

OWNER'S MANUAL

ELECTRIC CONVECTION BUILT-IN OVEN

Please read this guide thoroughly before operating
and keep it handy for reference at all times.

LSWS300BD
LSWS307ST



MFL51224526_01

www.lg.com

Copyright © 2018 LG Electronics Inc. All Rights Reserved.

TABLE OF CONTENTS

3 IMPORTANT SAFETY INSTRUCTIONS

8 PRODUCT OVERVIEW

- 8 Accessories
- 9 Oven Overview
- 10 Control Panel Overview

11 FEATURES

- 11 Clock
- 12 Timer ON/OFF
- 12 Convection Auto Conversion
- 13 Oven Temperature Adjustment
- 13 Language
- 13 Preheating Alarm Light
- 14 Beeper Volume
- 14 Fahrenheit or Celsius
- 14 Oven Light
- 14 Lockout
- 15 Start Time(Delayed Timed Cook)
- 16 Cook Time(Timed Cook)

17 USING THE OVEN

- 17 Before Using the Oven
- 17 Removing and Replacing the Oven Racks
- 18 Bake
- 19 Convection Bake
- 20 Roast
- 20 Convection Roast
- 21 Crisp Convection
- 22 Broil
- 23 Recommended Broiling Guide
- 24 Broiling Tips
- 25 Warm
- 25 Proof
- 26 Meat Probe

27 SMART FUNCTIONS

- 27 LG SmartThinQ Application
- 28 Smart Diagnosis™ Function
- 30 FCC Notice (For transmitter module contained in this product)
- 30 FCC RF Radiation Exposure Statement

31 MAINTENANCE

- 31 Self-Clean
- 31 Setting Self Clean
- 32 Setting Self Clean with a Delayed Start
- 33 EasyClean®
- 33 Cleaning Tips
- 34 EasyClean® Instruction Guide
- 35 Changing the Oven Light
- 35 Cleaning the Exterior
- 37 Removing and Replacing the Lift-Off Oven Door
- 37 Door Care Instructions

38 TROUBLESHOOTING

- 38 FAQs
- 40 Before Calling for Service

43 LIMITED WARRANTY

IMPORTANT SAFETY INSTRUCTIONS

Read and follow all instructions before using your oven to prevent the risk of fire, electric shock, personal injury, or damage when using the oven. This guide does not cover all possible conditions that may occur. Always contact your service agent or manufacturer about problems that you do not understand.

Download this owner's manual at: www.lg.com



This is the safety alert symbol. This symbol alerts you to potential hazards that can result in property damage and/or serious bodily harm or death. All safety messages will follow the safety alert symbol and either the word **WARNING** or **CAUTION**. These words mean:



WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

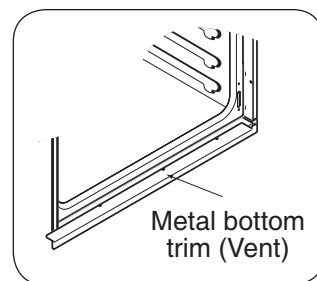
SAFETY PRECAUTIONS

- Be certain your appliance is properly installed and grounded by a qualified technician.
- Do not repair or replace any part of the appliance unless specifically recommended in the manual.
- All other servicing should be referred to a qualified technician.
- Always disconnect power to appliance before servicing by unplugging, removing the fuse or switching off the circuit breaker.
- **DO NOT TOUCH HEATING ELEMENTS OR INTERIOR SURFACES OF OVEN.**
Heating elements may be hot even though they are dark in color. Interior surfaces of an oven become hot enough to cause burns. During and after use, do not touch or let clothing or other flammable materials contact heating elements or interior surfaces of oven until they have had sufficient time to cool. Other surfaces of the appliance may become hot enough to cause burns. Among these surfaces are oven vent openings and surfaces near these openings, oven doors, and windows of oven doors.
- **Use care when opening door.**
Let hot air or steam escape before you remove or replace food in the oven.
- **Do not heat unopened food containers.**
Build-up of pressure may cause containers to burst and result in injury.

SAFETY PRECAUTIONS (CONT.)

- **Keep oven vent ducts unobstructed.**

The oven vent could become hot during oven use. Never block this vent and never place plastic or heat-sensitive items on or near the vent.



NOTE:

For proper operation vent trim must be installed.

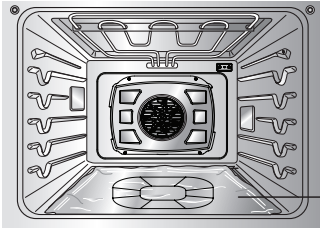
WARNING

- **NEVER use your appliance for warming or heating the room.**
 - **DO NOT use water on grease fires.** Should an oven fire occur, leave the oven door closed and turn the oven off. If the fire continues, throw baking soda on the fire or use a fire extinguisher.
 - **Use dry pot holders only.** Moist or damp pot holders on hot surfaces may result in burns from steam. Do not let the pot holder touch hot heating elements. Do not use a towel or other bulky cloth.
 - **Do not use the oven or the drawer for storage.** Flammable materials should not be stored in or on an oven.
 - **Wear proper apparel.** Loose-fitting or hanging garments should never be worn while using the appliance.
-
- **Be certain all packing materials are removed from the appliance before operating.** Keep plastics, clothes, and paper away from parts of the appliance that may become hot.
 - **DO NOT force the door open.** This can damage the automatic door locking system. Use care when opening the oven door after the self-cleaning cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape. The oven may still be VERY HOT.
 - **DO NOT use a steel-wool pad.** It will scratch the surface.
 - **DO NOT use harsh etching, abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface.** This may result in the glass shattering.
 - **Be careful when removing and lifting the door.**
 - **DO NOT lift the door by the handle.** The door is very heavy.
 - **DO NOT step or sit on the oven door.** Be sure to follow proper installation instructions.

ELECTRICAL SAFETY

- **Protective Liners.** Do not use aluminum foil or any other material to line the oven bottoms. Improper installation of these liners may result in a risk of electric shock or fire.
- **Do Not** allow aluminum foil or the meat probe to contact heating elements.

WARNING



No Aluminum foil

- **DO NOT** place aluminum foil directly on the oven bottom.

- **DO NOT line the oven walls, racks, bottom, or any other part of the oven with aluminum foil or any other material.** Doing so will disrupt heat distribution, produce poor baking results and cause permanent damage to the oven interior (aluminum foil will melt to the interior surface of the oven.)
- **Before replacing your oven light bulb, switch off the electrical power to the oven at the main fuse or circuit breaker panel.** Failure to do so can result in severe personal injury, death, or electrical shock.

SAFETY DURING USE

- **Oven Racks.** Always place oven racks in the desired position while the oven is cool.
- **Always use pot holders or oven mitts when removing food from the oven.** Hot cookware or plates can cause burns.
- **Use caution with the TIMED BAKE or DELAYED TIMED BAKE features.** Use the automatic timer when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil, such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator first. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when cooking is completed. Eating spoiled food can result in sickness from food poisoning.
- **Should an oven fire occur, leave the oven door closed and turn the oven off. If the fire continues, throw baking soda on the fire or use a fire extinguisher.**
- **DO NOT put water or flour on the fire.** Flour may be explosive and water can cause a grease fire to spread and cause personal injury.
- **DO NOT use the broiler pan without the grid. DO NOT cover the grid with aluminum foil.**

CHILD SAFETY

WARNING

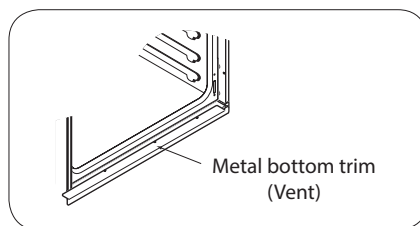
- **Children should be kept away from the oven.**
- **Accessory parts will become hot when the broiler is in use.**

CAUTION

- **Children should not be left alone or unattended in an area where the appliance is in use. Children should never be allowed to sit or stand on any part of the appliance.**
- **DO NOT leave small children unattended near the appliance.** During the self-cleaning cycle, the outside of the oven can become very hot to the touch.

SAFETY WHEN CLEANING

- **Do not clean the door gasket.** The door gasket is essential for a good seal. Care should be taken not to rub, damage, or move the gasket.
- **Do not use oven cleaners.** No commercial oven cleaner or oven liner protective coating of any kind should be used in or around any part of the oven.
- **Before self cleaning the oven,** remove broiler pan, all oven racks, meat probe and any other utensils from the oven cavity.
- **Never keep pet birds in the kitchen.** The health of birds is extremely sensitive to the fumes released during an oven self-clean cycle. Fumes may be harmful or fatal to birds. Move birds to a well-ventilated room.
- **Important instruction :** In the event the self clean error code F is displayed, and error melody sounds, the oven is malfunctioning in the self clean mode. Switch off the electrical power to the main fuse or breaker and have the appliance serviced by a qualified technician.
- **Make sure oven lights are cool before cleaning. Clean only parts listed in manual.**
- **DO NOT block the oven vent during operation.** This can damage the electric parts of the oven. Air must be able to move freely. The metal bottom trim (vent) should be properly assembled on the front bottom of the oven before installing the oven door.



COOK MEAT AND POULTRY THOROUGHLY

To protect against food-borne illnesses, cook meat and poultry thoroughly. The USDA has indicated the following as safe minimum internal temperatures for consumption:

- Ground beef: 160 °F
- Poultry: 165 °F
- Beef, veal, pork, or lamb: 145 °F
- Fish/seafood: 145°F

PRODUCT OVERVIEW

ACCESSORIES

Make sure that all parts are included after purchasing this product.

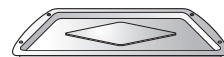
Accessories for Cooking



Grid



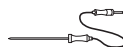
Heavy duty racks
(Standard Rack) (2 ea)



Broiler pan

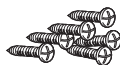


Telescoping rack (1 ea)

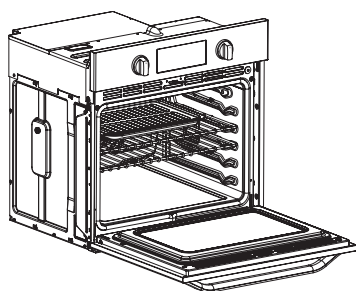


Meat probe

Accessories for Installation



6 wood screws for mounting
(4 needed for installation
and 2 extras)

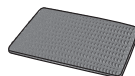


Electric convection built-in oven

Accessories for EasyClean®



Spray bottle (1ea)

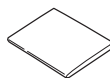


Non scratch
Scouring Pad (1ea)

Manuals



Owner's manual



Installation manual

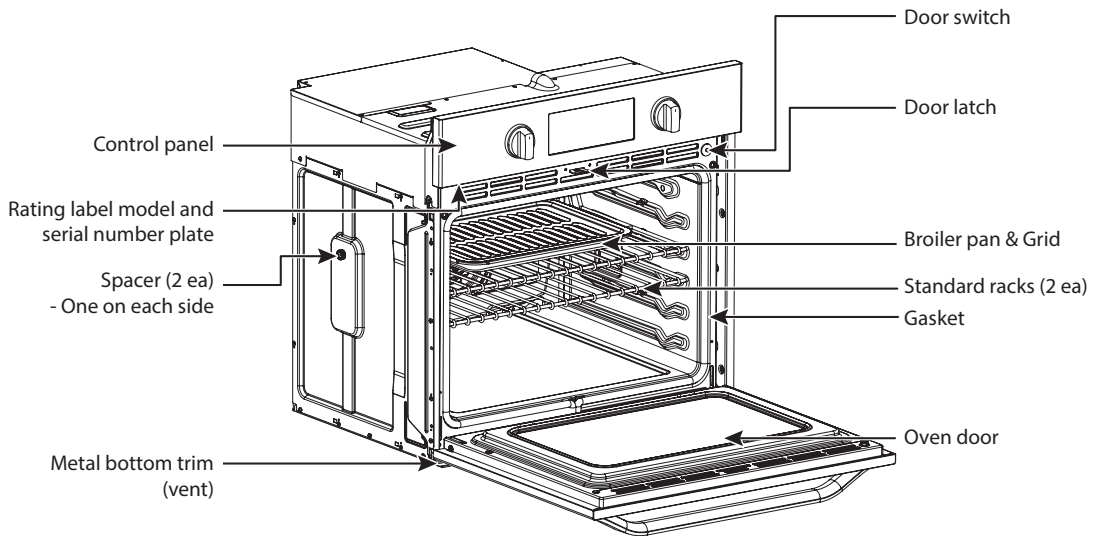
! NOTE

- Contact LG Customer Service if any accessories are missing.
- For your safety and for extended product life, only use authorized components.
- The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased, unauthorized components.
- 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.

OVEN OVERVIEW

Make sure to understand the name and function of each part.

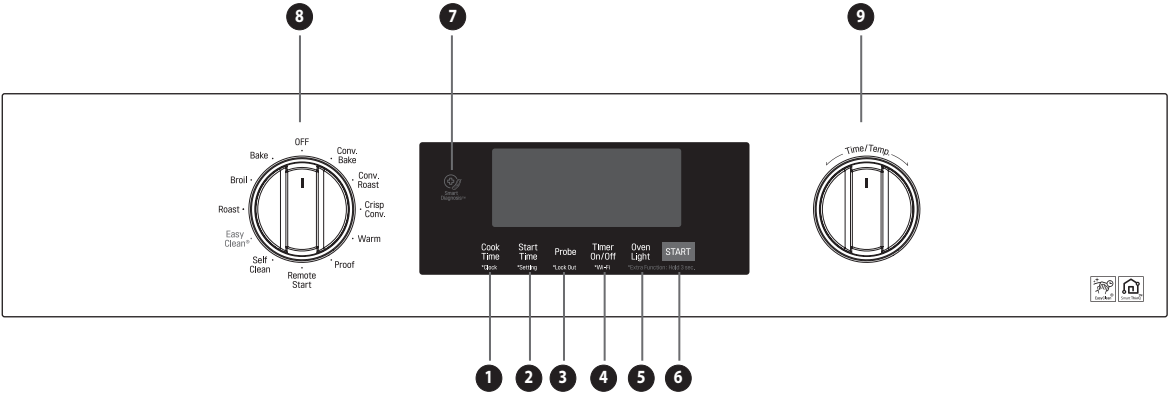
* Throughout this manual, the features and appearance may vary depending on your model.



NOTE

- The model and serial number can be verified at the rating label.

CONTROL PANEL OVERVIEW



Name	Description
1 Cook Time / Clock	<ul style="list-style-type: none">– Touch button and turn the Time/Temp knob to set the desired amount of time for food to cook. The oven shuts off when the set cooking time runs out.– Touch and hold the button for three seconds to set the time of day.
2 Start Time / Setting	<ul style="list-style-type: none">– Touch button and turn the Time/Temp knob to set the delayed start time. The oven starts at the set time.– Touch and hold button for three seconds to select and adjust oven settings.
3 Probe / Lockout	<ul style="list-style-type: none">– Touch button to select probe function.– Touch and hold button for three seconds to activate to active LOCKOUT.
4 Timer On/Off (Wi-Fi)	<ul style="list-style-type: none">– Touch the button to set or cancel timer on oven.– Touch and hold button for three seconds to connect the appliance to Wi-Fi network.
5 Oven Light	Touch button to turn oven light on/off.
6 Start	Touch button to start all oven features.
7 Smart Diagnosis	Use during the Smart Diagnosis feature.
8 Oven Mode Knob	Turn knob to select oven operating mode.
9 Time/Temp Knob	Turn knob to set temperature or cook time for oven.

FEATURES

CLOCK

The clock must be set to the correct time of day in order for the automatic oven timing functions to work properly.

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **COOK TIME** for 3 seconds.
3. Turn the Time/Temp knob to select the desired time. Turn the knob clockwise to increase the time and counterclockwise to decrease the time.
4. Touch **START** to enter the time and start the clock.

NOTE

- The time of day cannot be changed during a Timed Baking or Self Clean cycle.
- To check the time of day when the display is showing other information, touch **CLOCK**.
- The display reverts to the original setting if **START** is not touched within 25 seconds of the clock being set.
- If the display time is blinking, there may have been a power failure. Reset the time.

Setting the Hour Mode on the Clock (12 or 24 hours)

The control is set to use a 12-hour clock. To change it to a 24-hour time clock, follow the steps below.

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **START TIME** for 3 seconds.
3. Turn the Time/Temp knob to set the desired hour mode on the clock.
4. Touch **START** to accept the change.

Power Outage

If the dot of dot of time flashes on the display, there may have been a power outage. Reset the clock. Touch any button or turn any knob once to reset. Enter the correct time of day by turning the Time/Temp knob. Touch **START**.

Minimum and Maximum Default Settings

All of the features listed have a minimum and a maximum time or temperature setting that can be entered into the control. A beep sounds each time a control button is touched.

Two short tones sound if the entry of the temperature or time is below the minimum or above the maximum setting for the feature.

FEATURE		MIN. TEMP. / TIME	MAX. TEMP. / TIME
CLOCK TIME	12 Hr.	1:00 Hr. / Min.	12:59 Hr. / Min.
	24 Hr.	0:00 Hr. / Min.	23:59 Hr. / Min.
TIMER	12 Hr.	0:01 Min.	11:59 Hr. / Min.
	24 Hr.	0:01 Min.	11:59 Hr. / Min.
COOKING TIME	12 Hr.	0:01 Min.	11:59 Hr. / Min.
	24 Hr.	0:01 Min.	11:59 Hr. / Min.
BAKE/ROAST		170°F / 80°C	550°F / 285°C
CONVECTION BAKE / CONVECTION ROAST / CRISP CONVECTION		170°F / 80°C	550°F / 285°C
BROIL Full/Center		Low (350°F)	High (550°F)
SELF CLEAN TIME		3Hr.	5Hr.
PROOF		0:01 Min.	11:59 Hr. / Min.
WARM		Low (140°F)	High (200°F)
PROBE		80 °F / 27°C	210 °F / 100°C

TIMER ON/OFF

The **TIMER ON/OFF** serves as an extra timer in the kitchen that beeps when the set time has run out. It does not start or stop cooking. The **TIMER ON/OFF** feature can be used during any of the other oven control functions. The timers can be operated independently of each other.

Setting the Timer

1. Set Oven Mode knobs to the **OFF** position.
2. Touch the **TIMER ON/OFF**. 0:00 with _{HR} inside it appears and **TIMER** flashes in the display.
3. Turn the Time/Temp knob to set the desired time. Turn the knob clockwise to increase the time and counterclockwise to decrease the time.



NOTE

If the **TIMER ON/OFF** is not touched, the timer returns to the time of day.

4. Touch the **TIMER ON/OFF** to start the timer. The display shows the set time counting down.
5. When the set time runs out End shows in the display. The indicator tones sound every 15 seconds until the **TIMER ON/OFF** is touched.
6. To cancel the timer, touch the **TIMER ON/OFF** once. The display will return to the time of day.



NOTE

If the remaining time is not shown in the display, recall the remaining time by touching the **TIMER ON/OFF**.

- Touch the **TIMER ON/OFF** once to set the time in hours and minutes.
- Touch the **TIMER ON/OFF** twice to set the time in minutes and seconds.

CONVECTION AUTO CONVERSION

When cooking using the convection mode (Conv. Bake, Conv. Roast, and Crisp Conv.), the oven temperature is automatically reduced by 25°F(14°C). The display will show the changed temperature.

This feature is called *auto conversion*. Your oven comes with this feature enabled.

To disable the auto conversion feature, do the following:

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **START TIME** for 3 seconds. Then touch **START TIME** once. *Auto* appears in the display.



3. Turn the Time/Temp knob to enable or disable the feature.
4. Touch **START** to accept the change.

OVEN TEMPERATURE ADJUSTMENT

This oven may cook differently than the one it replaced. Use the oven for a few weeks to become more familiar with it before changing the thermostat settings. If the oven consistently undercooks or overcooks follow these instructions to adjust the thermostat.

! NOTE

Don't use thermometers, such as those found in grocery stores, to check the temperature setting of the oven. Instead, begin by raising or lowering the thermostat 15°F (8°C). Try the oven for a week with the new setting and adjust again if needed, using the first adjustment as a gauge.

Adjusting the Oven Temperature

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **START TIME** for 3 seconds. Then touch **START TIME** repeatedly until **AJ** appears in the display.



3. Turn the Time/Temp knob to set the amount of temperature adjustment desired. Touch **START TIME** to toggle between positive and negative values.

Example : To increase the thermostat by 15 degrees, turn the knob clockwise to select 15.

To decrease the thermostat by 15 degrees, turn the knob clockwise to select 15, then touch **START TIME** to select a negative value (-15).

4. Touch **START** to accept the change.

! NOTE

- This adjustment will not affect the broiling or Self Clean temperatures. The adjustment will be retained in memory after a power failure. The oven temperature can be increased (+) or decreased (-) as much as 35°F or 19°C.
- Once the temperature is increased or decreased, the display will show the adjusted temperature until it readjusts.
- The thermostat adjustment for Bake will also affect Convection Bake, Convection Roast, Roast or Crisp Convection.

LANGUAGE

The default language of the display is English. It can be changed to Spanish or French.

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **START TIME** for 3 seconds. Then touch **START TIME** repeatedly until **Lng** appears in the display.



3. Turn the Time/Temp knob to set the desired language.
4. Touch **START** to accept the change.

PREHEATING ALARM LIGHT

When the oven reaches its set-temperature, the preheating alarm light flashes until the oven door is opened. You can activate or deactivate the preheating alarm light.

1. Set oven mode knobs to the **OFF** position.
2. Touch and hold **START TIME** for 3 seconds. Then touch **START TIME** repeatedly until **PrE** appears in the display.



3. Turn the Time/Temp knob to enable or disable the feature.
4. Touch **START** to accept the change.

BEEPER VOLUME

The beeper volume can be adjusted to three possible volume levels, Hi, Low and Off.

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **START TIME** for 3 seconds. Then touch **START TIME** repeatedly until **BEEP** appears in the display.



3. Turn the Time/Temp knob to select the desired volume.
4. Touch **START** to accept the change.

FAHRENHEIT OR CELSIUS

The oven control is set by default to display the Fahrenheit temperature scale. To display the Celsius scale, follow these instructions.

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **START TIME** for 3 seconds. Then touch **START TIME** repeatedly until **Unit** appears in the display.



3. Turn the Time/Temp knob to select °F (Fahrenheit) or °C (Celsius).
4. Touch **START** to accept the change.

OVEN LIGHT

The interior oven light automatically turns ON when the door is opened. The oven light can also be manually turned ON or OFF by touching **OVEN LIGHT**.




NOTE

The oven light cannot be turned on if the Self Clean function is active.

LOCKOUT

The Lockout feature automatically locks the oven door and prevents most oven controls from being turned on. It does not disable the clock, timer or the interior oven light.

1. Set Oven Mode knobs to the **OFF** position.
2. Touch and hold **PROBE** for 3 seconds.
3. The lock melody sounds, **OVEN LOCKOUT** appears in the display and **DOOR LOCKED** will flicker in the display.
4. Once the oven door is locked, the **DOOR LOCKED** indicator stops flickering and remains on along with the lock icon. 
5. To deactivate the Lockout feature, touch and hold **PROBE** for 3 seconds. The unlock melody sounds and **UNLOCKING** appears in the display until the controls are unlocked.

START TIME (Delayed Timed COOK)

The automatic timer of the DELAYED TIMED COOK function turns the oven ON and OFF at the time you select. This feature can only be used with the BAKE, ROAST, CONV. BAKE, CONV. ROAST, CRISP CONV. and SELF CLEAN modes.

Setting the Oven to Delayed Start

The following example is to Bake at 300°F and start baking at 4:30. Make sure the clock is set for the correct time of day.

1. Turn the Oven Mode knob to select the **BAKE** mode. **350°F** appears in the display.
2. Turn the Time/Temp knob to set the desired temperature.
For this example, turn the Time/Temp knob counterclockwise until 300°F appears in the display.
3. Touch **START TIME**.
4. Set the start time: Turn the Time/Temp knob clockwise until 4:30 appears in the display.
5. Touch **START**. A short beep sounds and the oven begins baking.

NOTE

- To cancel the DELAYED TIMED COOK function, turn the Oven Mode knob to the **OFF** position.
- To change the cooking time, repeat steps 3-4 and touch **START**.
- If your oven clock is set as a 12-hour clock, you can delay the cook time for 12 hours. If your oven clock is set as a 24-hour clock, you can delay the cook time for 24 hours.

The oven continues to cook for the set amount of time and then turns off automatically when the cooking time has elapsed.

- **END** and the time of day shows in the display.
- The cook end indicator tone sounds every 60 seconds until the Oven Mode knob is turned to the **OFF** position.



CAUTION

- Use the automatic timer when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil, such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when cooking is completed.
- Eating spoiled food can result in sickness from food poisoning.

COOK TIME (TIMED COOK)

The oven turns on immediately and cooks for a selected length of time. At the end of the cooking time, the oven turns off automatically.

Setting the Timed Cook Function

The following example is to Bake at 300°F for 30 minutes.

1. Set the clock for the correct time of day.
2. Turn the Oven Mode knob to select **BAKE**. 350°F appears in the display.
3. Set the oven temperature.
For this example, turn the Time/Temp knob counterclockwise to select 300°F.
4. Touch **COOK TIME**. TIMED flashes. BAKE, 0:00 and 300°F appears in the display.
5. Set the desired baking time.
For this example, turn the Time/Temp knob clockwise until 30:00 appears in the display.



NOTE

Baking time can be set for any amount of time from 1 minute to 11 hours and 59 minutes.

6. Touch **START**. The oven turns on, and the display shows the cooking time countdown. The oven continues to cook for the set amount of time, then turns off automatically, unless the WARM function is set. Refer to the Setting the WARM Function, page 25.

When the cooking time has elapsed:

1. END OF CYCLE and the time of day show in the display. The oven shuts off automatically.
2. The control continues to sound the cook end melody every minute until the Oven Mode knob is moved to any position.

Changing the Cook Time while Operating the Oven

This example is to change the cook time from 30 minutes to 1 hour and 30 minutes.

1. Touch **COOK TIME**.
2. Set the new baking time.
For this example, turn the Time/Temp knob clockwise until 01_{HR}:30 appears in the display.
3. Touch **START** to accept the change, or wait 10 seconds without touching and the display resets to the original cooking time.



NOTE

- During the preheating mode, the convection fan operates constantly to circulate the hot air. The convection fan turns off automatically after the preset temperature is attained.
- After any cooking cycle has been completed cooling fans operate to protect the control panel. This is normal.

USING THE OVEN

BEFORE USING THE OVEN

NOTE

- The temperature registered by an oven thermometer may differ from the actual set oven temperature.
- It is normal for the convection fan to run while preheating during a regular bake cycle.
- The convection fan motor may run periodically during a regular bake cycle.

REMOVING AND REPLACING THE OVEN RACKS

CAUTION

- Replace oven racks before turning the oven on to prevent burns.
- DO NOT cover the racks with aluminum foil, or any other material, or place anything on the bottom of the oven. Doing so will result in poor baking and may damage the oven bottom.
- Only arrange oven racks when the oven is cool.

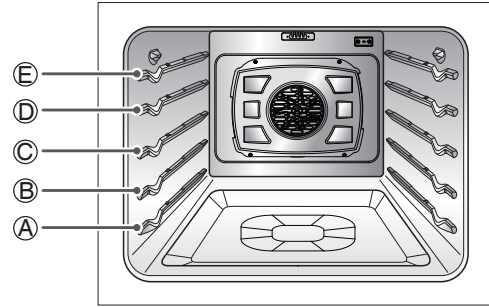
Removing the Racks

1. While wearing oven mitts, grasp the oven rack.
2. Pull the rack straight out until it stops.
3. Lift up the front of the rack.
4. Pull out the rack.

Replacing the Racks:

1. While wearing oven mitts, place the end of the rack on the support.
2. Tilt the front end of the rack up.
3. Push the rack in.
4. Check that the rack is properly in place.

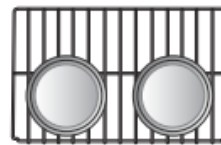
Rack and Pan Placement



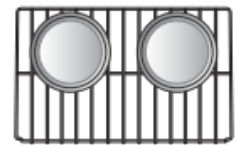
If cooking on two racks:
Place standard oven racks in positions B and D.

Place the cookware as shown below. If baking with more than one pan, place the pans so that each one has at least 1" to 1 1/2" of air space around them.

Multiple rack baking

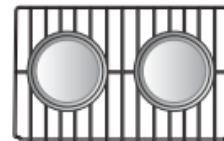


Standard Rack
(Position B)



Standard Rack
(Position D)

Single rack baking



Standard Rack
(Position C)

Type of Food	Rack Position
Angel food cake, frozen pies	A
Bundt or pound cakes	B
Biscuits, muffins, brownies, cookies, cupcakes, layer cakes, pies	C
Casseroles	C
Turkey, roasts, or ham	A
Frozen pizza	C
Roast chicken	B

Oven Vent

- Areas near the vent may become hot during operation and may cause burns.
- **Do not** block the vent opening at the bottom of the oven.
- Avoid placing plastics near the vent as heat may distort or melt the plastic.
- It is normal for steam to be visible when cooking foods with high moisture.

BAKE

Use BAKE to prepare foods such as pastries, breads and casseroles. The oven can be programmed to bake at any temperature from 170°F (80°C) to 550°F (285°C). The default temperature is 350°F (175°C).

Setting the BAKE mode

1. Turn the Oven Mode knob to select the **BAKE** mode.
2. Set the oven temperature. For example, turn the Time/Temp knob clockwise until 375°F appears in the display.
3. Touch **START**.

The word PREHEATING and 100°F appears in the display. As the oven preheats the temperature is displayed in 5-degree increments. Once the oven reaches the desired temperature, a tone sounds.

PREHEATING

Place the food in the oven after preheating. Preheating is necessary for better cooking results.

4. When cooking is finished, turn the Oven Mode knob to the **OFF** position.
5. Remove the food from the oven.

Displays for the BAKE mode



Changing the Temperature while Baking

1. Turn the Time/Temp knob to reset the oven temperature.
For example, turn the knob clockwise to reset the temperature from 375°F to 425°F.
2. Touch **START**.



NOTE

It is normal for the convection fan to operate periodically throughout a normal bake cycle. This is to ensure even baking results.

Baking Tips

Follow the recipe or convection food directions for baking temperature, time, and rack position. Baking time and temperature will vary depending on the ingredients, size, and shape of the baking pan used.

- For best results, food should be placed on a single rack with at least 1" to 1 1/2" of air space between the pans and oven walls.
- Check for doneness at the minimum time.
- Use metal bakeware (with or without a nonstick finish), heatproof glass-ceramic, ceramic or other bakeware recommended for oven use.
- Dark metal pans or nonstick coatings will cook faster with more browning. Insulated bakeware will slightly lengthen the cooking time for most foods.



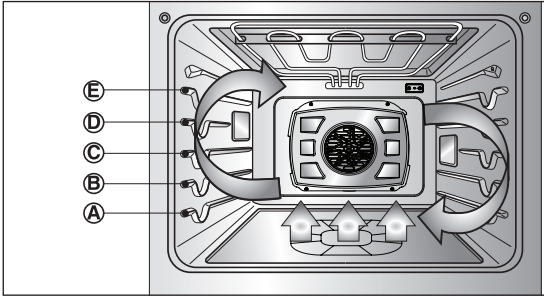
NOTE

The oven bottom has a porcelain-enamel finish. To make cleaning easier, protect the oven bottom from excessive spills by placing a cookie sheet on the rack below the rack you are cooking on. This is particularly important when baking a fruit pie or other foods with a high acid content. Hot fruit fillings or other foods that are highly acidic may cause pitting and damage to the porcelain-enamel surface and should be wiped up immediately.

CONVECTION BAKE

Benefits of Convection Bake

- Some foods cook up to 25 to 30% faster, saving time and energy.
- Even cooking results during multiple rack baking.
- No special pans or bakeware needed.



Convection baking uses a fan to circulate the oven's heat evenly and continuously within the oven. This improved heat distribution allows for even cooking and excellent results using multiple racks at the same time. Foods cooked on a single oven rack will generally cook faster and more evenly with Convection Bake. Multiple oven rack cooking may slightly increase cook times for some foods, but the overall result is time saved. Breads and pastries brown more evenly.

Tips for Convection Baking

- Time saved will vary depending on the amount and type of food to be cooked. Cookies and biscuits should be baked on pans with no sides or very low sides to allow heated air to circulate around the food. Food baked on pans with a dark finish will cook faster.
- When using Convection Bake with a single rack, place the oven rack in position C. If cooking on multiple racks, place the oven racks in positions B and D.
- Cookies, muffins, biscuits and other quickbreads give very good results when using multiple racks.

Setting the CONVECTION BAKE Mode

1. Turn the Oven Mode knob to select the **CONV. BAKE** mode. 350°F (175°C) appears in the display.
2. Set the oven temperature.
For example, turn the Time/Temp knob clockwise to set the temperature to 375°F.
3. Touch **START**. The display shows CONV BAKE and the converted temperature starting at 100°F (35°C). As the oven preheats, the display shows increasing temperatures in 5-degree increments. Once the oven reaches the desired adjusted temperature, a tone sounds. The display shows the auto converted oven temperature (reduced by 25°F or 14°C).
4. Turn the Oven Mode knob to the **OFF** position to cancel Convection Bake at any time.



NOTE

The heating elements and a fan turn off immediately when the door is opened. They turn on again approximately 1 seconds after the door is closed. Turn the Oven Mode knob to the **OFF** position to cancel Convection Bake at any time.

Displays for the CONV. BAKE mode



ROAST

Use the ROAST mode to cook large cuts of meat.

Setting the ROAST Mode

1. Turn the Oven Mode knob to select the **ROAST** mode. 350°F (175°C) appears in the display.
2. Set the oven temperature in the display. For example, turn the Time/Temp knob clockwise to set the temperature to 375°F.
3. Touch **START**.

NOTE

It is normal for cooling fans to run after any cooking cycle is complete, to protect the control panel.

Changing the Temperature while Roasting

1. Turn the Time/Temp knob to reset the oven temperature. For example, turn the knob clockwise to reset the temperature from 375°F to 425°F.
2. Touch **START**.

NOTE

- The heating elements turn off immediately when the door is opened. They turn on again in approximately 1 seconds after the door is closed.
- When preparing meats for roasting, use the broiler pan and grid. The broiler pan catches grease spills and the grid helps prevent grease splatters.
- Turn the Oven Mode knob to the **OFF** position to cancel Roast at any time.

CONVECTION ROAST

The Convection Roast mode is designed to give optimum cooking performance for roasting meats and poultry. Preheating is not necessary for meats and poultry. Heated air circulates around the food from all sides, sealing in juices and flavors. Foods are crispy brown on the outside while staying moist on the inside. Convection Roast is especially good for large tender cuts of meat.

Setting the CONVECTION ROAST Mode

1. Turn the Oven Mode knob to select the **CONV. ROAST** mode. 350°F (175°C) appears in the display.
2. Set the oven temperature. For example, turn the Time/Temp knob clockwise to set the temperature to 375°F.
3. Touch **START**. The display shows CONV ROAST and the temperature, starting at 100°F (35°C). As the oven preheats, the display shows the increasing temperature in 5-degree increments. Once the oven reaches the adjusted set temperature, a tone sounds. The display shows the auto-converted oven temperature (reduced by 25°F or 14°C), CONV ROAST, and the fan icon.
4. Turn the Oven Mode knob to the **OFF** position to cancel Convection Roast at any time.

NOTE

The heating elements and a fan turn off immediately when the door is opened. They turn on again in approximately 1 seconds after the door is closed. When preparing meats for roasting, use the broiler pan and grid. The broiler pan catches grease spills and the grid helps prevent grease splatters. Adjust the Oven Mode knob to the **OFF** position to cancel the Convection Roast feature at any time.

NOTE

It is normal for cooling fans to run after any cooking cycle is complete, to protect the control panel.

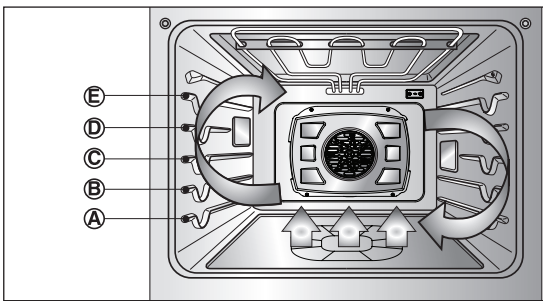
Displays for the CONV. ROAST mode



CRISP CONVECTION

Benefits of Crisp Convection:

The crisp convection mode is best for light colored and delicate baked goods like cakes, tarts, cookies, puff pastries, scones, muffins, biscuits, yeast-free breads, etc. The hot air circulated by the fan continually distributes heat more evenly than the natural movement of air in a standard thermal oven. This movement of hot air cooks foods more evenly, crisping surfaces while sealing in moisture and yielding crustier breads. The crisp convection heating element heats up faster, reducing cooking time by as much as 30 percent.



Tips for Crisp Convection

- Time saved will vary depending on the amount and type of food to be cooked. Choose cookie sheets without sides and roasting pans with very low sides to allow heated air to circulate around the food. Food baked on pans with a dark finish will cook faster.
- When using Crisp Convection with a single rack, place the oven rack in position C. If cooking on multiple racks, place the oven racks in positions B and D.
- It is important to uncover foods so that surfaces of food remain exposed to the circulating air, allowing browning and crisping.
- Keep heat loss to a minimum by only opening the oven door when necessary.

Setting the Crisp Convection Mode

1. Turn the Oven Mode knob to select the **CRISP CONV.** mode. 350°F (175°C) appears in the display.
2. Set the oven temperature. For example, turn the Time/Temp knob clockwise to set the temperature to 375°F.
3. Touch **START**. The display shows CONV and the temperature, starting at 100°F (35°C). As the oven preheats, the display shows the increasing temperature in 5-degree increments. Once the oven reaches the adjusted set temperature, a tone sounds. The display shows the auto-converted oven temperature (reduced by 25°F or 14°C).
4. Turn the Oven Mode knob to the **OFF** position to cancel Crisp Convection at any time.



NOTE

The heating elements and a fan turn off immediately when the door is opened. They turn on again in approximately 1 seconds after the door is closed. Turn the Oven Mode knob to the **OFF** position to cancel Crisp Convection at any time.



NOTE

It is normal for cooling fans to run after any cooking cycle is complete, to protect the control panel.

BROIL

Broiling uses an intense, radiant heat to cook food. Both the inner and outer broil elements heat during full broiling. Only the inner broil element heats during center broiling. The element(s) cycle on and off at intervals to maintain the oven temperature. The meat probe cannot be used with this mode.

Keep the oven door closed while broiling. Let the oven preheat for approximately five minutes before cooking food.



CAUTION

- DO NOT use a broiler pan without a grid. Oil can cause a grease fire.
- DO NOT cover the grid and broiler pan with aluminum foil. Doing so will cause a fire.
- Always use a broiler pan and grid for excess fat and grease drainage. This will help to reduce splatter, smoke, and flare-ups.



CAUTION

- Should an oven fire occur, leave the oven door closed and turn the oven off. If the fire continues, throw baking soda on the fire or use a fire extinguisher.
- DO NOT put water or flour on the fire.
 - Flour may be explosive and water can cause a grease fire to spread and cause personal injury.



NOTE

The oven is designed for CLOSED DOOR broiling.

Setting the BROIL Mode

1. Place food on the broiler pan grid.
2. Turn the Oven Mode knob to select the **BROIL** mode. *HIGH-PRESS START* appears in the display.
3. Turn the Time/Temp knob to select between Full Broil ☐ (High, Med, Low) and Center Broil ☐ (High, Med, Low). Full Broil uses all of the broil heaters and Center Broil uses only the center broil heater to broil.
4. Touch **START**.
5. If using Broil, it is best to let the oven preheat for approximately five minutes before cooking food. Broil on one side until food is browned ; turn and broil on the other side.
6. When broiling is finished, turn the Oven Mode knob to the **OFF** position to cancel Broil at any time.

Smoking

Due to the intense heat associated with broiling, it is normal to experience smoke during the cooking process. This smoke is a natural by-product of searing and should not cause you to worry. If you are experiencing more smoke than you are comfortable with, use the following tips to reduce the amount of smoke in your oven.

1. Always use a broiler pan. Do not use saute pans or regular baking sheets for safety reasons.
2. NEVER use a broiler pan that is not thoroughly cleaned and at room temperature at the beginning of cooking.
3. ALWAYS run your cooktop ventilation system or vent hood during broiling.
4. Keep the interior of your oven as clean as possible. Leftover debris from prior meals can burn or catch fire.
5. Avoid fatty marinades and sugary glazes. Both of these will increase the amount of smoke you experience. If you would like to use a glaze, apply it at the very end of cooking.
6. If you are experiencing significant smoke with any food item, consider:
 - Lowering the broiler to the LO setting.
 - Lowering the rack position to cook the food further away from the broiler.
 - Using the HI broil setting to achieve the level of searing you desire, and then either switching to the LO broil setting, or switching to the BAKE function.
7. As a rule, fattier cuts of meat and fish will produce more smoke than leaner items.
8. Adhere to the recommended broil settings and cooking guidelines in the chart on the following page whenever possible.



NOTE

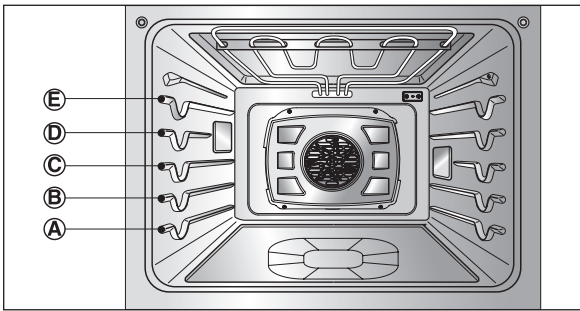
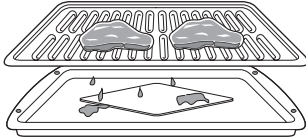
The heating element(s) turn off immediately when the door is opened. They turn on again approximately 1 seconds after the door is closed. Turn the Oven Mode knob to the **OFF** position to cancel Broil at any time.

RECOMMENDED BROILING GUIDE

The size, weight, thickness, starting temperature, and your preference of doneness will affect broiling times. The following guide is based on meats at refrigerator temperature.

! NOTE

Always use a broiler pan and grid when broiling.



Broiling Chart

Food	Quantity and/or Thickness	Rack Position	First Side Time (min.)	Second Side Time (min.)	Comments
Ground Beef	1 lb. (4 patties) 1/2 to 3/4" thick	E	4–6	3–4	Space evenly. Up to 8 patties may be broiled at once.
Beef Steaks					
Rare	1" thick	D	6	2–3	Steaks less than 1" thick cook through before browning. Pan frying is recommended. Remove fat.
Medium	1 to 1-1/2 lbs.	D	7	2–3	
Well Done		D	8	3–4	
Rare	1-1/2" thick	D	10	4–6	
Medium	2 to 2-1/2 lbs.	D	12	4–8	
Well Done		D	14	8–10	
Chicken	1 whole cut up 2 to 2-1/2 lbs., split lengthwise	C	20	6–8	Broil skin-side-down first.
2 Breasts		C	20	6–10	
Lobster Tails	2–4 10 to 12 oz. each	C	12-14	Do not turn over.	Cut through back of shell. Spread open. Brush with melted butter before broiling and after half of broiling time.
Fish Fillets	1/4 to 1/2" thick	D or E	5-6	3–4	Handle and turn very carefully. Brush with lemon butter before and during cooking, if desired.
Ham Slices (precooked)	1/2" thick	D	5	3–5	Increase time 5 to 10 minutes per side for 1-1/2" thick or home-cured ham.
Pork Chops	2 (1/2" thick)	D or E	7	6–8	Remove fat.
Well Done	2 (1" thick) about 1 lb.	D or E	9-10	7–9	
Lamb Chops					Remove fat.
Medium	2 (1" thick) about 10 to 12 oz.	D	6	4–6	
Well Done		D	8	7–9	
Medium	2 (1-1/2" thick) about 1 lb.	D	11	9	
Well Done		D	13	9–11	
Salmon Steaks	2 (1" thick) 4 (1" thick) about 1 lb.	D or E D or E	8 9	3–4 4–6	Grease pan. Brush steaks with melted butter.

Broiling Tips

Beef

- Steaks and chops should always be allowed to rest for five minutes before being cut into and eaten. This allows the heat to distribute evenly through the food and creates a more tender and juicy result.
- Pieces of meat that are thicker than two inches should be removed from the refrigerator 30 minutes prior to cooking. This will help them cook more quickly and evenly, and will produce less smoke when broiling. Cooking times will likely be shorter than the times indicated in the Broiling Chart.
- For bone-in steaks or chops that have been *Frenched* (all meat removed from around the bone), wrap the exposed sections of bone in foil to reduce burning.

Seafood

- When broiling skin-on fish, always use the Medium broil setting and always broil the skin side last.
- Seafood is best consumed immediately after cooking. Allowing seafood to rest after cooking can cause it to dry out.
- It is a good idea to rub a thin coating of oil on the surface of the broiling pan before cooking to reduce sticking, especially with fish and seafood. You can also use a light coating of non-stick pan spray.

Vegetables

- Toss vegetables lightly in oil before cooking to improve browning.

WARM

The WARM mode maintains an oven temperature of 200°F (93°C) or less. Use the Warm mode to keep cooked food at serving temperature for up to three hours after the end of the cooking cycle. Do not use the Warm mode to try to cook food or reheat cold food.

Setting the WARM Mode

1. Turn the Oven Mode knob to select the **WARM** mode.
2. Turn the Time/Temp knob to select from High, Medium, or Low temperature levels.
3. Touch **START**.
4. Turn the Oven Mode knob to the **OFF** position to cancel Warm at any time.

! NOTE

The warm feature has three temperature levels :
High=200°F, Med=170°F, Low=140°F
(High=93.3°C, Med=76.7°C, Low=60°C)

! NOTE

The WARM function is intended to keep food warm. Do not use it to cool food down.

Displays for the WARM mode



PROOF

The Proof feature maintains a warm environment for rising yeast-leavened products before baking.

! NOTE

For best results, cover the dough with a cloth or with plastic wrap (the plastic may need to be anchored underneath the container so the oven fan does not blow it off).

Setting the PROOF Mode

This feature maintains a warm oven for rising yeast-leavened products before baking.

1. Turn the Oven Mode knob to select the **PROOF** mode.
2. Touch **START**. The proof feature automatically provides the optimum temperature for the proof process, and therefore does not have a temperature adjustment.
3. When proofing is finished, turn the Oven Mode knob to the **OFF** position.


Display for the PROOF mode



! NOTE

- To avoid lowering the oven temperature and lengthening proofing time, do not open the oven door unnecessarily. Check bread products early to avoid over proofing.
- Do not use the proofing mode for warming food or keeping food hot. The proofing oven temperature is not hot enough to keep foods at safe temperatures. Use the WARM feature to keep food warm. Proofing doesn't operate when the oven is above 125°F(52°C). *OVEN IS HOT* shows in the display.

MEAT PROBE

The meat probe accurately measures the internal temperature of meat, poultry and casseroles. It should not be used during the broiling, self cleaning, warming or proofing mode. Always unplug and remove the meat probe from the oven before removing food. Before using, insert the probe into the center of the thickest part of meat or into the inner thigh or breast of poultry, away from fat or bone. Place food in the oven and connect the meat probe to the jack. Keep the probe as far away from heat sources as possible. Close the oven door. The meat probe icon  flashes and a warning beep sounds until the probe is removed if the oven starts cooking without the probe temperature being set.

Using the Meat Probe Feature

- 1. Turn the Oven Mode knob to select the **ROAST** mode. 350°F (175°C) appears in the display.
- 2. Set the oven temperature. For example, turn the Time/Temp knob clockwise to set the temperature to 375°F.
- 3. Touch **START** or **PROBE**. *PRESS START OR ENTER PROBE TEMP / 80F – 210F* appears in the display.
- 4. Set the probe temperature. For example, turn the Time/Temp knob clockwise to set the probe temperature to 160°F.
- 5. Touch **START**.

The default probe temperature is 150°F (65°C), but can be changed to any temperature between 80°F (27°C) and 210°F (100°C). The display shows the changing probe temperature. When the set probe temperature is reached, the oven shuts off automatically.

NOTE

Calculating a total cooking time by weight is no longer necessary using this feature. The following chart is recommended for setting the probe temperature.

CAUTION

Always use an oven mitt to remove the temperature probe. Do NOT touch the broil element.
- Failure to follow this warning can result in severe personal injury.

Changing the Probe Temperature while Cooking

- 1. Touch **PROBE**.
- 2. Set the probe temperature by turning the Time/Temp knob.
- 3. Touch **START**.

NOTE

Turn the Oven Mode knob to cancel Meat Probe at any time. To avoid breaking the probe, make sure food is completely defrosted before inserting the probe.

Recommended Probe Temperatures

Doneness	Probe Temp.
Beef, Lamb and Veal	
Rare	130°F (54°C)
Medium Rare	140°F (60°C)
Medium	150°F (66°C)
Well Done	160°F (77°C)
Beef, Lamb and Veal	
Well Done	170°F (77°C)
Poultry	
Breast, Well Done	170°F (77°C)
Thigh, Well Done	180°F (82°C)
Stuffing, Well Done	165°F (74°C)

NOTE



- The meat probe can't be used with the Broil, Self Clean, EasyClean®, Warm, or Proof modes.
- While the meat probe mode is running, **COOK TIME** does not respond.

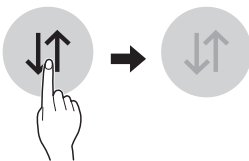
SMART FUNCTIONS

LG SMARTTHINQ APPLICATION

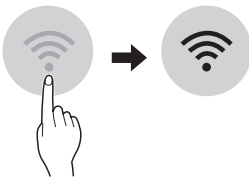
The LG SmartThinQ application allows you to communicate with the appliance using a smartphone.

BEFORE USING LG SMARTTHINQ


- For appliances with the  or  logo
 - Use a smartphone to check the strength of the wireless router (Wi-Fi network) near the appliance.
 - 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 register or installation may fail.
 - Turn off the **Mobile data** or **Cellular Data** on your smartphone.
 - For iPhones, turn data off by going to **Settings** → **Cellular** → **Cellular Data**.



- Connect your smartphone to the wireless router.



! NOTE

- To verify the Wi-Fi connection, check that **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 SmartThinQ is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.
- The surrounding wireless environment can make the wireless network service run slowly.



! NOTE

- 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 network connection may not work properly depending on the Internet service provider.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- If the appliance cannot be registered due to problems with the wireless signal transmission, unplug the appliance and wait about a minute before trying 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**, network setup may fail. Change the security protocol (**WPA2** is recommended), and register the product again.

INSTALLING THE LG SMARTTHINQ APPLICATION

Search for the LG SmartThinQ application from the Google Play Store or Apple App Store on a smart phone. Follow instructions to download and install the application.

LG SMARTTHINQ APPLICATION FEATURES

- For appliances with the  or  logo

Cleaning

This function helps you to check the energy efficiency, usage and guide of EasyClean®.

Smart Diagnosis™

This function provides useful information for diagnosing and solving issues with the appliance based on the pattern of use.

Settings

Allows you to set various options on the oven and in the Application.

Monitoring

This function helps you recognize the current status, remaining time, cook settings and end time on the screen.

Push Alerts

Turn on the Push Alerts to receive appliance status notifications.

The notifications are triggered even if the LG SmartThinQ application is off.

Timer

You can set the timer from the application.

Firmware Update

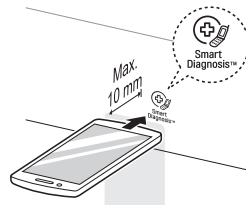
Keep the appliance updated.

NOTE



- If you change your wireless router, Internet service provider, or password, delete the registered appliance from the LG SmartThinQ application and register it again.
- This information is current at the time of publication. The application is subject to change for product improvement purposes without notice to users.

SMART DIAGNOSIS™ FUNCTION

Should you experience any problems with the appliance, it has the capability of transmitting data via your telephone to the LG Customer Information Center. NFC or Wi-Fi equipped models can also transmit data to a smartphone using the LG SmartThinQ application.



SMART DIAGNOSIS™ THROUGH THE CUSTOMER INFORMATION CENTER

- For appliances with the  or  logo

This method allows you to speak directly to our trained specialists. The specialist records the data transmitted from the appliance and uses it to analyze the issue, providing a fast and effective diagnosis.

- Call the LG call center at: (LG U.S.) 1-800-243-0000 (LG Canada) 1-888-542-2623.
- When instructed to do so by the call center agent, hold the mouthpiece of your phone over the Smart Diagnosis™ logo on the machine. Hold the phone no more than one inch from (but not touching) the machine.

NOTE



Do not touch any other buttons or icons on the display screen.

- Press and hold the **Start** button for three seconds.
- Keep the phone in place until the tone transmission has finished. This takes about 6 seconds and the display will count down the time.
- Once the countdown is over and the tones have stopped, resume your conversation with the call center agent, who will then be able to assist you in using the information transmitted for analysis.

NOTE

- For best results, do not move the phone while the tones are being transmitted.
- If the call center agent is not able to get an accurate recording of the data, you may be asked to try again.

LG SMARTTHINQ SMART DIAGNOSIS™

- For appliances with the  or  logo

Use the Smart Diagnosis feature in the LG SmartThinQ application for help diagnosing issues with the appliance without the assistance of the LG Customer Information Center.

Follow the instructions in the LG SmartThinQ application to perform a Smart Diagnosis using your smartphone.

- Open the LG SmartThinQ application on the smart phone.
- In the application, select the appliance from your list of connected appliances and then press the dots at the upper right of the screen.
- Select **Smart Diagnosis**, then press the **Start Smart Diagnosis** button.



NOTE

- If the diagnosis fails several times, use the following instructions.

- Select the **Audible Diagnosis**.
- Follow the instructions on the smart phone.
- Keep the phone in place until the tone transmission has finished. View the diagnosis on the phone.



NOTE

- Smart Diagnosis™ cannot be activated unless the appliance can be turned on using the **Power** button. If the appliance cannot be turned on, troubleshooting must be done without using Smart Diagnosis™.
- The Smart Diagnosis™ function depends on the local call quality.
- The communication performance will improve and you can receive better service if you use the home phone.
- If the Smart Diagnosis™ data transfer is poor due to poor call quality, you may not receive the best Smart Diagnosis™ service.

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. 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.

Wireless module (LCW-003) Specifications	
Frequency Range	2412~2462 MHz
Output Power (max.)	IEEE 802.11 b : 17.56 dBm IEEE 802.11 g : 25.53 dBm IEEE 802.11 n : 25.29 dBm

FCC NOTICE (FOR 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 of the device.

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.

MAINTENANCE

SELF-CLEAN

The self clean cycle uses extremely hot temperatures to clean the oven cavity. While running the Self Clean cycle, you may notice smoking or an odor. This is normal; especially if the oven is heavily soiled. During Self Clean, the kitchen should be well-ventilated to minimize the odors from cleaning.



CAUTION

- DO NOT leave small children unattended near the appliance. During the Self Clean cycle, the outside of the oven can become very hot to touch.
- If you have pet birds, move them to another well-ventilated room. The health of some birds is extremely sensitive to the fumes given off during the Self Clean cycle of any oven.
- DO NOT line the oven walls, racks, bottom or any other part of the oven with aluminum foil or any other material. Doing so will destroy heat distribution, produce poor baking results and cause permanent damage to the oven interior (aluminum foil will melt to the interior surface of the oven).
- DO NOT force the door open. This can damage the automatic door locking system. Use care when opening the oven door after the Self Clean cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape. The oven may still be VERY HOT.

Before starting Self Clean:

- Remove the oven racks, broiler pan, broiler grid, all cookware, aluminum foil or any other material from the oven.
- The kitchen should be well-ventilated to minimize the odors from cleaning.
- Wipe any heavy spillovers on the bottom of the oven.
- Make sure that the oven light bulb cover is in place and the oven light is off.
- The oven light cannot be turned on during a self clean cycle. The oven light cannot be turned on until the oven temperature has cooled below 500°F (260°C) after a self clean cycle is complete.



NOTE

- Remove oven racks and accessories before starting the self clean cycle.
- If oven racks are left in the oven cavity during the self clean cycle, they will discolor and become difficult to slide in and out.
- Clean the frame of the oven and door with hot soapy water. Rinse well.
- Do not clean the gasket. The fiberglass material of the oven door gasket cannot withstand abrasion.
- It is essential for the gasket to remain intact. If you notice it becoming worn or frayed, replace it.
- Wipe up any heavy spillovers on the oven bottom.
- Make sure that the oven light bulb cover is in place and the oven light is off.

Setting Self Clean

The Self- Clean function has cycle times of 3, 4, or 5 hours.

Self Clean Soil Guide

Soil Level	Cycle Setting
lightly soiled oven cavity	3 Hour Self Clean
moderately soiled oven cavity	4 Hour Self Clean
heavily soiled oven cavity	5 Hour Self Clean

1. Remove all racks and accessories from the oven.
2. Turn the Oven Mode knob to select the **SELF CLEAN** mode. The oven defaults to the recommended four-hour self clean for a moderately soiled oven. Turn the Time/Temp. knob to adjust the self clean time from 3 to 5 hours.
3. Press **START**.
4. Once the Self Clean is set, the oven door locks automatically and the lock icon displays. You will not be able to open the oven door until the oven has cooled. The lock releases automatically when the oven has cooled.



CAUTION

DO NOT force the oven door open when the lock icon is displayed. The oven door will remain locked until the oven temperature has cooled. Forcing the door open will damage the door.

Setting Self Clean with a Delayed Start

1. Remove all racks and accessories from the oven.
2. Turn the Oven Mode knob to select the **SELF CLEAN** mode. The oven defaults to the recommended four-hour self clean for a moderately soiled oven. Turn the Time/Temp knob to select the self clean time from 3 to 5 hours.
3. Press **START TIME**.
4. Turn the Time/Temp knob to enter the time of day you would like the Self Clean to start.
5. Press **START**.

! NOTE

It may become necessary to cancel or interrupt a self clean cycle due to excessive smoke or fire in the oven. To cancel the Self Clean function, turn the Oven Mode knob to the **OFF** position.

During Self Clean

- The self clean cycle uses extremely hot temperatures to clean the oven cavity. While running the Self Clean cycle, you may notice smoking or an odor. This is normal, especially if the oven is heavily soiled.
- As the oven heats, you may hear sounds of metal parts expanding and contracting. This is normal and will not damage the oven.
- Do not force the oven door open when **LOCKED** is displayed. The oven door will remain locked until the oven temperature has cooled. Forcing the door open will damage the door.

! NOTE

- The Self Clean cycle cannot be started if the Lockout feature is active.
- Once the Self Clean cycle is set, the oven door will lock automatically. You will not be able to open the oven door until the oven is cooled. The lock will release automatically.
- Once the door has been locked, the **LOCKED** indicator light will stop flashing and remain on. Allow about 15 seconds for the oven door lock to activate.
- If the clock is set for a 12 hour display (default) the Delayed Self Clean can never be set to start more than 12 hours in advance.

After the Self Clean Cycle

- The oven door will remain locked until the oven temperature has cooled.
- You may notice some white ash in the oven. Wipe it off with a damp cloth or a soap-filled steel wool pad after the oven cools. If the oven is not clean after one clean cycle, repeat the cycle.
- If oven racks were left in the oven and do not slide smoothly after a clean cycle, wipe racks and rack supports with a small amount of vegetable oil to make them glide more easily.
- Fine lines may appear in the porcelain because it went through heating and cooling. This is normal and will not affect performance.

Displays for the SELF CLEAN mode



EasyClean®

LG's new oven with EasyClean® enamel technology provides two cleaning options for the oven interior. The EasyClean® feature takes advantage of LG's new enamel to help lift soils without harsh chemicals, and it runs using ONLY WATER for just 10 minutes in low temperatures to help loosen LIGHT soils before hand-cleaning.

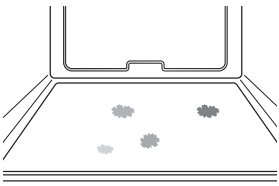
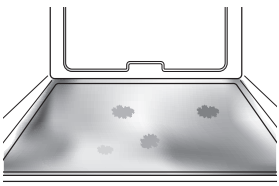
While EasyClean® is quick and effective for small and LIGHT soils, the Self Clean feature can be used to remove HEAVY built up soils. The intensity and high heat of the Self Clean cycle may result in smoke which will require the opening up of windows to provide ventilation. Compared to the more intense Self Clean process, your LG's oven gives you the option of cleaning with LESS HEAT, LESS TIME, and virtually NO SMOKE OR FUMES.

When needed, your oven still provides the Self Clean option for longer, more thorough cleaning for heavier, built up soils.

BENEFITS OF EasyClean®

- **Helps loosen light soils** before hand-cleaning
- **EasyClean® only uses water;** no chemical cleaners
- Makes for a better Self Clean experience
 - Delays the need for a Self Clean cycle
 - **Minimizes smoke and odors**
 - Can allow shorter Self Clean time

WHEN TO USE EasyClean®

Suggested Cleaning Method	Example of Oven Soiling	Soil Pattern	Types of Soils	Common Food Items That Can Soil Your Oven
EasyClean®		Small drops or spots	Cheese or other ingredients	Pizza
		Light splatter	Fat/grease	Steaks, broiled
				Fish, broiled
Self Clean*		Medium to heavy splatter	Fat/grease	Meat roasted at low temperatures
		Drops or spots	Filling or Sugar based soils	Meat roasted at high temperatures
			Cream or tomato sauce	Pies
				Casseroles

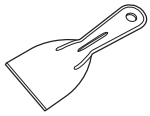
*The Self Clean cycle can be used for soil that has been built up over time.

CLEANING TIPS

- Allow the oven to cool to room temperature before using the EasyClean® cycle. If your oven cavity is above 150°F (65°C), "OVEN IS HOT- - PLEASE WAIT" will appear in the display, and the EasyClean® cycle will not be activated until the oven cavity cools down.
- A plastic spatula can be used as a scraper to scrape off any chunks or debris before and during oven cleaning.
- Using the rough side of a non-scratch scouring pad may help to take off burnt-on stains better than a soft sponge or towel.
- Certain non-scratch scrubbing sponges, such as those made of melamine foam, available at your local stores, can also help improve cleaning.
- The oven should be level to ensure that the bottom surface of the oven cavity is entirely covered by water at the beginning of the EasyClean® cycle.
- For best results, use distilled or filtered water. Tap water may leave mineral deposits on the oven bottom.
- Soil baked on through several cooking cycles will be more difficult to remove with the EasyClean® cycle.
- Do not open the oven door during the EasyClean® cycle. Water will not get hot enough if the door is opened during the cycle.
- For hard to reach areas such as the back surface of the lower oven, it is better to use the Self Clean cycle.

EasyClean® INSTRUCTION GUIDE

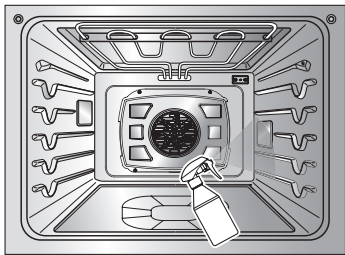
1. Remove oven racks and accessories from the oven.
2. Scrape off and remove any burnt-on debris with a plastic scraper.



Suggested plastic scrapers:

- Hard plastic spatula
- Plastic pan scraper
- Plastic paint scraper
- Old credit card

3. Fill a spray bottle (10 oz or 300 ml) with water and use the spray bottle to thoroughly spray the inside surfaces of the oven.



4. Use at least $\frac{1}{5}$ (2 oz or 60 ml) of the water in the bottle to completely saturate the soil on both the walls and in the corners of the oven.
5. Spray or pour the remaining water (8 oz or 240 ml) onto the bottom center of the oven cavity. The indentation on the oven bottom should be fully covered to submerge all soils. Add water if necessary.

! NOTE

If cleaning multiple ovens, use an entire bottle of water to clean each oven. Do not spray water directly on the door. Doing so will result in water dripping to the floor.

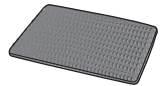
6. Close the oven door.
Turn the Oven Mode knob to select the **EasyClean®** mode.
Press **START**.



CAUTION

- Some surfaces may be hot after the EasyClean® cycle. Wear rubber gloves while cleaning to prevent burns.
- During the EasyClean® cycle, the oven bottom becomes hot enough to cause burns. Wait until the cycle is over before wiping the inside surface of the oven. Failure to do so may result in burns.
- Avoid leaning or resting on the oven door glass while cleaning the oven cavity.

7. A tone will sound at the end of the 10-minute cycle. adjust the Oven Mode knob to OFF position to clear the display and end the tone.
8. After the cleaning cycle and during hand-cleaning, enough water should remain on the oven bottom to completely submerge all soils. Add water if necessary. Place a towel on the floor in front of the oven to capture any water that may spill out during hand-cleaning.
9. Clean the oven cavity immediately after the EasyClean® cycle by scrubbing with a wet, non-scratch scouring sponge or pad. (The scouring side will not scratch the finish.) Some water may spill into the bottom vents while cleaning, but it will be captured in a pan under the oven cavity and will not hurt the burner.



NOTE

DO NOT use any steel scouring pads, abrasive pads or cleaners as these materials can permanently damage the oven surface.

10. Once the oven cavity is cleaned, wipe any excess water with a clean dry towel. Replace racks and any other accessories.
11. If some light soils remain, repeat the above steps, making sure to thoroughly soak the soiled areas. If stubborn soils remain after multiple EasyClean® cycles, run the Self Clean cycle. Be sure that the oven cavity is empty of oven racks and other accessories, and that the oven cavity surface is dry before running the Self Clean cycle. Consult the Self Clean section of your owner's manual for further details.



NOTE

- If you forget to saturate the inside of the oven with water before starting EasyClean®, turn the Oven Mode knob to the OFF position to end the cycle. Wait for the oven to cool to room temperature and then spray or pour water into the oven and start another EasyClean® cycle.
- The cavity gasket may be wet when the EasyClean® cycle finishes. This is normal. Do not clean the gasket.
- If mineral deposits remain on the oven bottom after cleaning, use a cloth or sponge soaked in vinegar to remove them.

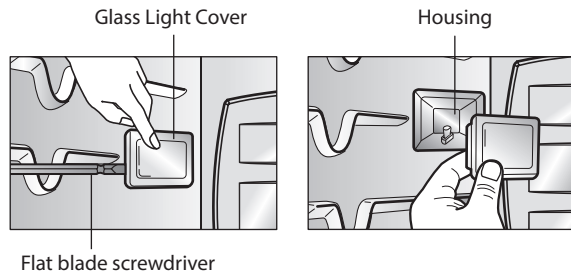
CHANGING THE OVEN LIGHT

The oven light is a standard 10-watt halogen bulb for ovens.

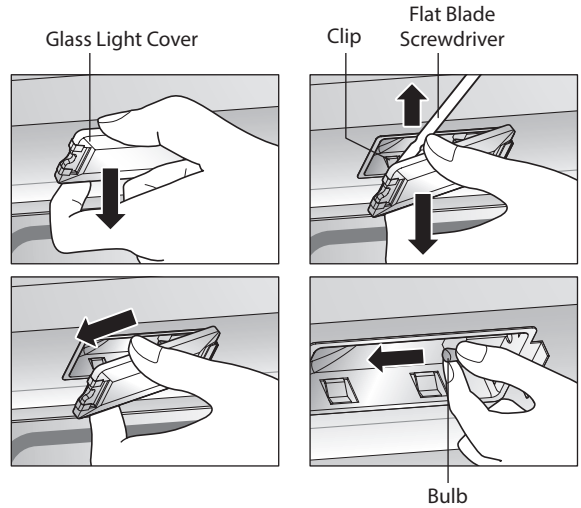
Replacing Lamp on Side Wall

• Make sure oven and bulb are cool.

1. Unplug oven or disconnect power.
2. Remove oven racks.
3. Slide a flat blade screwdriver between the housing and the glass light cover.
4. Support the glass light cover with two fingers to prevent the cover from falling to the bottom of the oven.
5. Gently twist the screwdriver blade to loosen the glass light cover.
6. Remove bulb from socket.
7. Replace bulb, replace light cover by snapping back into place.
8. Plug in oven or reconnect power.



8. Plug in oven or reconnect power.



WARNING

- **Before replacing the oven light bulb, DISCONNECT the electrical power to the oven at the main fuse or circuit breaker panel.**
 - Failure to do so can result in severe personal injury, death, or electrical shock.
- **Make sure oven and bulb are cool.**
- **Wear gloves while changing the oven light.**
 - Glass fragments from broken bulbs can cause risk of injury.

Replacing Lamp on Top Wall

• Make sure oven and bulb are cool.

1. Unplug oven or disconnect power.
2. Remove oven racks.
3. Slide a flat blade screwdriver between the housing and the glass light cover.
4. Support the glass light cover with two fingers to prevent the cover from falling to the bottom of the oven.
5. Gently twist the screwdriver blade to loosen the glass light cover.
6. Remove bulb from socket.
7. Replace bulb, replace light cover by snapping back into place and push the clip to hold the glass light cover tightly.

CLEANING THE EXTERIOR

Painted Parts and Trim

For general cleaning, use a cloth with hot and soapy water. For more difficult soils and built-up grease, apply a liquid detergent directly onto the soil. Leave on soil for 30 to 60 minutes. Rinse with a damp cloth and dry. **DO NOT** use abrasive cleaners on any of these materials; they can scratch the parts and trim.

Stainless Steel Surfaces

Do not use a steel-wool pad, it will scratch the surface.

1. Place a small amount of Stainless Steel Appliance Cleaner or polish on a damp cloth or damp paper towel.
2. Clean a small area, rubbing with the grain of the stainless steel if applicable.

3. Dry and buff with a clean, dry paper towel or soft cloth.
4. Repeat as necessary.

! NOTE

If a mineral oil-based stainless steel appliance cleaner has been used before to clean the appliance, wash the surface with a mild soap and water prior to using the Stainless Steel Appliance Cleaner or polish.

Broiler Pan and Grid

Do not clean the broiler pan or grid in a self-cleaning mode.

After broiling, remove the broiler pan from the oven. Remove the grid from the pan. Carefully pour out the grease from the pan into a proper container.



Wash and rinse the broiler pan and grid in hot water with a soap-filled or plastic scouring pad.

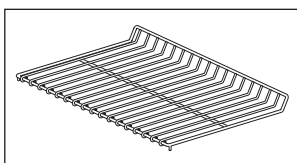
If food has burned on, sprinkle the grid with cleaner while hot and cover with wet paper towels or a dishcloth. Soaking the pan will remove burned-on foods.

Both the broiler pan and grid may be cleaned with a commercial oven cleaner.

Both the broiler pan and grid can also be cleaned in a dishwasher.

Oven Racks

Remove the oven racks before operating the self-clean cycle. Leaving the racks in place could cause discoloration.



If the racks are cleaned in the self-clean cycle, their color will turn slightly blue and finish will be dull. After the self-clean cycle is complete and the oven has cooled, rub the sides of the racks with wax paper or a cloth containing a small amount of oil. This will make the racks glide more easily into the rack tracks.

Oven Cavity

DO NOT use oven cleaners.

NEVER wipe a warm or hot porcelain surface with a damp sponge; it may cause chipping or crazing (tiny hairlike cracks). Food spills should be cleaned when the oven cools. At high temperature, foods react with porcelain and a permanent dull spot can result. When cleaning a spot, use only non-abrasive cleaners or scrubbers.

Oven Door

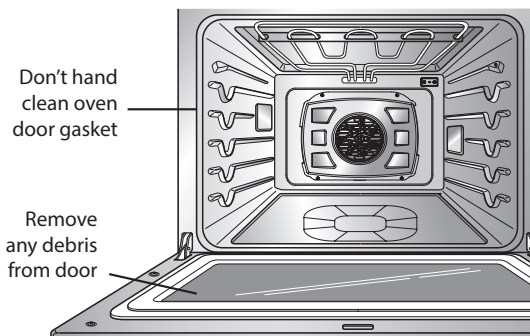
Use soap and water to thoroughly clean the top, sides, and front of the oven door. Rinse well. You may use a glass cleaner on the outside glass of the oven door. **DO NOT** immerse the door in water. **DO NOT spray or allow water or the glass cleaner to enter the door vents.** **DO NOT use oven cleaners, cleaning powders,** or any harsh abrasive cleaning materials on the outside of the oven door.

DO NOT clean the oven door gasket. The oven door gasket is made of a woven material which is essential for a good seal. Care should be taken not to rub, damage, or remove this gasket.



CAUTION

- **DO NOT use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface.**
 - Doing so may result in the glass shattering.



REMOVING AND REPLACING THE LIFT-OFF OVEN DOOR

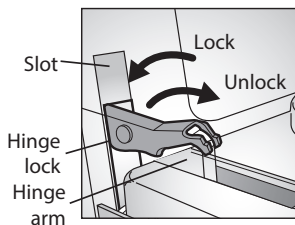


CAUTION

- **Be careful when removing and lifting the door.**
- **DO NOT lift the door by the handle.**
 - The door is very heavy.

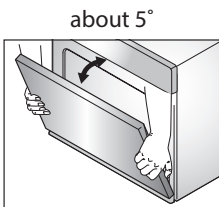
Removing the Door

1. Open the door fully.
2. Pull the hinge locks down toward the door frame to the unlocked position.



Hinge lock open

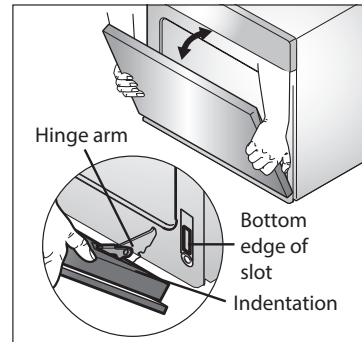
3. Firmly grasp both sides of the door at the top.
4. Close door to the door removal position, which is approximately 5 degrees.



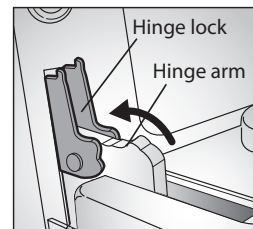
5. Lift door up and out until the hinge arm is clear of the slot.

Replacing the Door

1. Firmly grasp both sides of the door at the top.
2. With the door at the same angle as the removal position, seat the indentation of the hinge arm into the bottom edge of the hinge slot. The notch in the hinge arm must be fully seated into the bottom of the slot.



3. Open the door fully. If the door will not open fully, the indentation is not seated correctly in the bottom edge of the slot.
4. Push the hinge locks up against the front frame of the oven cavity to the locked position.



Hinge locked

5. Close the oven door.

DOOR CARE INSTRUCTIONS

- Most oven doors contain glass that can break.
 1. Do not close the oven door until all the oven racks are fully in place.
 2. Do not hit the glass with pots, pans, or any other object.
 3. Scratching, hitting, jarring, or stressing the glass may weaken its structure causing an increased risk of breakage at a later time.

TROUBLESHOOTING

FAQs

My new oven doesn't cook like my old one. Is there something wrong with the temperature settings?

No, Your oven has been factory tested and calibrated. For the first few uses, follow your recipe times and temperatures carefully. If you still think your new oven is too hot or too cold, you can adjust the oven temperature yourself to meet your specific cooking needs. Refer to the Oven Temperature Adjustment section , page 13, for easy instructions on how to adjust your thermostat.

Is it normal to hear a clicking noise coming from the back of my oven when I am using it?

Your new oven is designed to maintain a tighter control over your oven's temperature. You may hear your oven's heating elements "click" on and off more frequently on your new oven. This is a NORMAL operation.

During convection cooking the fan stops when I open the door. Is that normal?

Yes, this is normal. When the door is opened, the convection fan will stop until the door is closed.

Can I use aluminum foil to catch drippings in my oven cavity?

Never use aluminum foil to line the bottom or sides of the oven. The foil will melt and stick to the bottom surface of the oven, and will not be removable. Use a sheet pan placed on a lower oven rack to catch drippings instead. (If foil has already melted onto the bottom of the oven, it will not interfere with the oven's performance.)

Can I use aluminum foil on the racks?

Do not cover racks with aluminum foil. Covering entire racks with foil restricts air flow, leading to poor cooking results. Use a sheet pan lined with foil under fruit pies or other acidic or sugary foods to prevent spillovers from damaging the oven finish.

Can I leave my racks in the oven when running a Self Clean cycle?

No. Although it will not damage the racks, it will discolor them and may make them hard to slide in and out during use. Remove all items from the oven before starting a Self Clean cycle.

What should I do if my racks are sticky and have become hard to slide in and out?

Over time, the racks may become hard to slide in and out. Apply a small amount of olive oil to the ends of the racks. This will work as a lubricant for easier gliding.

Should I broil with the door open or closed?


Your electric oven isn't designed for open door broiling. If you broil with the oven door open, it can damage the oven knobs and display.



CAUTION

Foil may be used to wrap food in the oven, but do not allow the foil to come into contact with the exposed heating/broiling elements in the oven. The foil could melt or ignite, causing smoke, fire, or injury.

Why aren't the function buttons working?

Make sure that the oven is not in Lockout mode. The lock symbol  will show in the display if Lockout is activated. To deactivate Lockout, touch and hold the **PROBE** button for three seconds. The unlock melody will sound and **UNLOCKING** will appear in the display until the controls are unlocked.

My oven is still dirty after running the EasyClean® cycle. What else should I do?

The EasyClean® cycle **only helps to loosen light soils** in your oven to assist in hand-cleaning of your oven. It **does not automatically remove all soils after the cycle**. Some scrubbing of your oven is required after running the EasyClean® cycle.

I tried scrubbing my oven after running EasyClean®, but some soils still remain. What can I do?

The EasyClean® feature works best when the soils are fully soaked and submerged in water before running the cycle and during hand-cleaning. If soils are not sufficiently soaked in water, it can negatively affect the cleaning performance. Repeat the EasyClean® process using sufficient water. Sugar-based and certain greasy soils are especially hard to clean. **If some stubborn soils remain, use the Self Clean feature** to thoroughly clean your oven.

Soils on my oven walls are not coming off.

How can I get my walls clean?

Soils on the side and rear walls of your oven may be more difficult to fully soak with water. **Try repeating the EasyClean® process with more than the 1/5 cup (2 oz or 60 ml) spray recommended.**

Will EasyClean® get all of the soils and stains out completely?

It depends on the soil type. Sugar-based and certain grease stains are especially hard to clean. Also, if stains are not sufficiently soaked in water, this can negatively affect cleaning performance. **If stubborn or built-up stains remain, use the Self Clean feature.** Refer to the Self Clean section of your owner's manual.

Are there any tricks to getting some of the stubborn soils out?

Scraping the soils with a plastic scraper before and during hand-cleaning is recommended. Fully saturating soils with water is also recommended.

However, certain types of soils are harder to clean than others. **For these stubborn soils, the Self Clean cycle is recommended.** Consult the Self Clean section of your owner's manual for details.

Is it safe for my convection fan, broil burner or heater element to get wet during EasyClean®?

Yes. The convection fan, broiler burner or heater element may get a little wet during cleaning. However, direct spray onto the broil burner and heater elements is not necessary because these are self-cleaning during regular use.

Do I need to use all 1 cups (10 oz or 300 ml) of water for EasyClean®?

Yes. **It is highly recommended that 4/5 cup (8 oz or 240 ml) of water be sprayed or poured on the bottom and an additional 1/5 cup (2 oz or 60 ml) of water be sprayed** on walls and other soiled areas to fully saturate the soils for better cleaning performance.

I see "smoke" coming out of my oven's vents during EasyClean®.

Is this normal?

This is normal. This is not smoke. It is actually water vapor (steam) from the water in the oven cavity. As the oven heats briefly during EasyClean®, the water in the cavity evaporates and escapes through the oven vents.

How often should I use EasyClean®?

EasyClean® can be performed as often as you wish. **EasyClean® works best when your oven is LIGHTLY soiled** from such things as **LIGHT** grease splatter and small drops of cheese. Please refer to the EasyClean® section in your owner's manual for more information.

What is required for EasyClean®?

A spray bottle filled with 1 cups (10 oz or 300 ml) of water, a plastic scraper, a nonscratch scrubbing pad and a towel. You should not use abrasive scrubbers such as heavy-duty scouring pads or steel wool. Except for a towel, all of the materials you need are included in a special cleaning kit with your new oven.

BEFORE CALLING FOR SERVICE

Before you call for service, review this list. It may save you time and expense. The list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Problem	Possible Causes / Solutions							
Oven control beeps and displays any F error code.	<ul style="list-style-type: none">Electronic control has detected a fault condition. Touch any button and turn any knob once to clear the display and stop the beeping. Reprogram oven. If fault reoccurs, record fault number. Clear the display and stop the beeping, then contact a qualified service technician.	<table><tr><th>CODE</th><th>CAUSE</th></tr><tr><td>F-3</td><td>Key held down too long or shorted key</td></tr><tr><td>F-19</td><td>No heating</td></tr></table>	CODE	CAUSE	F-3	Key held down too long or shorted key	F-19	No heating
		CODE	CAUSE					
F-3	Key held down too long or shorted key							
F-19	No heating							
Oven will not work	<ul style="list-style-type: none">Plug on oven is not completely inserted in the electrical outlet.<ul style="list-style-type: none">- Make sure electrical plug is plugged into a live, properly grounded outlet.A fuse in your home may be blown or the circuit breaker tripped.<ul style="list-style-type: none">- Replace the fuse or reset the circuit breaker.Oven controls improperly set. Instructions for setting cooking modes start on page 18. Instructions for adjusting oven settings start on page 11 .Oven too hot.<ul style="list-style-type: none">- Allow the oven to cool to below locking temperature.							
Appliance does not operate.	<ul style="list-style-type: none">Make sure cord is plugged correctly into outlet. Check circuit breakers.Service wiring is not complete. Contact your appliance service person for assistance.Power outage. Check house lights to be sure. Call your local electric company for service.							
Oven light does not work.	<ul style="list-style-type: none">Replace or tighten bulb. See Changing the Oven Light , page 35.							
Oven smokes excessively during broiling.	<ul style="list-style-type: none">Control not set properly. Follow instructions under Broil, page 22.Meat too close to the element. Reposition the rack to provide proper clearance between the meat and the element. Preheat broil element for searing.Meat not properly prepared. Remove excess fat from meat. Cut remaining fatty edges to prevent curling, but do not cut into lean.Insert on broiler pan wrong side up and grease not draining. Always place grid on the broiler pan with ribs up and slots down to allow grease to drip into pan.Grease has built up on oven surfaces. Regular cleaning is necessary when broiling frequently. Old grease or food spatters cause excessive smoking.							

Problem	Possible Causes / Solutions
Food does not bake or roast properly	<ul style="list-style-type: none"> • Oven controls improperly set. <ul style="list-style-type: none"> - See the instructions for setting Bake, Convection Bake, Roast, and Convection Roast modes, pages 18-21. • Rack position is incorrect or the rack is not level. <ul style="list-style-type: none"> - See Rack and Pan Placement, page 17. • Incorrect cookware or cookware of improper size being used. <ul style="list-style-type: none"> - the tips on pages 17, 19 and 21. • Oven sensor needs to be adjusted. <ul style="list-style-type: none"> - See Oven Temperature Adjustment, page 13.
Food does not broil properly	<ul style="list-style-type: none"> • Oven controls improperly set. <ul style="list-style-type: none"> - See the Broil section, page 22. • Improper rack position being used. <ul style="list-style-type: none"> - See the Broiling Guide, page 22-24. • Cookware not suited for broiling. <ul style="list-style-type: none"> - Use the broiling pan and grid that came with your oven. • Aluminum foil has been used on the broiling pan, grid has not been fitted properly, or slits are not on correct side. <ul style="list-style-type: none"> - See the Broil section, page 22. • In some areas the power (voltage) may be low. <ul style="list-style-type: none"> - Preheat the broil element for 10 minutes. - See the Broil section, page 22.
Oven temperature too hot or too cold	<ul style="list-style-type: none"> • Oven Sensor needs to be adjusted. <ul style="list-style-type: none"> - Oven Temperature Adjustment, page 13.
Oven will not self clean	<ul style="list-style-type: none"> • Oven controls improperly set. <ul style="list-style-type: none"> - See the Self Clean section, page 31. • A self-clean cycle cannot be started if oven door is open.
Crackling or popping sound	<ul style="list-style-type: none"> • This is the sound of the metal heating and cooling during the cooking and cleaning functions. <ul style="list-style-type: none"> - This is normal.
Excessive smoking during a self clean cycle	<ul style="list-style-type: none"> • Excessive soil. <ul style="list-style-type: none"> - Set the Oven Mode knob to the OFF position. Open the windows to rid the room of smoke. Wait until the self-clean mode is cancelled. Wipe up the excess soil and reset the clean.
Oven door does not open after a self clean cycle	<ul style="list-style-type: none"> • Oven is too hot. <ul style="list-style-type: none"> - Allow the oven to cool below locking temperature.

Problem	Possible Causes / Solutions
Oven not clean after a self clean cycle	<ul style="list-style-type: none"> Oven controls not properly set. <ul style="list-style-type: none"> - See the self-clean section, page 31-33. Oven was heavily soiled. <ul style="list-style-type: none"> - Clean up heavy spillovers before starting the clean cycle. Heavily soiled ovens may need to self-clean again or for a longer period of time.
DOOR LOCKED icon is on when you want to cook	<ul style="list-style-type: none"> The oven door is locked because the temperature inside the oven has not dropped below the locking temperature after Self Clean.
Burning or oily odor emitting from the vent	<ul style="list-style-type: none"> This is normal in a new oven and will disappear in time. <ul style="list-style-type: none"> - To speed the process, set a self-clean cycle for a minimum of 3 hours. See the self-clean section, page 31-33.
Cooling fan continues to run after oven is turned off	<ul style="list-style-type: none"> The fan turns off automatically when the electronic components have cooled sufficiently. <ul style="list-style-type: none"> - This is normal.
Warm air venting into kitchen after oven has been turned off.	<ul style="list-style-type: none"> Warm air exhaust is needed to maintain and cool down oven temperatures. It turns off automatically when the heat cools to a safe temperature. <ul style="list-style-type: none"> - This is normal.
Trouble connecting appliance and smartphone to Wi-Fi network	<ul style="list-style-type: none"> The password for the Wi-Fi network was entered incorrectly. <ul style="list-style-type: none"> - Delete your home Wi-Fi network and begin the registration process again. Mobile data for your smartphone is turned on. <ul style="list-style-type: none"> - Turn off the Mobile data on your smartphone before registering the appliance. The wireless network name (SSID) is set incorrectly. <ul style="list-style-type: none"> - The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.) The router frequency is not 2.4 GHz. <ul style="list-style-type: none"> - 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. The distance between the appliance and the router is too far. <ul style="list-style-type: none"> - 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 or purchase and install a Wi-Fi repeater.

LIMITED WARRANTY (USA)

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 your LG Electric Range ("Product") fail due to a defect in materials or workmanship under normal and proper use, during the warranty period set forth below, LG Electronics ("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.

Warranty Period	Scope of Warranty	HOW SERVICE IS HANDLED
Two (2) year from date of original retail purchase	Parts and Labor (internal / functional parts only)	LG will provide, free of charge, all labor and in-home service to replace defective part(s).

- 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.
- Proof of original retail purchase specifying the Product model and date of purchase is required to obtain warranty service under this limited warranty.

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 resulting from operating the Product in a corrosive atmosphere or contrary to the Product owner's manual.
- Damage or failure to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, acts of God, or any other causes beyond the control of LG.
- Damage or failure caused by unauthorized modification or alteration, or if used for other than the intended purpose.
- Damage or failure resulting from misuse, abuse, improper installation, repair, or maintenance. Improper repair includes 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 caused by incorrect electrical current, voltage, or ventilation/plumbing codes.
- Damage or failure caused by transportation and 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 missing items to any display, open box, or discounted 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.
- Use of accessories, components, or consumable cleaning products that are not authorized by LG.
- Replacement of light bulbs, filters, or any consumable parts.
- When Product is used for other than normal and proper household use (e.g. commercial or industrial use, offices, and recreational facilities or vehicles) or contrary to the Product's owner's manual.
- Costs associated with removal and reinstallation of your Product for repairs.
- Shelves, drawers and accessories, except for internal/functional parts covered under this limited warranty.

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

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 Electronics Customer Service P.O. Box 240007 Huntsville, AL 35813 ATTN: CIC

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 1000 Sylvan Ave, Englewood Cliffs 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 1000 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. 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.



LG Customer Information Center

1-800-243-0000 USA
1-888-542-2623 CANADA

Register your product Online!

www.lg.com