

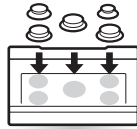
OPERATION

Gas Surface Burners

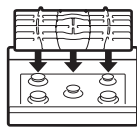
Before Use

Read all instructions before using.

Make sure that all burners are properly placed.



Make sure that all grates are properly placed before using the burner.



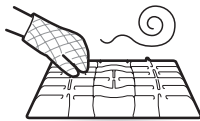
CAUTION

Do not operate the burner for an extended period of time without cookware on the grate.

The finish on the grate may chip without cookware to absorb the heat.

Make sure the burners and grates are cool before touching them, or placing a pot holder, cleaning cloth, or other materials on them.

Touching grates before they cool down may cause burns.



CAUTION

WHAT TO DO IF YOU SMELL GAS

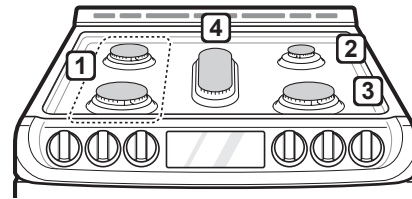
- Open windows.
- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

NOTE

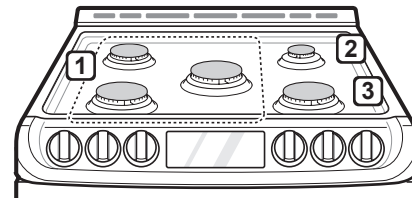
Electric spark igniters from the burners cause a clicking noise. All the spark igniters on the cooktop will activate when igniting just one burner.

Burner Locations

Your gas range cooktop has four or five sealed gas burners, depending on the model. These can be assembled and separated. Follow the guide below.



LSG4513, LSG4515



LSG4511

1 Medium and Large Burners

The medium and large burners are the primary burners for most cooking. These general purpose burners can be turned down from **Hi** to **Lo** to suit a wide range of cooking needs.

2 Small Burner

The smallest burner is used for delicate foods such as sauces or foods that require low heat for a long cooking time.

3 Extra Large Burner

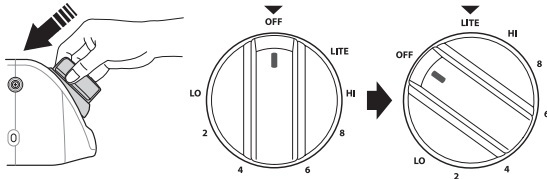
The extra large burner is the maximum output burner. Like the other four burners, it can be turned down from **Hi** to **Lo** for a wide range of cooking applications. This burner is also designed to quickly bring large amounts of liquid to a boil. It can be used with cookware 10 inches or larger in diameter.

4 Oval Burner

The center, oval burner is for use with a griddle or oval pots.

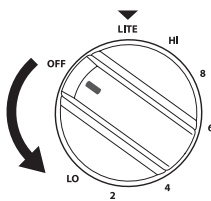
Using the Gas Surface Burners

- 1 Be sure that all of the surface burners and grates are placed in the correct positions.
- 2 Place cookware on the grate.
- 3 Push the control knob and turn to the **Lite** position.



The electric spark ignition system makes a clicking noise.

- 4 Turn the control knob to control the flame size.

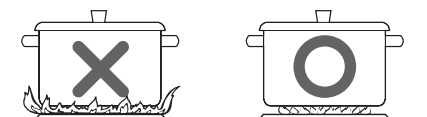


CAUTION

Do not attempt to disassemble or clean around any burner while another burner is on. All the burners spark when any burner is turned to **Lite**. An electric shock may result causing you to knock over hot cookware.

Setting the Flame Size

Watch the flame, not the knob, as you reduce heat. Match the flame size on a gas burner to the cookware being used for fastest heating.



CAUTION

Never let the flames extend up the sides of the cookware.

NOTE

- The flames on the surface burners may burn yellow in the presence of high humidity, such as a rainy day or a nearby humidifier.
- After LP gas conversion, flames can be bigger than normal when you put a pot on the surface burner.

In Case of Power Failure

In case of a power failure, you can light the gas surface burners on your range with a match.

Surface burners in use when an electrical power failure occurs will continue to operate normally.

- 1 Hold a lit match to the burner, then push in the control knob.
- 2 Turn the control knob to the **Lo** position.

CAUTION

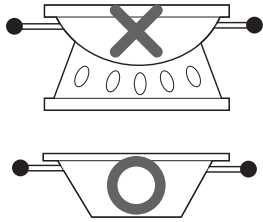
Use extreme caution when lighting burners with a match. It can cause burns and other damage.

Range-Top Cookware

Aluminum	Medium-weight cookware is recommended because it heats quickly and evenly. Most foods brown evenly in an aluminum skillet. Use saucepans with tight fitting lids when cooking with minimum amounts of water.
Cast-Iron	If heated slowly, most skillets will give satisfactory results.
Stainless Steel	This metal alone has poor heating properties and is usually combined with copper, aluminum or other metals for improved heat distribution. Combination metal skillets work satisfactorily if they are used with medium heat as the manufacturer recommends.
Enamelware	Under some conditions, the enamel of this cookware may melt. Follow cookware manufacturer's recommendations for cooking methods.
Glass	There are two types of glass cookware. Those for oven use only and those for top-of-range cooking.
Heatproof Glass Ceramic	Can be used for either surface or oven cooking. It conducts heat very slowly and cools very slowly. Check cookware manufacturer's directions to be sure it can be used on gas ranges.

Using a Wok

If using a wok, use a 14-inch or smaller flat-bottomed piece of wok. Make sure that the wok bottom sits flat on the grate.



Use flat-bottomed wok

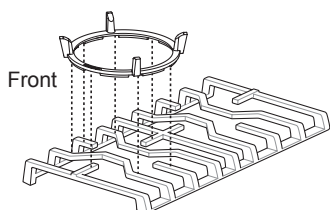
CAUTION

Do not use a wok support ring. Placing the ring over the burner or grate may cause the burner to work improperly, resulting in carbon monoxide levels above allowable standards. This can be hazardous to your health.

Using the Wok Grate

Use the included wok grate to support a 12" to 14" round-bottomed wok.

- 1 Turn off all burners and allow the grates and cooktop to cool before installing or removing the wok grate. Remove the griddle, if necessary. Do not remove the standard burner grates.
- 2 Place the wok grate on top of the left or right front burner grate, aligning the notches on the wok grate with the burner grate's fingers. Make sure the side marked FRONT is toward the front.



- 3 Make sure the wok grate is stable and the wok rests firmly on the wok grate. Use a 12" to 14" round-bottomed wok. Do not use a wok that is the wrong size to fit securely in the wok grate.

NOTE

- The wok grate and griddle cannot be used at the same time.
- For best performance, place the wok grate over the extra large, right front burner.
- Do not use the wok grate with cookware other than a wok.
- Clean the wok grate with hot, soapy water. Do not use oven cleaners, steel wool, or abrasive cleansers. Do not clean with the self-clean mode.

CAUTION

- Turn off all burners and allow wok grate, burner grates, and cooktop to cool before installing or removing wok grate.
- The wok grate retains hot for a long time. Always use an oven mitt when installing or removing the wok grate. Do not store the wok grate on the burner grate.
- Do not use flat-bottomed cookware or incorrectly sized woks with the wok grate. The cookware or wok could tip and cause personal injury.
- Do not use a wok larger than 14" with the wok grate. Doing so could cause burner flames to spread excessively and damage the cooktop.

Using Stove-Top Grills

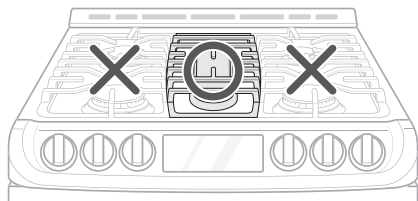
Do not place stove-top grills on the burner.



CAUTION

Do not use stove top grills on the surface burners. Using a stove top grill on the surface burner will cause incomplete combustion and can result in exposure to carbon monoxide levels above allowable current standards. This can be a health hazard.

Using the Griddle (For Model : LSG4513, LSG4515)

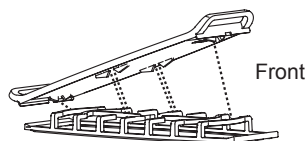


The non-stick coated griddle provides an extra-large cooking surface for meats, pancakes or other food usually prepared in a frying pan or skillet.

NOTE

It is normal for the griddle to become discolored over time.

How to Place the Griddle: The griddle can only be used with the center burner. The griddle must be properly placed on the center grate, as shown below.



CAUTION

- Do not remove the center grate when using the griddle.
- Do not remove the griddle plate until the cooktop grates, surfaces and griddle plate have completely cooled.
- The griddle plate on the cooktop may become very hot when using the cooktop, oven or broiler systems. Always use oven mitts when placing or removing the griddle plate.

Preheat the griddle according to the guide below and adjust for the desired setting.

Type of Food	Preheat Conditions	Cook Setting
Warming Tortillas	-	5 (MED)
Pancakes	HI 5 min.	HI
Hamburgers	HI 5 min.	HI
Fried Eggs	HI 5 min.	HI
Bacon	HI 5 min.	HI
Breakfast Sausage Links	HI 5 min.	HI
Hot Sandwiches	HI 5 min.	HI

NOTE

After cooking on the griddle for an extended period, adjust the griddle temperature settings as the griddle retains heat.

IMPORTANT NOTES

- Avoid cooking extremely greasy foods as grease spillover can occur.
- The griddle can become hot when surrounding burners are in use.
- Do not overheat the griddle. This can damage the non stick coating.
- Do not use metal utensils that can damage the griddle surface. Do not use the griddle as a cutting board.
- Do not place or store items on the griddle.

The Oven

Before Use

Read all instructions before using.

Make sure the electrical power cord and the gas valve are properly connected.

Confirm the correct usage of the range for the type of food you will cook.

Make sure you know how to use the oven (temperature setting, time setting and recipe) for best results.

CAUTION

WHAT TO DO IF YOU SMELL GAS

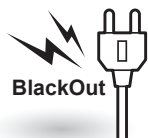
- Open windows.
- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

NOTE

If using an oven thermometer in the oven cavity, temperatures may differ from the actual set oven temperature with all modes.

In case of power failure, do not use the oven.

The oven and broiler cannot be used during a power outage. If the oven is in use when a power failure occurs, the oven burner shuts off and cannot be re-lit until power is restored. Once power is restored, you will need to reset the oven (or Broil function).

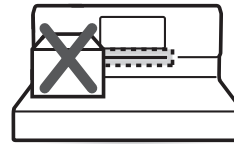


CAUTION

Do not attempt to operate the electric ignition during an electrical power failure.

Do not block, touch or place items around the oven vent during cooking.

Your oven is vented through ducts at the center above the burner grate. Do not block the oven vent when cooking to allow for proper air flow. Do not touch vent openings or nearby surfaces during any cooking operation.



CAUTION

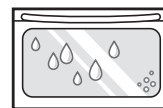
- Do not place plastic or flammable items on the cooktop. They may melt or ignite if left too close to the vent.
- Do not place closed containers on the cooktop. The pressure in closed containers may increase, which may cause them to burst.
- Metal items will become very hot if they are left on the cooktop, and could cause burns.
- Handles of pots and pans on the cooktop may become hot if left too close to the vent.

Do not cover racks or oven bottom with aluminum foil.



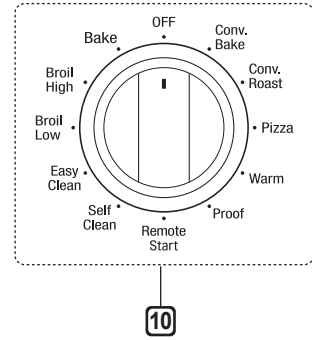
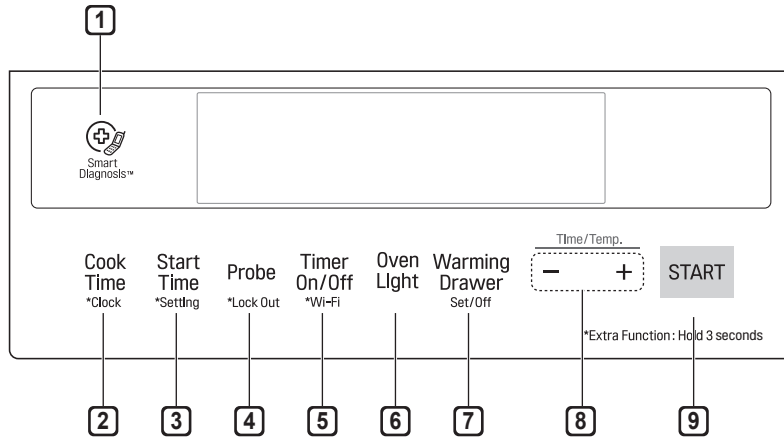
You may see condensation on the oven door glass.

As the oven heats up, the heated air in the oven may cause condensation to appear on the oven door glass. These water drops are harmless and will evaporate as the oven continues to heat up.

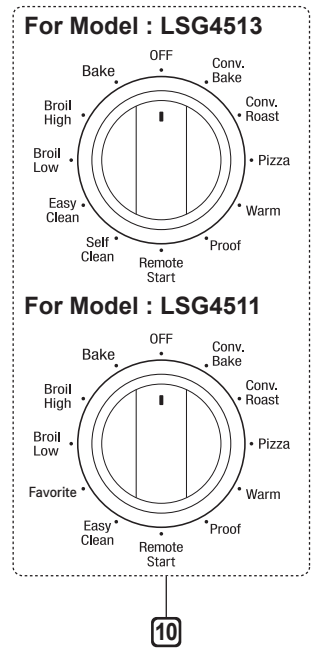
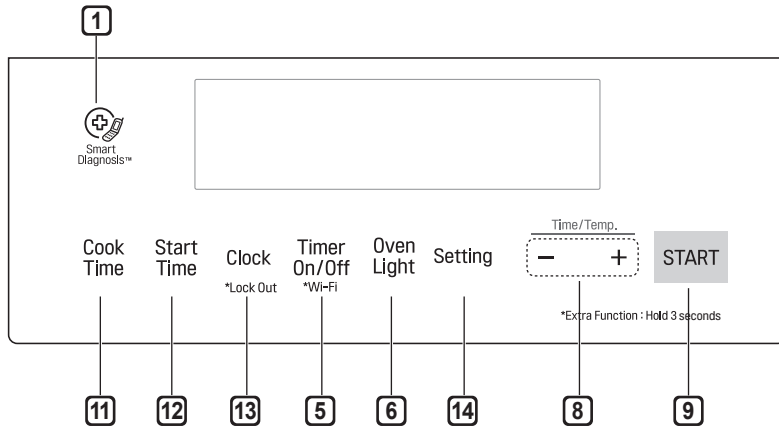


Control Panel Overview

For Model : LSG4515



For Model : LSG4513 / LSG4511



1 Smart Diagnosis™

Use during the Smart Diagnosis feature.

2 Cook Time / Clock

- Press the button to set the desired amount of time for food to cook. The oven shuts off when the set cooking time runs out.
- Press and hold button for three seconds to set the time of day.

3 Start Time / Setting

- Press the button to set the delayed timed cook. The oven starts at the set time.
- Press and hold button for three seconds to select and adjust oven settings.

4 Probe / Lockout

- Press the button to select Probe function.
- Press and hold button for three seconds to lock the door and control panel.

5 Timer On/Off / Wi-Fi

- Press the button to set or cancel timer on oven.
- Press and hold button for three seconds to connect the appliance to a Wi-Fi network.

6 Oven Light

Press the button to turn oven light on or off.

7 Warming Drawer

Press the button to select the warming drawer function.

8 - /+

Press the plus button to increase cooking time or oven temperature.

Press the minus button to decrease cooking time or oven temperature.

9 Start

Press the button to start all oven features.

10 Oven Mode Knob

Turn the knob to select oven operating mode.

11 Cook Time

Press the button to set the desired amount of time for food to cook. The oven shuts off when the set cooking time runs out.

12 Start Time

Press the button to set the delayed timed cook. The oven starts at the set time.

13 Clock / Lockout

- Press button to set the time of day.
- Press and hold button for three seconds to lock the door and control panel.

14 Setting

- Press button to select and adjust oven settings.

Flashing Clock

If the colon in the clock display flashes, touch Clock and reset the time, or touch any key to stop the flashing.

Changing Oven Settings

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 the oven mode knob to the **Off** position.
- 2 Press and hold **Cook Time** for three seconds (LSG4515 model only) or press **Clock**. CLO shows in the display.
- 3 Press **plus(+)** or **minus(-)** to select the desired time. **Plus(+)** to increase the time and **minus(-)** to decrease the time.
- 4 Press **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 (For Model : LSG4513, LSG4515).
- If no other keys are pressed within 25 seconds of pressing **Clock**, the display reverts to the original setting.
- If the display colon in the clock is blinking, you may have experienced a power failure. Reset the time.

Oven Light

The interior oven light automatically turns on when the door is opened. Press **Light** to manually turn the oven light on.

NOTE

The oven light cannot be turned on if the Self Clean function is active. (For Model : LSG4513, LSG4515)

Minimum & 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 key is pressed.

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	Default
Clock	12 Hr.	1:00 Hr. / min.	12:59 Hr. / min.	
	24 Hr.	0:00 Hr. / min.	23:59 Hr. / min.	
Timer	12 Hr.	0:10 min. / sec.	11:59 Hr. / min.	
	24 Hr.	0:10 min. / sec.	11:59 Hr. / min.	
Cook Time	12 Hr.	0:01 Hr. / min.	11:59 Hr. / min.	
	24 Hr.	0:01 Hr. / min.	11:59 Hr. / min.	
Conv. Bake		300 °F / 150 °C	550 °F / 285 °C	350 °F (*325 °F) / 12 Hr.
Conv. Roast		300 °F / 150 °C	550 °F / 285 °C	350 °F (*325 °F) / 12 Hr.
Broil		Lo 400 °F	Hi 500 °F	Hi / 3 Hr.
Bake		170 °F / 80 °C	550 °F / 285 °C	350 °F / 12 Hr.
Proof		0:01 Hr. / min.	11:59 Hr. / min.	12 Hr.
Pizza				12 Hr.
Warm				3 Hr.
Self Clean (LSG4513, LSG4515)		2 Hr.	5 Hr.	3 Hr.
EasyClean®				10 min.

* Using Auto Conversion

- Default cook mode times are without setting cook time.

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 oven control functions.

For example to set 5 minutes

- 1 Set the oven mode knob to the **Off** position.
- 2 Press the **Timer On/Off**. 0:00 with **HR** inside it appears and **Timer** flashes in the display.
- 3 Press **plus(+)** or **minus(-)** to set the desired time. **Plus(+)** to increase the time and **minus(-)** to decrease the time.
- 4 Press **Timer On/Off** or **Start** to start the Timer. The remaining time countdown appears in the display.

NOTE

If **Timer On/Off** is pressed, the timer returns to the time of day.

- 5 When the set time runs out, **End** shows in the display. The indicator tones sound every 15 seconds until **Timer On/Off** is pressed.

NOTE

- If the remaining time is not in the display, recall the remaining time by pressing **Timer On/Off**.
- Press **Timer On/Off** twice to set the time in minutes and seconds.
- Press **Timer On/Off** once to set the time in hours and minutes.

Wi-Fi

The Wi-Fi button is used to connect the appliance to a home Wi-Fi network.

- 1 Set the oven mode knob to the **Off** position.
- 2 Press and hold **Timer On/Off** for 3 seconds.
- 3 The power on chime sounds, **SEt** appears in the display, and the Wi-Fi icon (📶) blinks.
- 4 Register the appliance on the Wi-Fi network using the smart phone app.
- 5 To disconnect the appliance from the network, delete it from the registered appliances in the app.

NOTE

See the Smart Functions section in the owner's manual for more details.

Settings

Set the oven mode knob to the **Off** position. Press and hold **Start Time** for three seconds(LSG4515 model only) or press **Setting** key repeatedly to toggle through and change oven settings.

The **Setting** key allows you to:

- set the hour mode on the clock (12 or 24 hours)
- enable/disable convection auto conversion
- adjust the oven temperature
- activate/deactivate the preheating alarm light
- set the beeper volume
- switch the temperature scale between Fahrenheit and Celsius

Setting the Hour Mode

The control is set to use a 12-hour clock. To reset the clock to 24-hour mode, follow the steps below.

- 1 Set the oven mode knob to the **Off** position.
- 2 Press **Setting**.
- 3 Press **plus(+)** or **minus(-)** to set the desired hour mode on the clock.
- 4 Press **Start** to accept the desired change.

Setting Convection Auto Conversion

When **Conv. Bake** and **Conv. Roast** are selected, Convection Auto Conversion automatically converts the standard recipe temperature entered to a convection temperature by subtracting 25 °F / 14 °C. This auto-converted temperature shows on the display. For example, select **Conv. Bake**, enter 350 °F, and 325 °F shows on the display after preheat.

Convection Auto Conversion is enabled by default. To change the setting, follow these instructions.

- 1 Set the oven mode knob to the **Off** position.
- 2 Press and hold **Start Time** for three seconds(LSG4515 model only) or press **Setting** repeatedly until **Auto** appears in the display.
- 3 Press **plus(+)** or **minus(-)** to enable or disable the feature.
- 4 Press **Start** to accept the change.

Adjusting the Oven Thermostat

Your new oven may cook differently from the one it replaced. Use your new oven for a few weeks to become more familiar with it before changing the temperature settings. If after familiarizing yourself with the new oven, you still think that it is too hot or too cold, you can adjust the oven thermostat yourself.

NOTE

To begin, either raise or lower the thermostat 15 °F (8 °C). Try the oven with the new setting. If the oven still needs adjustment, raise or lower the thermostat again, using the first adjustment as a gauge. For example, if the adjustment was too much, raise or lower the thermostat 10 °F (5 °C). If the adjustment was not enough, raise or lower the thermostat 20 °F (12 °C). Proceed in this way until the oven is adjusted to your satisfaction.

- 1 Set the oven mode knob to the **Off** position.
- 2 Press **Setting** repeatedly until **AdJU** appears in the display.
- 3 To increase the temperature, press **plus (+)** until the desired amount appears in the display. To decrease the temperature, press **minus (-)** until the desired amount appears in the display.
- 4 Press **Start** to accept the change.

NOTE

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

Turning the Preheat Alarm Light On/Off

When the oven reaches its set-temperature, the preheating alarm light flashes 5 times or until the oven door is opened.

You can activate or deactivate the preheating alarm light.

- 1 Touch **Settings** repeatedly until **Pre** appears in the display.
- 2 Touch **plus (+)** or **minus (-)** to turn the light on/off.
- 3 Press **Start** to accept the change.

Adjusting the Beeper Volume

- 1 Set the oven mode knob to the **Off** position.
- 2 Press **Setting** repeatedly until **Beep** appears in the display.
- 3 Press **plus(+)** or **minus(-)** to select the desired volume.
- 4 Press **Start** to accept the change.



Selecting Fahrenheit or Celsius

Set the oven temperature display to show either Fahrenheit (°F) or Celsius (°C) units. The oven defaults to Fahrenheit unless changed by the user.

- 1 Set the oven mode knob to the **Off** position.
- 2 Press **Setting** repeatedly until **Unit** appears in the display.
- 3 Press **plus(+)** or **minus(-)** to select F(Fahrenheit) or C(Centigrade).
- 4 Press **Start** to accept the change.

Lockout

The Lockout feature automatically locks the oven door (For Model : LSG4513, LSG4515) and prevents most oven from being turned on. It does not disable the timer and the interior oven light.

- 1 Set the oven mode knob to the **Off** position.
- 2 Press and hold **Probe**(LSG4515 model only) or **Clock** for three seconds.
- 3 The lock melody sounds, **Loc** appears in the display and the lock icon  blinks (For Model : LSG4513, LSG4515) in the display.
- 4 Once the oven door is locked, the lock  indicator stops blinking (For Model : LSG4513, LSG4515) and remains on.
- 5 To deactivate the Lockout feature, press and hold **Probe**(LSG4515 model only) or **Clock** for three seconds. The unlock melody sounds and the door and the controls unlock.

NOTE (For model : LSG4511)

In models without a self-clean option, the Lockout feature locks the controls but does not lock the oven door.

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 be used with the **Bake**, **Conv. Bake** and **Conv. Roast** modes.

Setting a Delayed Timed Cook

For example, to bake at 300 °F and delay the start of baking until 4:30, first set the clock for the correct time of day.

- 1 Turn the oven mode knob to select the **Bake** mode. 350 °F appears in the display.
- 2 Set the temperature: press **minus(-)** until 300 °F appears in the display.
- 3 Press **Cook Time** and set the baking time.
- 4 Press **Start Time**.
- 5 Set the start time: press **plus(+)** until 4:30 appears in the display.
- 6 Press **Start**. A short beep sounds and **Timed Delay** and the start time appear in the display. The oven begins baking at the set start time.

NOTE

- To cancel the Delayed Timed Cook function, turn the oven mode knob to the **Off** position.
- To change the cooking time, repeat step 3 and press **Start**.
- If the oven clock is set as a 12-hour clock, you can delay the cook time for 12 hours. If the oven clock is set as a 24-hour clock, you can delay the cook time for 24 hours.

The oven will continue to cook for the set amount of time and then turn off automatically. When the cooking time has elapsed:

- **End** and the time of day show 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)

Set the oven to cook for a specific length of time using the Timed Cook feature. This feature can only be used with the **Bake**, **Conv. Bake**, **Favorite** and **Conv. Roast** modes.

Setting a Timed Cook

For example, to bake at 300 °F for 30 minutes, first set the clock to the correct time of day.

- 1 Turn the oven mode knob to select the **Bake** mode. 350 °F appears in the display.
- 2 Set the oven temperature. For this example, press **minus(-)** until 300 °F appears in the display.
- 3 Press **Cook Time**. **Timed** flashes in the display. **Bake**, 0:00 and 300 °F appear in the display.
- 4 Set the baking time: press **plus(+)** until 30:00 appears in the display. The baking time can be set for any amount of time between 1 minute and 11 hours and 59 minutes.
- 5 Press **Start**.

The oven will continue to cook for the set amount of time and then turn off automatically. When the cooking time has elapsed:

- **End** and the time of day show in the display.
- The cook end indicator tone sounds every 60 seconds until the oven mode knob is turned to the **Off** position.

Changing the Cook Time during Cooking

For example, to change the cook time from 30 minutes to 1 hour and 30 minutes, do the following.

- 1 Press **Cook Time**.
- 2 Change the baking time: press **plus(+)** until 1 hour and 30 minutes appears in the display.
- 3 Press **Start** to accept the change.

Removing and Replacing the Oven Racks

CAUTION

- Replace the 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 performance and may damage the oven bottom.
- Only arrange oven racks when the oven is cool.

Removing 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.

* When possible, adjust oven racks before using the oven. Always wear oven mitts if adjusting racks while the oven is on.

Replacing Racks

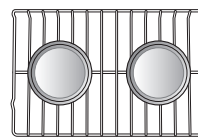
- 1 While wearing oven mitts, place the end of the rack on the support*
- 2 Tilt the front end of the rack up.
- 3 Push the rack in.
- 4 Check that the rack is properly in place.

*When possible, adjust oven racks before using the oven. Always wear oven mitts if adjusting racks while the oven is on.

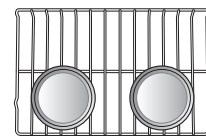
Recommended Baking and Roasting Guide

- Center pans on racks for best baking results. If baking with more than one pan, place the pans so that each one has at least 1" to 1½" of air space around it. Do not allow pans to touch the walls of the oven.
- If cooking on single rack, place the rack in the position suggested in the charts on the following pages. Center the cookware as shown in the upper rack of the multiple rack image.
- If cooking on multiple racks in the oven, place racks in positions 1 and 4. For best results, place the cookware as shown, centered on the top rack and toward the front on the bottom rack.

Multiple rack baking

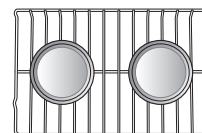


Rack
(Position 4)

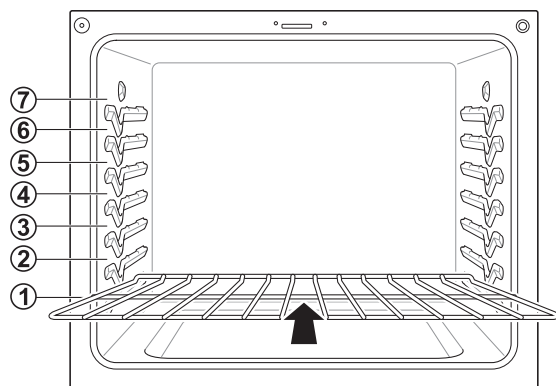


Rack
(Position 1)

Single rack baking



Rack



Bake

Bake is used 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 Function (example, 375 °F)

- 1 Turn the oven mode knob to select **Bake**.
- 2 Set the oven temperature: for example, press **plus(+)** until 375 °F appears in the display.
- 3 Press **Start**. The oven starts to preheat.

As the oven preheats, the temperature is displayed and rises in 5-degree increments. Once the oven reaches the set temperature, a tone sounds and the oven light blinks on and off.

- 4 When cooking is complete, turn the oven mode knob to the **Off** position.
- 5 Remove food from the oven.

NOTE

- It is normal for the convection fan to operate periodically throughout a normal bake cycle in the oven. This is to ensure even baking results.
- The convection fan may continue to run for a short time after the oven is turned off.

Baking Chart

This chart is only for reference and can be used for oven. Adjust the cook time according to your recipe.

Food	Oven Temperature	Rack position
Cakes		
- Layer cake	350 °F (175 °C)	3
- Bundt cake	350 °F (175 °C)	3
- Cupcakes	350 °F (175 °C)	3
- Pound cake	350 °F (175 °C)	3
- Carrot cake (from scratch)	350 °F (175 °C)	3
Cookies		
- Sugar cookies	350 °F (175 °C)	3
- Chocolate chip	350 °F (175 °C)	3
- Brownies	350 °F (175 °C)	3
Pizza		
- Rising	400 °F (204 °C)	5
- Frozen	400 °F (204 °C)	5
- Fresh	425 °F (218 °C)	5
Breads		
- Biscuits (canned)	350 °F (175 °C)	4
- Biscuits (from scratch)	375 °F (190 °C)	4
- Muffins	400 °F (204 °C)	4
Fruits and Vegetables		
- Apples (baked)	375 °F (190 °C)	2
- Potatoes (baked)	425 °F (218 °C)	2
Angel food cake	350 °F (175 °C)	1
Custards		
- Cheesecake, crème brûlée	325 °F (161 °C) 350 °F (175 °C)	2
Casserole		
- Frozen lasagna	375 °F (190 °C)	4

NOTE

- Because the oven temperature cycles, an oven thermometer placed in the oven cavity may not show the same temperature that is set on the oven.
- 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.
- **The bake burner turns off if the door is left open during baking.** If the door is left open for longer than 30 seconds during baking, the bake burner turns off. The bake burner turns back on automatically once the door is closed.

Convection Mode

The convection system uses a fan to circulate heat evenly within the oven. This improves heat distribution and allows for even cooking and excellent results, especially when using multiple racks. Convection cooking can also shorten cooking times.


Convection Bake

Setting the Conv. Bake Function (example: to Conv. Bake 375 °F)

- 1 Turn the oven mode knob to select **Conv. Bake**.
 - 2 Set the oven temperature: press **plus(+)** until 375 °F appears in the display.
- Convection Bake cooks faster and more evenly when cooking foods like cookies, biscuits, rolls, or other baked goods on a single rack. Cookies, muffins, and biscuits will have very good results when using multiple racks.
 - Multiple rack cooking may slightly increase times for some foods, but the overall time is reduced.
 - Convection Bake gives excellent results for quick breads and yeast breads of all kinds, and breads and pastries brown more evenly.
 - Do not use Convection Bake for delicate items like custards, souffles, or cheesecakes, which may be disturbed by the convection fan.

NOTE

- The convection cooking modes automatically reduce the oven temperature by 25 °F (14 °C). The display shows the changed temperature.
- This feature is called auto conversion.
- The range comes with this feature enabled.
- To disable the auto conversion feature, see Setting Convection Auto Conversion, page 29.
- The oven fan runs while convection baking. If the door is left open for longer than 30 seconds during baking, the fan stops.

- 3 Press **Start**. The display shows **Conv. Bake** and the converted temperature starting at 100 °F. As the oven preheats, the displayed temperature will increase in 5-degree increments.
- 4 Once the oven reaches the desired temperature, a tone sounds and the oven light blinks on and off. The display shows the auto converted oven temperature 350 °F, **Conv. Bake** and .

Convection Baking Chart

If auto conversion is disabled, reduce standard recipe temperature by 25 °F (14 °C) for Convection Bake. Temperatures have been adjusted in this chart. Multi-rack cooking may slightly increase cook times for some foods, but the overall time is reduced. This chart is only for reference. Adjust cooking time according to your preference.

Food	Oven Temperature (converted)	Rack position
Cakes		
- Layer cakes	325 °F (161 °C)	3
- Bundt cakes	325 °F (161 °C)	3
Cakes, Specialty		
- Popovers	400 °F (204 °C)	3
- Cupcakes	325 °F (161 °C)	3
- Pound cakes	325 °F (161 °C)	3
Cookies		
- Sugar cookies	325 °F (161 °C)	3
- Chocolate chips	325 °F (161 °C)	3
- Brownies	325 °F (161 °C)	3
Pizza		
- Frozen	375 °F (190 °C)	5
- Fresh	400 °F (204 °C)	5
Breads		
- Biscuit, canned	325 °F (161 °C)	4
- Biscuit, from scratch	350 °F (175 °C)	4
- Muffins	375 °F (190 °C)	4
- White bread, loaf	400 °F (204 °C)	4
Pastry Crust		
- From scratch	400 °F (204 °C)	4
- Refrigerator	400 °F (204 °C)	4
Desserts		
- Fruit crisps and cobblers, from scratch	350 °F (175 °C)	3
- Pies, from scratch, 2 crust fruit	350 °F (175 °C)	3
Angel food cake	325 °F (161 °C)	1
Custards		
- Cheesecake, crème brûlée	300 °F (149 °C) 325 °F (161 °C)	2
Casserole		
- Frozen lasagna	350 °F (175 °C)	4

Cookware for Convection Cooking

Any cookware safe for use in a conventional oven will work in a convection oven. But for best results, keep the following in mind.

- Make sure pans don't touch the oven walls when centered on the racks. Use cookware that leaves room for air circulation in the oven for best results when convection cooking.
- Leave space between pans. Make sure pans don't touch each other or the oven walls.
- Do not use pans with high sides. Use flat pans with no sides for cookies or biscuits. Use a pan with low sides for oven-baked chicken.
- Metal pans heat the fastest. Heat-resistant paper and plastic containers that are recommended for use in regular ovens can be used in convection ovens. Glass and ceramic pans can also be used. However, metal pans heat the fastest and are recommended for convection cooking.
- Food cooked on pans with dark or matte finishes cooks faster than food on pans with shiny finishes.
- Use the pan size recommended in the recipe.

NOTE

- Some frozen foods have been developed to use commercial convection ovens. For best results in this oven, preheat the oven and use the temperature recommended on the packaging.
- If a food manufacturer gives specific convection cooking instructions, remember that convection autoconversion will reduce the set temperature by 25 °F (14 °C). If auto-conversion is enabled, add 25 °F (14 °C) when setting the temperature to get a resulting converted temperature which matches the recipe.

Convection Roast


The Convection Roast feature is designed to give optimum roasting performance. Convection Roast combines cooking with the convection fan to roast meats and poultry. The heated air circulates around the food from all sides, sealing in juices and flavors. Food cooked in this manner is crispy brown on the outside while staying moist on the inside.

Setting the Conv. Roast Function (example: to Conv. Roast 375 °F)

- 1 Turn the oven mode knob to select **Conv. Roast**.
- 2 Set the oven temperature: press **plus(+)** until 375 °F appears in the display.

NOTE

The convection cooking modes automatically reduce the oven temperature by 25 °F (14 °C). The display shows the changed temperature. This feature is called auto conversion. The range comes with this feature enabled. To disable the auto conversion feature, see Setting Convection Auto Conversion, page 29.

- 3 Press **Start**. The display shows **Conv. Roast** and the changing temperature starting at 100 °F. As the oven preheats, the displayed temperature will increase in 5-degree increments.
- 4 Once the oven reaches the desired temperature, a tone sounds and the oven light flashes on and off. The display shows the auto converted oven temperature 350 °F, **Conv. Roast** and .
- 5 Place food in oven.

Broil

Your oven is designed for closed-door broiling. Broil uses an intense heat radiation from the upper gas burner.

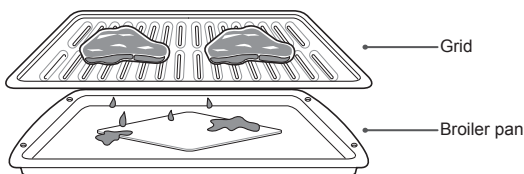
The Broil function works best when broiling thin, tender cuts of meat (1" or less), poultry or fish.

CAUTION

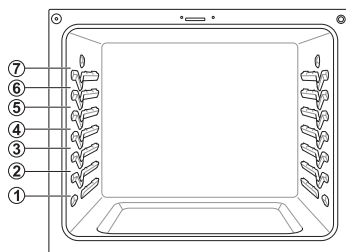
- Do not use a broiler pan without a grid. The oil can cause a grease fire.
- Do not cover the grid and broiler pan with aluminum foil. Doing so will cause a fire.
- Always use a broiler pan and grid for excess fat and grease drainage. This will help to reduce splatter, smoke, and flare-ups.
- Never use a broiler pan that is not thoroughly cleaned and at room temperature. If your broiler pan is damaged, warped, or has heavy permanent soiling, consider replacing it to reduce the amount of smoke you experience during broiling.

NOTE

- Use Lo broil to broil foods such as poultry and thick cuts of meat.
- Remove the pan from the oven to cool down for easy cleaning.
- For best results, use a pan designed for broiling, as shown below. The broiler pan will catch grease spills and the grid will help prevent grease splatters.



When broiling refer to the broiling guide for placing the rack.



Setting the oven to Broil

- 1 Turn the oven mode knob to select **Broil High** or **Broil Low**.
- 2 Press **Start**.
- 3 Allow the broiler to preheat for five minutes.
- 4 Place food in the oven.
- 5 Close the oven door. The oven door must be closed during broiling.

WARNING

When using your broiler, the temperature inside the oven is extremely hot. Take caution to avoid possible burns by:

- Keeping the door closed when broiling
- Always wearing oven mitts when inserting/removing food items

Improper use of the broiler may result in excessive smoke or a grease fire. Improper use conditions include, but are not limited to:

- Broiling on heavy rack in position 6.
- Setting the broiler to a higher power level than recommended.
- Using dirty/greasy broiler pans.
- Broiling beyond recommended cooking times.

NOTE

- This range is designed for closed-door broiling. Close the door to set the Broil function. If the door is open, the Broil function cannot be set and **door** appears on the display. Close the door and reset the Broil function. Opening the door turns off the broil burner during broiling. If the door is opened during broiling, the broil burner turns off after five seconds. The broiler turns back on automatically once the door is closed.

- 6 When broiling is finished, turn the oven mode knob to the **Off** position.

NOTE

During any Broil function, it is normal for the broiler to cycle on and off. The igniter for the broil burner on the ceiling of the oven glows orange periodically during normal broil operation.

Recommended Broiling Guide

The size, weight, thickness, starting temperature, and your preference of doneness will affect broiling times. This guide is based on meats at refrigerator temperature. For best results when broiling, use a pan designed for broiling.

Food	Quantity and/or Thickness	Rack Position	First Side (minutes)	Second Side (minutes)	Comments
Ground Beef Well done	1 lb. (4 patties) 1/2 to 3/4" thick	6	5-7	3-4	Space evenly. Up to 8 patties may be broiled at once.
Beef Steaks					Steaks less than 1" thick cook through before browning. Pan frying is recommended. Slash fat.
Rare	1" thick 1 to 1 1/2 lbs.	6	7	5	
Medium		6	12	5-6	
Well Done		6	13	8-9	
Rare	1 1/2" thick 2 to 2 1/2 lbs.	4	10	6-7	
Medium		4	12-15	10-12	
Well Done		4	25	16-18	
Toast	1 to 9 pieces	5	1-2	1-2	
Chicken	1 whole 2 to 2 1/2 lbs., split lengthwise 4 bone-in breasts	2	35-40	25	Brush each side with melted butter. Broil skin-side down.
		2	25-30	10-15	
Fish Fillets	1/4 to 1/2" thick	5	7-8	6	Handle and turn very carefully. Brush with lemon butter before and during cooking, if desired.
Ham Slices (precooked)	1" thick 1/2" thick	3 4	10 7	5 4	Increase time 5 to 10 minutes per side for 1 1/2" thick or home-cured ham.
Pork chops Well Done	2 (1/2" thick) 2 (1" thick) about 1lb.	4 4	10 13	8 8-9	Slash fat.
Lamb Chops					Slash fat.
Medium	2 (1" thick) about 10 to 12 oz.	5	6	4-7	
Well Done		5	10	10	
Medium	2 (1/2" thick) about 1lb.	5	10	4-6	
Well done		5	17	12-14	
Bacon	1/2 lb. (about 8 thin slices)	4	8	3	Arrange in single layer.
Lobster Tails	2-4 6 to 8 oz. each	3	13-16	Do not turn over.	Cut through back of shell. Spread open. Brush with melted butter before broiling and after half of broiling time.

- This guide is only for reference. Adjust cook time according to your preference.

NOTE

The USDA advises that consuming raw or undercooked fish, meat, or poultry can increase your risk of food-borne illness.

The USDA has indicated the following as safe minimum internal temperatures for consumption:

- Ground beef: 160 °F (71.1 °C)
- Poultry: 165 °F (73.9 °C)
- Beef, veal, pork, or lamb: 145 °F (62.8 °C)
- Fish / Seafood: 145 °F (62.8 °C)

Favorite (For model : LSG4511)

Use the **Favorite** feature to record and recall favorite recipe settings. **Favorite** can store and recall up to three settings. It cannot be used in combination with any other function except the **Cook Time** feature.

Setting the Favorite Function

- 1 Turn the oven mode knob to select **Favorite**.
- 2 Press **plus (+)** or **minus (-)** to cycle through the options (see table below). The default temperature appears in the display and **Bake** or **Convection Roast** and **Favorite** flash.
- 3 Press **Start** to select desired option and press **plus (+)** or **minus (-)** to set the desired oven temperature. This temperature is stored and will be recalled on next use.
- 4 Press **Start** to begin cooking with the selected options.
- 5 To cancel operation at any time, turn the oven mode knob to the **Off** position.

Category	To select	Default Temp. may be changed and recalled)	Operating Feature
1. Bread	Press plus (+) or minus (-) .	375°F	BAKE
2. Meat	Press plus (+) or minus (-) .	325°F	Convection Roast
3. Chicken	Press plus (+) or minus (-) .	350°F	Convection Roast

NOTE

- Only the set temperature is stored, not the cooking time.
- If oven temperature is changed, new temperature is stored.
- The temperature will still be stored after a power failure.

Pizza

This function automatically sets the oven temperature to cook either frozen pizza with regular or rising crust, or freshly made pizza. Simply choose the type of pizza (see chart) and set the desired cook time.

Setting the Oven for Pizza

- 1 Turn the oven mode knob to select the **Pizza** mode. **P1** appears in the display. Press **plus(+)** or **minus(-)** repeatedly to toggle between the **P1**, **P2** and **P3** options. (See Pizza Chart below.)
 - 2 Press **Start**. The oven starts to preheat.
- As the oven preheats, the temperature is displayed and rises in 5-degree increments. Once the oven reaches the set temperature, a tone sounds and the oven light blinks on and off.
- 3 Place pizza in the oven, close the door and set the timer following the suggestions in the chart.
 - 4 Turn the oven mode knob to the **Off** position to cancel Pizza at any time.
 - 5 Remove the food from the oven.

NOTE

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

Pizza Chart

Display Mode	Item	Rack position	Recommended time (minutes)
P1	Frozen pizza, Regular crust	5	14-16
P2	Frozen pizza, Rising crust	5	19-21
P3	Fresh Pizza	5	8-10

Warm

This function will maintain an oven temperature of 170 °F. The Warm function will keep cooked food warm for serving up to three hours after cooking has finished. The Warm function may be used without any other cooking operations.

Setting the Warm Function

- 1 Turn the oven mode knob to select **Warm**.
- 2 Press **Start**.
- 3 Turn the oven mode knob to the **Off** position when warming is finished.

NOTE

- The Warm function is intended to keep food warm. Do not use it to cool food down.
- It is normal for the fan to operate during the Warm function.

Proof

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

Setting the Proof Function

- 1 Use rack position 2 or 3 for proofing.
- 2 Turn the oven mode knob to select **Proof**.
- 3 Press **Start**.
- 4 Turn the oven mode knob to the **Off** position when proofing is finished.

NOTE

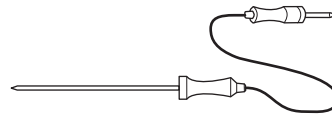
- To avoid lowering the oven temperature and lengthening proofing time, do not open the oven door unnecessarily. Check bread products early to avoid over proofing.
- Do not use the proofing mode for warming food or keeping food hot. The proofing oven temperature is not hot enough to keep foods at safe temperatures. Use the Warm feature to keep food warm. Proofing does not operate when the oven is above 125 °F. **Hot** shows in the display.
- It is normal for the fan to operate during the Proof function.

Meat Probe (For model : LSG4515)

The meat probe accurately measures the internal temperature of meat, poultry and casseroles. It should not be used during broiling, self clean, warming or proofing. Always unplug and remove the meat probe from the oven when removing food. Before using, insert the probe into the center of the thickest part of the meat or into the inner thigh or breast of poultry, away from fat or bones. Place food in the oven and connect the meat probe to the jack. Keep the probe as far away from heat sources as possible.

Setting the Meat Probe Function (example for Roast 375 °F with probe temp. 160 °F)

- 1 Insert the meat probe into the meat.



- 2 Connect the meat probe to the jack.
- 3 The meat probe icon flashes in the display if the meat probe is properly connected.

Method

- 1 Select cook mode. Turn the oven mode knob to select **Conv. Roast**.
- 2 Set the oven temperature: press **plus(+)** or **minus(-)** until 375 °F appears in the display.
- 3 Press **Probe**.
- 4 Set the probe temperature: press **plus(+)** or **minus(-)** until 160 °F appears in the display.
- 5 Press **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.

Changing the Probe temperature while cooking

- 1 Press **Probe**.
- 2 Set the probe temperature.
- 3 Press **Start**.

IMPORTANT NOTE

Turn the oven mode knob to the **Off** position to cancel the Meat Probe function at any time. To avoid breaking the probe, make sure food is completely defrosted before inserting.

CAUTION

- **Always use an oven mitt to remove the temperature probe. Do not touch the broil element.** Failure to obey this caution can result in severe personal injury.
- **To avoid damage to the meat probe, Do not use tongs to pull on the probe when removing it.**
- **Do not store the meat probe in the oven.**

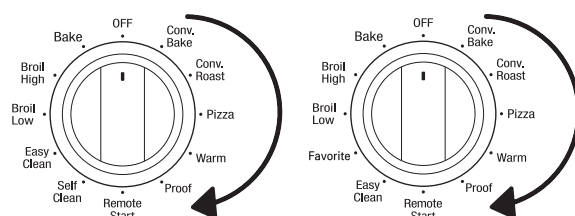
Recommended Probe Temperature Chart

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 (71 °C)
Pork	
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)

Remote Start

If the appliance is registered on a home Wi-Fi network, this function starts preheating and then holds the temperature for up to an hour (including preheating time). If the appliance is not registered on the network, "OFF" appears in the display. Follow the instructions on page 42 to register the appliance on the network.

Set the oven mode knob to the Remote Start position to use the function.



For Model : LSG4515, LSG4513

For Model : LSG4511

Setting Remote Start

- 1 Open the oven door to make sure the oven is empty and ready for pre-heating. Close the oven door.
- 2 Within 30 seconds of closing the door, turn the oven mode knob to select Remote Start. If more than 30 seconds passes before you initiate Remote Start, "door" appears in the display. If this occurs, open and close the door and try again.
- 3 When ON appears in the display, the Remote Start function is ready to use.
- 4 Follow the directions in the smart phone application to set the cook mode, temperature, and run time (preheating time plus holding time).

NOTE

Do not place food in oven before or during Remote Start run time.

Remote Start is disconnected in the following situations:

- Remote Start is never set up in the smart phone app.
- The Remote Start status is "OFF" or "door".
- Remote Start experiences a problem during operation.
- The Remote Start function cannot be started when the oven door is open. A beep alerts you to shut the door.

Sabbath Mode (For model : LSG4515)

Sabbath mode is used on the Jewish Sabbath and Holidays. While the oven is in Sabbath mode, the temperature cannot be changed and the timer, light, and alarm functions are disabled. If the oven light is on when the oven is put in Sabbath mode, it will remain on. Sabbath mode is only available when oven is in Bake mode.

Setting Sabbath Mode

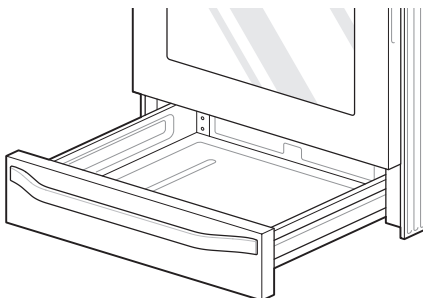
- 1 Disconnect the probe. The prove function is not available in Sabbath mode.
- 2 Turn the oven mode knob to select **Bake**.
- 3 Set the desired temperature and cook time.
- 4 Press **Start**.

- 5 Touch and hold **Start Time** for three seconds. **Sb** appears in the display when the Sabbath mode is activated.
- 6 To stop Sabbath mode, touch and hold **Start Time** for three seconds. To cancel the Bake function, set the oven mode knob to the **Off** position at any time.

NOTE

- If a cook time is set, the oven turns off automatically at the end of the cook time, without chiming. The oven remains in Sabbath mode, but is turned off.
- If no cook time is set, the oven will not automatically turn off.
- After a power failure, the display will turn back on in Sabbath mode, but the oven will be off.
- During Sabbath mode, the upper oven functions are blocked and Wi-Fi network cannot be connected. Use the included wok grate to safely support a 12" to 14" round-bottomed wok to stir-fry or saute meats, fish, or vegetables.
- Please always close the oven door first before engaging Sabbath Mode.




Operating the Warming Drawer (For model : LSG4515)



The Warming Drawer keeps hot cooked foods at serving temperature.

All food placed in the Warming Drawer should be covered with an oven-safe lid or aluminum foil to maintain quality. Do not place foil on bottom or sides of drawer. Do not use plastic wrap to cover food. Plastic may melt onto the drawer and be very difficult to clean. Use only utensils and cookware recommended for oven use in the Warming Drawer.




Setting the Warming Drawer Control

- 1 Press **Warming Drawer Set/Off**. The indicator light will flash. (If no further buttons are pressed within 25 seconds, the display will clear.)
- 2 Use the **plus(+)** or **minus(-)** button to set the power level:  for Low,  for Medium, and  for High.
- 3 When the food is ready, or to cancel, press **Warming Drawer Set/Off**.

NOTE

- The Warming Drawer shuts off automatically after three hours.
- Do not heat cold food in the Warming Drawer.
- Do not use pans or utensils with rough finishes in the Warming Drawer. Doing so can leave scratches on the inner drawer surfaces.

Warming Drawer food/power level recommendations

Setting	Type of Food	
Low 	<ul style="list-style-type: none"> • Rolls (Soft) • Empty dinner plates 	
Medium 	<ul style="list-style-type: none"> • Gravies • Casseroles • Eggs • Vegetables 	<ul style="list-style-type: none"> • Biscuits • Rolls (hard) • Pastries • Roasts
High 	<ul style="list-style-type: none"> • Bacon • Hamburger patties • Poultry • Pork chops 	<ul style="list-style-type: none"> • Pizza • Fried Foods



Different types of food may be placed in the warming drawer at the same time. For best results, do not leave food in the warming drawer for more than one hour. Do not leave smaller quantities or heat-sensitive food, such as eggs, in the warming drawer more than 30 minutes. The maximum operating time is three hours.

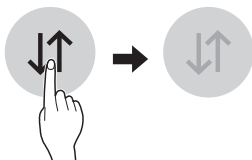
SMART FUNCTIONS

LG SmartThinQ Application

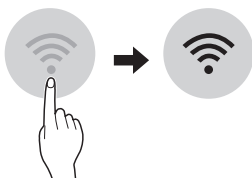
The LG SmartThinQ application allows you to communicate with the appliance using a smartphone.

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.
- 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.


NOTE

- 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 smartphone. 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

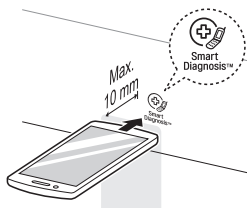
Keep the appliance updated.



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.

- 1 Call the LG call center at: (LG U.S.) 1-800-243-0000 (LG Canada) 1-888-542-2623.

- 2 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.

- 3 Press and hold the **Start** button for three seconds.
- 4 Keep the phone in place until the tone transmission has finished. This takes about 6 seconds and the display will count down the time.
- 5 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.

- 1 Open the LG SmartThinQ application on the smart phone.
- 2 Select the appliance and then the menu on upper right side.
- 3 Select the **Smart Diagnosis**, then press **Start Smart Diagnosis** button.

NOTE

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

- 4 Follow the instructions on the smart phone.
- 5 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 LAN Module (LCW-004) Specifications

Frequency Range	2412~2462 MHz
Output Power (max.)	IEEE 802.11 b : 22.44 dBm IEEE 802.11 g : 24.68 dBm IEEE 802.11 n : 24.11 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.