button for 5 seconds to execute the Smart Diagnosis function.



- 2 Hold the phone near the  or  logo on the back of the appliance.



- 3 After the data transfer is complete, the diagnosis will be displayed in the application.

### NOTE

- For best results, do not move the phone while the tones are being transmitted.

## WARNING

- You must stop operating the appliance and unplug it before you clean and replace the filter.
- Do not spray water directly on the appliance.

## Maintaining the Appliance

### Scheduled Maintenance

Component	Cleaning Frequency	Replacement Frequency
 Filter	<b>Only ultra-fine filter</b> Clean filter as needed	<b>The whole filter</b> 1 year
 PM1.0 sensor	Every 2 months	-

### NOTE

- The operating environment and operation hours may affect the cleaning frequency. Clean more often if operating in a dusty environment.
- Failure to clean the product following the recommended schedule may result in it smelling bad or not working properly.
- 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](http://www.lg.com)

- If the PM concentration does not change on the display for a long time, clean the PM1.0 sensor even if it is not scheduled for a cleaning.

### Alerts on the Status Display Panel

When you see an alert message on the status display panel, do the following:

Alert	Measure
	Replace the filter.

### NOTE

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

## Storage

If the appliance is not used for a long period of time, store it in a dry location out of direct sunlight.

- 1 Operate the product for one hour or more on a fine day.
  - This removes moisture and prevents mold from building up inside the product.
- 2 Turn off the power and unplug it from the electrical outlet.
  - Wind the power cord around the bottom of the appliance.
- 3 Cover the appliance to prevent dust or foreign substances from entering the appliance. Store the covered appliance out of direct sunlight.

## CAUTION

- Do not store the appliance in a humid location or where it is exposed to direct sunlight. Doing so can lead to product deformation or odors.

## Cleaning the Appliance

### Cleaning the Exterior

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

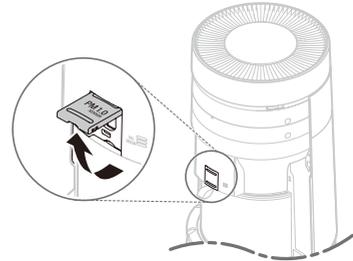
### NOTE

- If you find it difficult to clean the front and rear covers, disassemble them first and wash with water. Then, dry them completely out of direct sunlight.

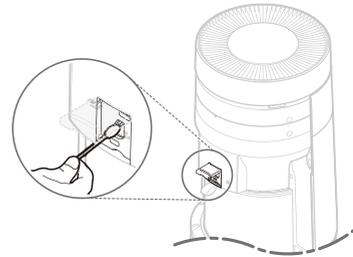
## Cleaning the Particulate Sensor

The PM1.0 sensor is used to detect fine as well as coarse particulates. For best results, clean the sensor lens frequently.

- 1 Remove the rear cover from the appliance.
- 2 Open the sensor cover.



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



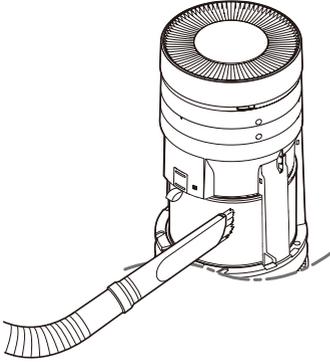
### NOTE

- Use only water to clean the sensor. Using other materials may cause the appliance to malfunction.

## Maintaining the Filter

### Cleaning the Filter

- 1 Separate the cover from the appliance.
- 2 Remove dust from the ultra-fine filter with a vacuum cleaner or soft brush.



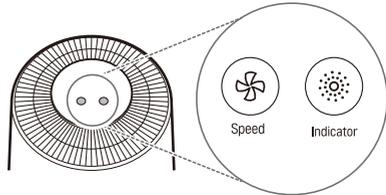
### Replacing the Filter

- 1 Place a newspaper or cloth on the floor by the appliance. Remove the cover from the appliance and slide the old filter onto the newspaper. Insert the new filter with the handle at the top.
- 2 Once you have replaced the filter, disable the filter replacement alert.

### Disabling the Filter Replacement Alert

Press and hold the **Speed** and **Indicator** buttons simultaneously for 3 seconds.

- The  (filter replacement alert) is disabled and the replacement alarm is reset.



### NOTE

- The filter replacement alert is disabled automatically if 24 hours have passed since it was displayed or if the product is disconnected from the power source.

## Before Calling for Service

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

### Operation

Symptoms	Possible Causes & Solution
The appliance does not operate.	<p><b>The power plug in unplugged from the outlet.</b></p> <ul style="list-style-type: none"> <li>Plug it into the outlet properly.</li> </ul>
There is odor, but the air quality light doesn't change	<p><b>Is the air quality light red or orange?</b></p> <ul style="list-style-type: none"> <li>The color of the overall air quality light is determined by the worst level sensed, whether that is a PM concentration or odor. The PM concentration level may be worse than the odor level.</li> <li>The odor (gas) sensor is designed to detect harmful gases. Strong food odors may not register as harmful, but the Deodorizing Care filter will minimize them.</li> </ul>
The air quality light stays red.	<p><b>Move the appliance to a different room and see if the color changes.</b></p> <ul style="list-style-type: none"> <li>If the odor level is beyond the capacity of the product to dispel, the light may not change.</li> <li>Clean the sensor area.</li> <li>Remove the power plug from the outlet and reconnect it one minute later.</li> </ul>
	<p><b>A substance was sprayed near the product.</b></p> <ul style="list-style-type: none"> <li>Do not use sprays near the product.</li> </ul>
The buttons on the control panel do not work.	<p><b>The  (Lock) is turned on on the status display panel.</b></p> <ul style="list-style-type: none"> <li>Press and hold the <b>Sleep Timer</b> button for 3 sec. To disable the lock function.</li> </ul>
The PM concentration doesn't change.	<p><b>There is a foreign substance on the sensor.</b></p> <ul style="list-style-type: none"> <li>Clean the PM1.0 sensor.</li> </ul>
	<p><b>The product is used in an enclosed space.</b></p> <ul style="list-style-type: none"> <li>In an enclosed space without frequent air exchange, the air quality may stay the same.</li> </ul>
The PM concentration stays high.	<p><b>The product is located in an area with frequent airflow from the outside.</b></p> <ul style="list-style-type: none"> <li>In an environment where outside air is supplied continuously, the PM concentration may remain high.</li> </ul>
The color of the overall air quality light does not match the PM concentration value.	<p><b>The overall air quality light may be reflecting the odor level.</b></p> <ul style="list-style-type: none"> <li>The overall air quality is based on both the PM concentration and the odor level, and its color is determined by which is worse.</li> <li>If the PM concentration is low and the odor level is high, the overall air quality light will reflect the odor level.</li> </ul>
The clean booster is not working.	<p><b>The Booster mode is not selected.</b></p> <ul style="list-style-type: none"> <li>The booster fan speed and booster fan rotation functions work only in the <b>Booster</b> mode.</li> </ul>

Symptoms	Possible Causes & Solution
The PM concentration levels are different between the appliance and the LG ThinQ app.	<p><b>Make sure you are comparing the levels for the same size particulates.</b></p> <ul style="list-style-type: none"> <li>• Make sure that the levels of the PM1.0/PM2.5/PM10 are displayed consistently between the LG ThinQ app and your appliance.</li> <li>• The LG ThinQ app may not update the sensor results as quickly as the appliance display.</li> </ul>

## Performance

Symptoms	Possible Causes & Solution
The indoor air is not purified well enough.	<p><b>The indoor air is very dirty.</b></p> <ul style="list-style-type: none"> <li>• Ventilate the indoor air before you use the product.</li> </ul>
	<p><b>The ultra-fine filter is clogged with dust.</b></p> <ul style="list-style-type: none"> <li>• Clean the ultra-fine filter properly.</li> </ul>
	<p><b>The True HEPA filter is clogged with dust.</b></p> <ul style="list-style-type: none"> <li>• Replace the whole filter.</li> </ul>
	<p><b>The location is too large for the capability of the air purifier.</b></p> <ul style="list-style-type: none"> <li>• Use a product that fits the size of the room.</li> <li>• Place the appliance away from windows, doors, and other areas with frequent influx of outdoor air.</li> </ul>
	<p><b>The air inlet or outlet is blocked.</b></p> <ul style="list-style-type: none"> <li>• Remove the obstacle.</li> </ul>
	<p><b>The appliance is located in a corner or an area where air circulation is blocked.</b></p> <ul style="list-style-type: none"> <li>• Move the appliance and install it again.</li> </ul>

## Noise

Symptoms	Possible Causes & Solution
Fan is noisy even on the lowest speed.	<p><b>The ultra-fine filter is clogged with dust.</b></p> <ul style="list-style-type: none"> <li>• Clean the ultra-fine filter properly.</li> </ul>
	<p><b>The True HEPA filter is clogged with dust.</b></p> <ul style="list-style-type: none"> <li>• Replace the whole filter.</li> </ul>
The appliance makes a sudden loud noise while operating.	<p><b>The operating mode is set to Smart mode or the fan speed is on Auto.</b></p> <ul style="list-style-type: none"> <li>• It may make a sudden noise as it automatically adjusts the air flow depending on indoor air quality.</li> </ul>
A noise is generated when I start or stop the clean booster.	<ul style="list-style-type: none"> <li>• The clean booster is looking for the correct location.</li> </ul>

## Odor

Symptoms	Possible Causes & Solution
A strange odor comes out from the air outlet as well as the filter.	<b>Appliance is new.</b> <ul style="list-style-type: none"> <li>The odor of activated charcoal is not harmful. This is similar to the odor you may experience in a brand new car. The odor should dissipate after 1-2 weeks of use.</li> </ul>
	<b>The appliance is located in an area with a lot of smoke or odors.</b> <ul style="list-style-type: none"> <li>In areas with a lot of smoke or odors, the lifespan of the filters may be greatly decreased. For best results, ventilate the room first, then use the appliance.</li> </ul>
	<b>The odor is coming from the filter.</b> <ul style="list-style-type: none"> <li>Replace the filter. The filter replacement frequency may differ depending on the usage environment.</li> </ul>
	<b>The appliance is located in an area with a lot of strong odors.</b> <ul style="list-style-type: none"> <li>If the appliance is used near where you cook or broil fish or meat, the lifespan of the filters will be greatly decreased.</li> <li>For best results, ventilate the area first by opening a window or using a vent hood. Use the appliance only to minimize odors left after ventilating the area.</li> </ul>

## Wi-Fi

Symptoms	Possible Causes & Solution
Your home appliance and smartphone is not connected to the Wi-Fi network.	<b>The password for the Wi-Fi that you are trying to connect to is incorrect.</b> <ul style="list-style-type: none"> <li>Find the Wi-Fi network connected to your smartphone and remove it, then connect your appliance in <b>LG ThinQ</b>.</li> </ul>
	<b>Mobile data for your smartphone is turned on.</b> <ul style="list-style-type: none"> <li>Turn off the <b>Mobile data</b> of your smartphone and connect the appliance using the Wi-Fi network.</li> </ul>
	<b>The wireless network name (SSID) is set incorrectly.</b> <ul style="list-style-type: none"> <li>The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)</li> </ul>
	<b>The router frequency is not 2.4 GHz.</b> <ul style="list-style-type: none"> <li>Only a 2.4 GHz router frequency is supported. Set the wireless router to 2.4 GHz and connect the appliance to the wireless router. To check the router frequency, check with your Internet service provider or the router manufacturer.</li> </ul>
	<b>The appliance is too far from the router.</b> <ul style="list-style-type: none"> <li>If the appliance is too far from the router, the signal may be weak and the connection may not be configured correctly. Move the router closer to the appliance.</li> </ul>

**ARBITRATION NOTICE: THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND 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.**

Should the LG Air Purifier fail due to a defect in materials or workmanship under normal home 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 and applies only when purchased and used within the United States, including U.S. Territories. Proof of original retail purchase is required to obtain warranty service under this limited warranty.

Warranty Period	Scope of Warranty	Remark
One (1) year from date of original retail purchase	Any internal / functional parts and labor	LG will provide parts and labor to repair or replace defective parts.
Ten (10) years from date of original retail purchase	Smart Inverter Motor	Parts Only. Customer will be responsible for any labor or in-home service to replace defective parts.

- 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 or remanufactured.

**THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.**

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 exclusion or limitation may not apply to you. This 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 or repair the product; instruction to the customer on operation of the product; repair or replacement of fuses or correction of wiring or plumbing, or correction of unauthorized repairs/installation.
- Failure of the product to perform during power failures and interrupted or inadequate electrical service.
- Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage resulting from operating the product in a corrosive atmosphere or contrary to the instructions outlined in the product's owner's manual.
- Damage to the product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
- Damage or failure caused by unauthorized modification or alteration, or if it is used for other than the intended purpose, or any water leakage where the unit was not properly installed.

- Damage or failure caused by incorrect electrical current, voltage, or plumbing codes, commercial or industrial use, or use of accessories, components, or consumable cleaning products that are not approved by LG.
- Damage caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of your product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery.
- Damage or missing items to any display, open box, discounted, or refurbished product.
- Products with original serial numbers that have been removed, altered, or cannot be readily determined. Model and serial numbers, along with original retail sales receipts, are required for warranty validation.
- Increases in utility costs and additional utility expenses.
- Repairs when the product is used for other than normal and usual household use (e.g. commercial use, in offices and recreational facilities) or contrary to the instructions outlined in the product's owner's manual.
- Costs associated with removal of the product from your home for repairs.
- The removal and reinstallation of the product if it is installed in an inaccessible location or is not installed in accordance with published installation instructions, including LG's owner's and installation manuals.
- Damage resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes use of parts not approved or specified by LG.

**The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.**

TO OBTAIN WARRANTY SERVICE AND ADDITIONAL INFORMATION

For additional product information, visit the LG website at <http://www.lg.com>

For assistance using this product or to schedule service, contact LG Electronics at 1-800-243-0000 (US).

For further assistance, write: LG Electronics, 201 James Record Road, Huntsville, Alabama 35813

#### **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](http://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](mailto:optout@lge.com), with the subject line: "Arbitration Opt Out" or (ii) calling 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/repair-service/schedule-repair-continued> and clicking on "Find My Model & Serial 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.

# Memo



The energy efficiency of this ENERGY STAR qualified model is measured based on a ratio between the model's CADR for Dust and the electrical energy it consumes, or CADR/Watt.

