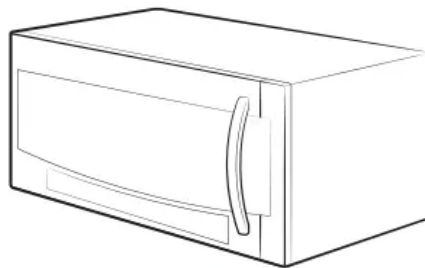


Setting up your new microwave oven

Be sure to follow these instructions closely so that your new microwave oven works properly.

Checking the parts

- Carefully unpack your microwave oven, and make sure you've received all the parts shown below. If your microwave oven was damaged during shipping, or if you do not have all the parts, contact the Samsung Call Center. (Refer to the "WARRANTY AND SERVICE INFORMATION" on page 75.)



Microwave oven



* Ceramic Enamel Tray



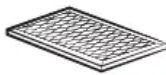
* Glass Tray



* Roller Guide Ring



* Grease Filters (2 ea)



* Charcoal filter



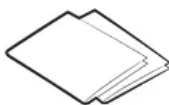
* Exhaust adaptor



* Hardware kit (Screws & Brackets)



Manuals (User & Installation)



Templates (Top & Wall)



Cooking Guide Manual

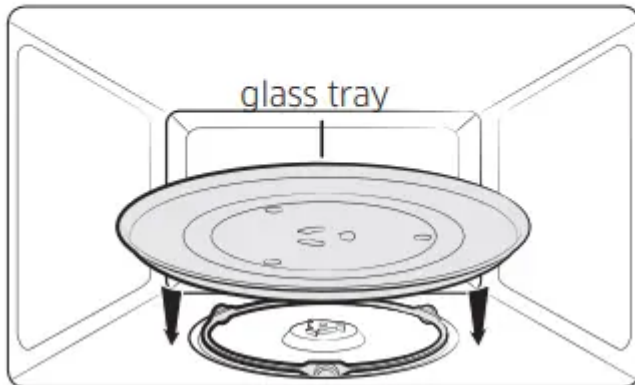
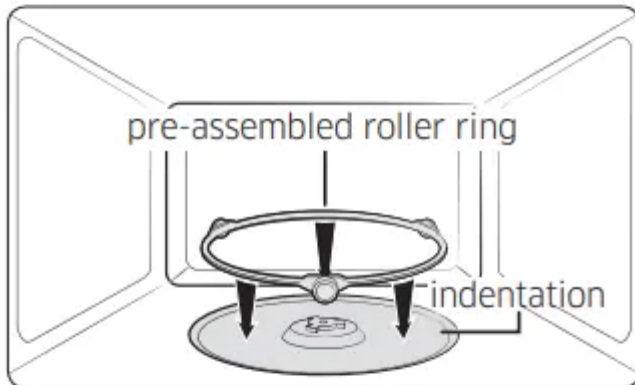


* Low Rack



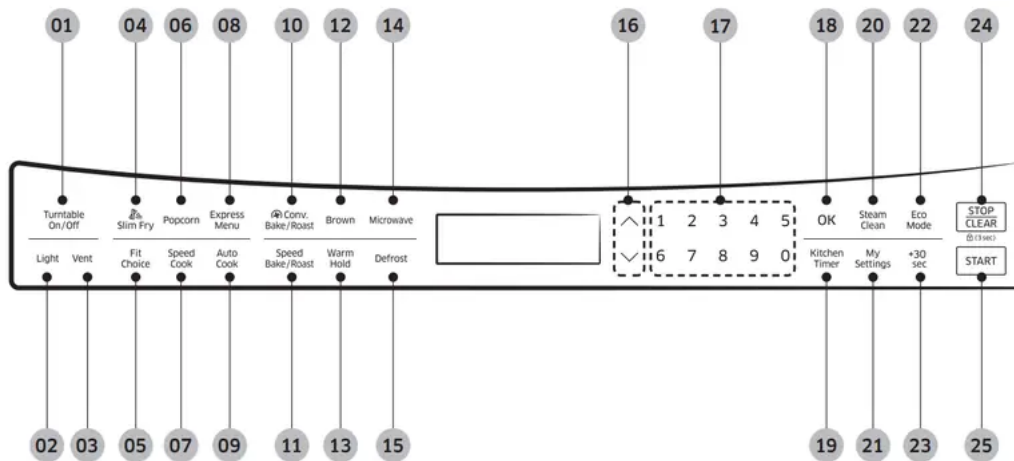
* High Rack

Setting up your microwave oven



1. Open the door by pulling the handle on the right side of the door.
2. Wipe the inside of the oven with a damp cloth.
3. Install the pre-assembled ring into the indentation at the center of the microwave oven.
4. Place the glass tray securely in the center of the pre-assembled roller ring.

Checking the control panel

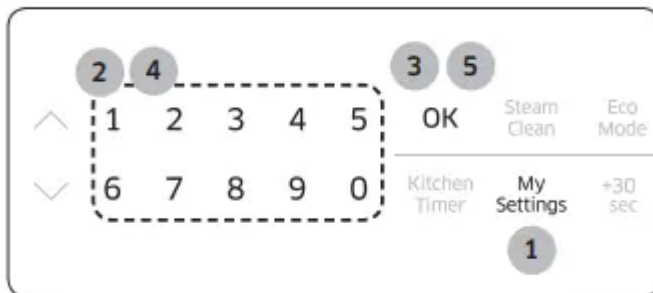


01. Turntable On/Off Button
02. Light Button (Hi/Low/Off)
03. Vent Button (3 Speed & On/Off)
04. Slim Fry Button
05. Fit Choice Button
06. Popcorn Button
07. Speed Cook Button
08. Express Menu Button
09. Auto Cook Button
10. Convection Bake/Roast Button
11. Speed Bake/Roast Button
12. Brown Button
13. Warm Hold Button
14. Microwave Button
15. Defrost Button
16. Up&Down Buttons
17. Numeric Buttons
18. OK Button
19. Kitchen Timer Button
20. Steam Clean Button
21. My Settings Button

22. Eco Mode Button
23. +30sec Button
24. Stop/Clear Button
25. Start Button

Setting the time

Your microwave oven is equipped with a built-in clock. Set the clock when first installing your microwave oven and after a power failure. The time is displayed whenever the microwave oven is not being used.

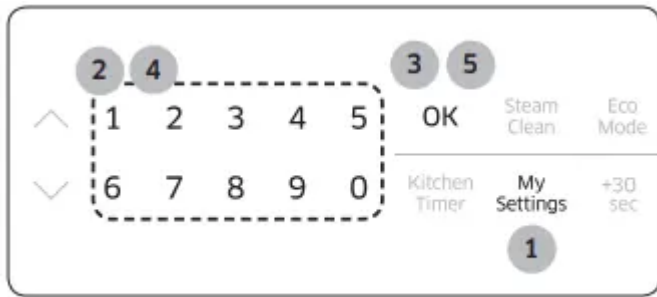


1. Press the My Settings button.
2. Press the 9 button.
3. Press the OK button.
4. Use the numeric buttons to enter the current time. You need to press at least three numbers to set the clock. For example, if the current time is 5:00, press 5, 0, 0. The display will show 5 : 00.
5. Press the OK button

Using my setting feature

You can customize your new microwave oven to suit your preferences.

To customize:



1. Press the My Settings button.
2. Press one of the numeric buttons to select a function you want to customize.
3. Press the OK button.
4. Press one of the numeric buttons to select a function you want to customize.
5. Press the OK button

The functions, options, and corresponding numeric buttons are listed in the table below.

No.	Function	Description	Options
1	Display Weight	Weight options are pounds and kilograms.	1 Lbs. 2 Kg.
2	12 HR/24 HR	The clock can display in either the 12 HR or 24 HR time mode.	1 12 HR 2 24 HR
3	Sound	Sound can be turned On and Off.	1 Sound ON 2 Sound OFF
4	Remind End Signal	The Remind End Signal can be turned On and Off.	1 ON 2 OFF
5	Daylight Savings Time Adjustment	The time can be advanced one hour for DST without resetting the clock.	1 ON (to advance one hour) 2 OFF (to go back one hour)
6	Demo Mode	The Demo Mode can be turned On and Off.	1 ON 2 OFF
7	Filter Remind	The Filter Remind function can be turned On and Off.	1 ON 2 OFF
8	Word Scroll Speed	There are three speeds, Slow, Normal, and Fast. The default is Normal speed.	1 Slow speed 2 Normal speed 3 Fast speed
9	Clock	The clock can be adjusted.	Press the numeric buttons to enter the current time. (First 2 digits are for hours, last 2 digits are for minutes.)

NOTE: If you change your mind while adjusting a setting, press the STOP/CLEAR button to cancel, and then adjust the setting again.

NOTE: If there is a power interruption, you will need to reset these options.

NOTE: If the clock is set for standard time, the Daylight Savings Time Adjustment function allows you to change the time easily without needing to reset the clock. Daylight Saving Time begins for most of the United States at 2 a.m. on the first Sunday of April and reverts to Standard time at 2 a.m. on the last Sunday of October.

Filter Reminder

- If the Filter Remind function is ON, the microwave will remind you to clean or replace the grease filter every four months. When it is time to clean or replace the grease filter, the microwave displays the “Filter” message to remind you to clean or replace the grease filter. To remove the message, press the number 0 when the microwave is in standby mode. If you don't want to receive this message, set the Filter Remind function off in My settings.

Using your microwave oven

Using the stop/clear button

The STOP/CLEAR button allows you to clear instructions you have entered.

It also allows you to pause the oven's cooking cycle, so that you can check the food.

- To pause the oven during cooking, press the STOP/CLEAR button once. To restart, press the START button.
- To stop cooking, erase instructions, and return the oven display to the time of day, press the STOP/CLEAR button twice.
- To clear instructions you have just entered, press the STOP/CLEAR button once, and then re-enter the instructions.
- To cancel a timer setting, press the STOP/ CLEAR button once.

Using the child lock

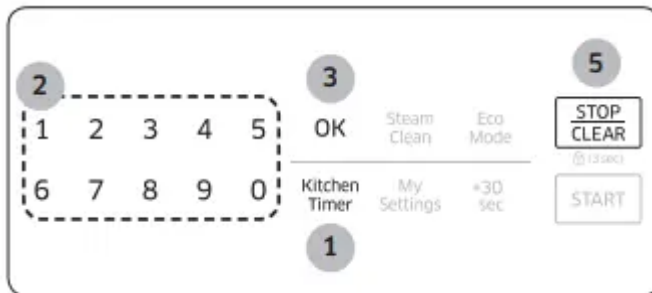
- The Child Lock function allows you to lock all buttons except Eco Mode so that the microwave oven cannot be operated by children accidentally. The oven can be locked at any time.



- Activating / Deactivating: If you want to activate or deactivate the child lock function, press the STOP/CLEAR button for 3 seconds. The display will show 'CHILD LOCK ON' or 'CHILD LOCK OFF' when the oven is locked or unlocked, and then redisplay the time.

Using the kitchen timer

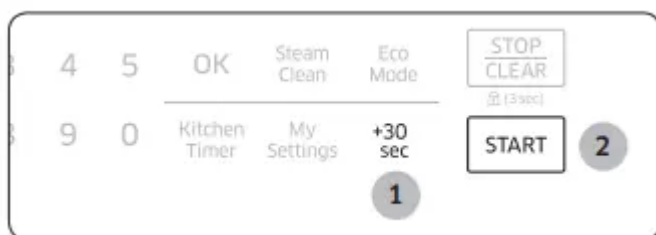
- Your microwave has a built-in timer function - the Kitchen Timer. Use the Kitchen Timer for timing up to 99 minutes, 99 seconds.



1. Press the Kitchen Timer button.
2. Use the numeric buttons to set the time you want the timer to run. (Max time 99 minutes, 99 seconds.)
3. Press the OK button.
4. The display counts down and beeps when the time has elapsed.
5. To cancel the timer setting : Press the STOP/CLEAR button once.

Using the microwave +30 sec. feature

This feature offers a convenient way to heat food in set time increments at the High power level (100 % power).



1. Press the + 30 sec button for each additional 30 seconds you want the food to be cooked for. (For example, press the button twice to cook for one minute.)
2. Press the START button. NOTE When the oven is operating, if you press the + 30 sec button, the cooking time will be increased by 30 seconds.

Using the more/less feature

The More or Less feature allows you to adjust the pre-set cooking time. It works with 1 and 2 stage cooking, MW, Bake, Roast, Brown, Speed Bake/Roast, and Warm Hold buttons.



Use the More or Less feature only after cooking has begun.

1. To ADD more time to a cooking procedure, press the More button. Each time you press the More button, the cooking time will be increased by 10 seconds.
2. To REDUCE the time of a cooking procedure, press the Less button. Each time you press the Less button, the cooking time will be decreased by 10 seconds.

Using the eco mode



- Eco Mode reduces standby power usage. When you press the Eco Mode button once, the display will go out and the microwave shifts to a mode which minimizes power usage. To cancel the Eco Mode, press the Eco Mode button once again, or press any other button.

Using the steam clean feature

The steam provided by the steam clean system will soak the cavity surface. After using the steam clean function, you can easily clean the cavity of the oven.



1. Open the door.
2. Carefully pour about 2fl.oz. of water into a wide plate.



3. Place the plate on the tray of the microwave oven.
4. Close the door.
5. Press the Steam Clean button.
6. Press the START button. Steam clean will operate for 6 minutes and 30 seconds. The length of time cannot be modified.
7. When the cleaning time is over, the oven will beep. Open the door.
8. Clean the cavity of the oven with a dry dishtowel. Remove the turntable and wipe under the rack with a piece of paper towel.

Turntable on/off feature



- For best cooking results, leave the turntable on. However, for large dishes it can be turned off.
- Press the Turntable On/Off button to turn the turntable on or off.

Turning on the light



- Press the Light button to turn the cooktop lamp on or off. Press the button once for high, twice for low, and three times to turn the cooktop lamp off.

Turning on the vent

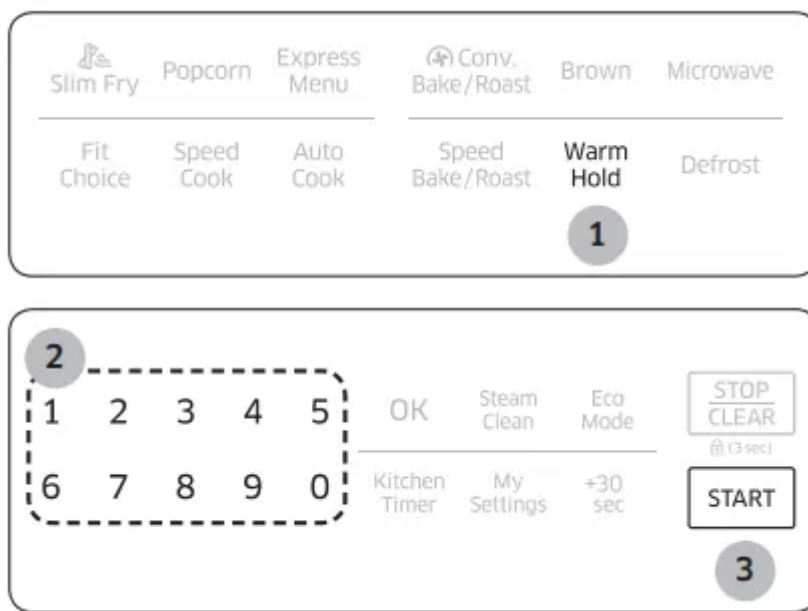
- The vent fan removes steam and other vapors that result from cooking on the rangetop below.



- Press the Vent button once for high fan speed, twice for medium fan speed, and three times for low fan speed. Press the Vent button four times to turn the fan off.

Using the warm hold feature

You can keep cooked food warm in your microwave oven for up to 99 minutes and 99 seconds.



1. Press the Warm Hold button.
2. Enter the warm hold time by pressing the numeric buttons. If you don't set the time, your oven will maintain the Warm Hold function for 99 minutes.
3. Press the START button.

Below are the amounts of food we recommend you apply the Warm Hold function to by Food Type.

Food Type	Recommended Quantity
Liquid	1-2 cups
Dry	5-10 oz.



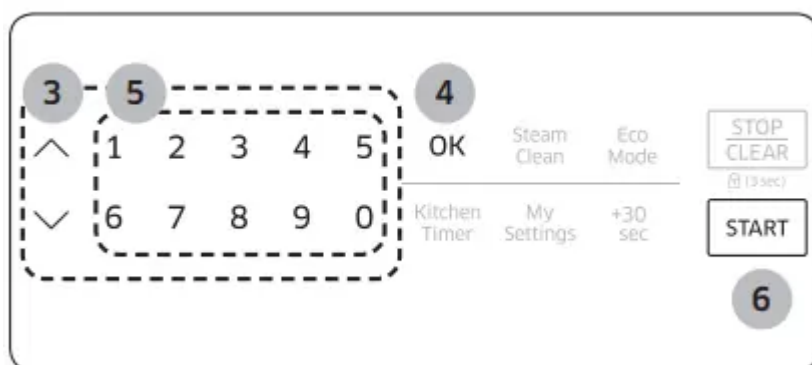
Using the defrost button

Remove all packaging material before defrosting. Place meat, poultry, fish, bread, etc. on a ceramic plate.

General defrosting instructions:



1. Place the food on the turntable (glass tray).
2. Press the Defrost button.



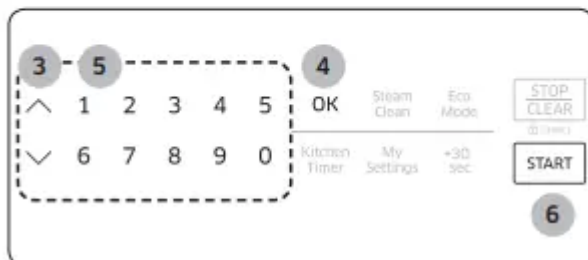
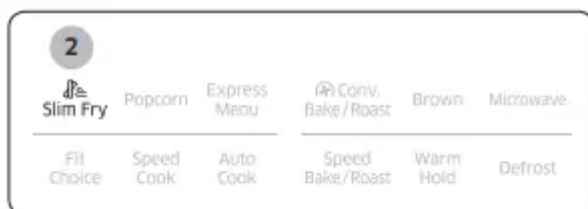
3. To select the number that corresponds to the food you want to defrost, press the Up&Down key or one of the numeric buttons. (Refer to the below table.)
4. Press the OK button.
5. Enter the weight of the food by pressing the numeric buttons. (Refer to the table below to see the weights you can enter.)
6. Press the START button. The microwave oven will automatically operate for the pre-programmed time.

For specific instructions for different kinds of food, see the table below.

Cook No.	Food	Amount	Standing Time	Remark
1	Meat	0.1~6.0 lbs.	5-10 min	Shield the edges with aluminium foil. Turn the meat over when the oven beeps. This program is suitable for lamb, pork, steaks, chops, and ground meat. For ground meat, place the meat directly on the turntable tray on wax paper. Do not use an extra tray. Let stand, covered with foil, for 5–10 minutes.
2	Poultry	0.1~6.0 lbs.	30-60 min	Shield the leg and wing tips with aluminium foil. Turn the poultry over when the oven beeps. This program is suitable for whole chicken as well as for chicken portions.
3	Fish	0.1~6.0 lbs.	20-60 min	Shield the tail of a whole fish with aluminium foil. Turn the fish over when the oven beeps. This program is suitable for whole fish as well as for fish fillets.
4	Bread	0.1~2.0 lbs.	5-20 min	Put bread on a piece of paper towel. Turn over as soon as the oven beeps. Place cake on a ceramic plate and if possible, turn over as soon as the oven beeps. (The oven keeps operating and stops only when you open the door.) This program is suitable for all kinds of bread, sliced or whole, as well as for bread rolls and baguettes. Arrange bread rolls in a circle.

Using the slim fry button

The Slim Fry menu contains pre-set cooking programs for 9 different items. You do not need to set the cooking times or the power level.



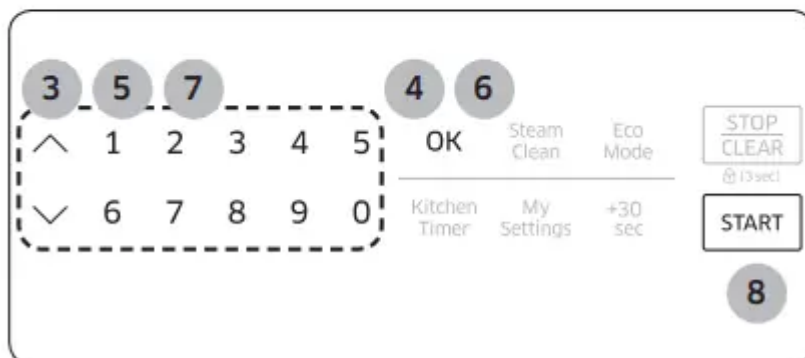
1. Place the food on the tray or the rack. (See Accessory Usage on page 26)
2. Press the Slim Fry button.
3. To select the number that corresponds to the food, press the Up&Down key or one of the numeric buttons. (Refer to the table on the next page.)
4. Press the OK button.
5. Enter the amount of food by pressing the Up&Down key or one of the numeric buttons. (Refer to the table on the next page.)
6. Press the START button. The microwave oven will automatically operate for the pre-programmed time.

Cook No.	Food	Amount	Directions	Accessory Type
1	Frozen Oven Chips	2 servings (8 oz, 227 g) 4 servings (16 oz, 454 g)	Place frozen french fries on greased ceramic enamel tray. Place the tray on high rack.	C
2	Frozen Prawns, Breaded	2 servings (8 oz, 227 g) 4 servings (16 oz, 454 g)	Place frozen prawns in ceramic enamel tray. Place the tray on high rack. When the oven beeps, turn prawns over, and then re-start the oven.	C
3	Frozen Chicken Nuggets	1. serving (5 ea) 2. servings (10 ea) (5 ea per serving)	Place chicken nuggets on the ceramic enamel tray. Place the tray on high rack.	C
4	Frozen Mini Spring Rolls	1 serving (6 oz, 170 g) 2 servings (24 oz, 680 g)	Place frozen spring rolls on ceramic enamel tray. Place the tray on high rack.	C
5	Homemade French Fries	2 servings (8 oz, 227 g) 4 servings (12 oz, 340 g)	Peel potatoes and cut into sticks with a thickness of 0.4 x 0.4 inches (10 x 10 mm). Soak in cold water for 30 mins. Dry with a towel, and then brush with $\frac{1}{4}$ oz (5 g) oil. Place on greased ceramic enamel tray. Place the tray on high rack.	C
6	Frozen Potato Wedges	2 servings (8 oz, 227 g) 4 servings (16 oz, 454 g)	Place frozen potato wedges on greased ceramic enamel tray. Place the tray on high rack.	C

7	Frozen Potato Croquettes	2 servings (8 oz, 227 g) 4 servings (16 oz, 454 g)	Place frozen potato croquettes on greased ceramic enamel tray. Place the tray on high rack. When the oven beeps, turn croquettes over, and then re-start the oven.	C
8	Drumsticks	1 serving (12 oz, 340 g) 2 servings (24 oz, 680 g) (4 pcs per serving)	Rinse drumsticks and place them directly on high rack. Place the high rack on the ceramic enamel tray.	D
9	Sliced Courgettes	2 servings (8 oz, 227 g) 4 servings (16 oz, 454 g)	Cut courgettes and brush with ¼ oz (5 g) oil. Place sliced courgettes on greased ceramic enamel tray. Place the tray on the high rack. When the oven beeps, turn the pieces over, and then re-start the oven.	C

Using the fit choice button

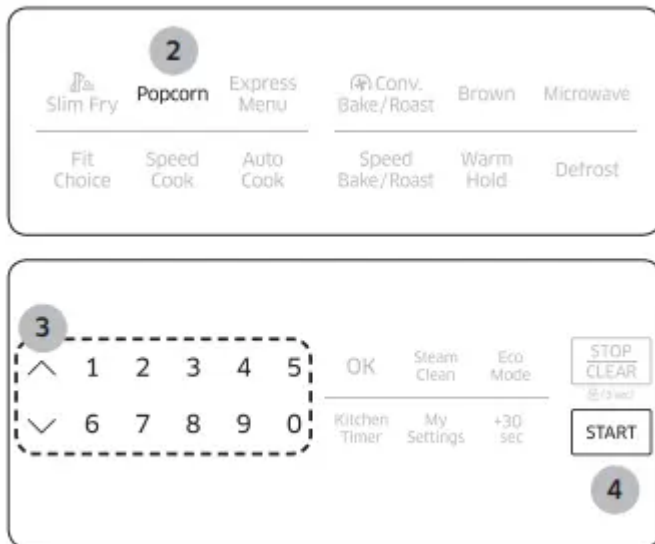
The Fit Choice menu contains pre-set cooking programs for 30 different items. You do not need to set the cooking times or the power level.



1. Place the food on the tray or the rack. (See Accessory Usage on page 26)
2. Press the Fit Choice button.
3. To select the number that corresponds to the category, press the Up&Down key or one of the numeric buttons. (Refer to the table beginning on the next page.)
4. Press the OK button.
5. To select the number that corresponds to the food, press the Up&Down key or one of the numeric buttons. (Refer to the table beginning on the next page.) After selecting the food, if you do not need to set the amount, press the START button. If you need to set the amount, go to Step 6.
6. Press the OK button.
7. Enter the amount of food by pressing the Up&Down key or one of the numeric buttons. (Refer to the table beginning on the next page.)
8. Press the START button. The microwave oven will automatically operate for the pre-programmed time.

Using the popcorn button

You can cook the popcorn easily using Popcorn button. You do not need to set either the cooking times or the power level.



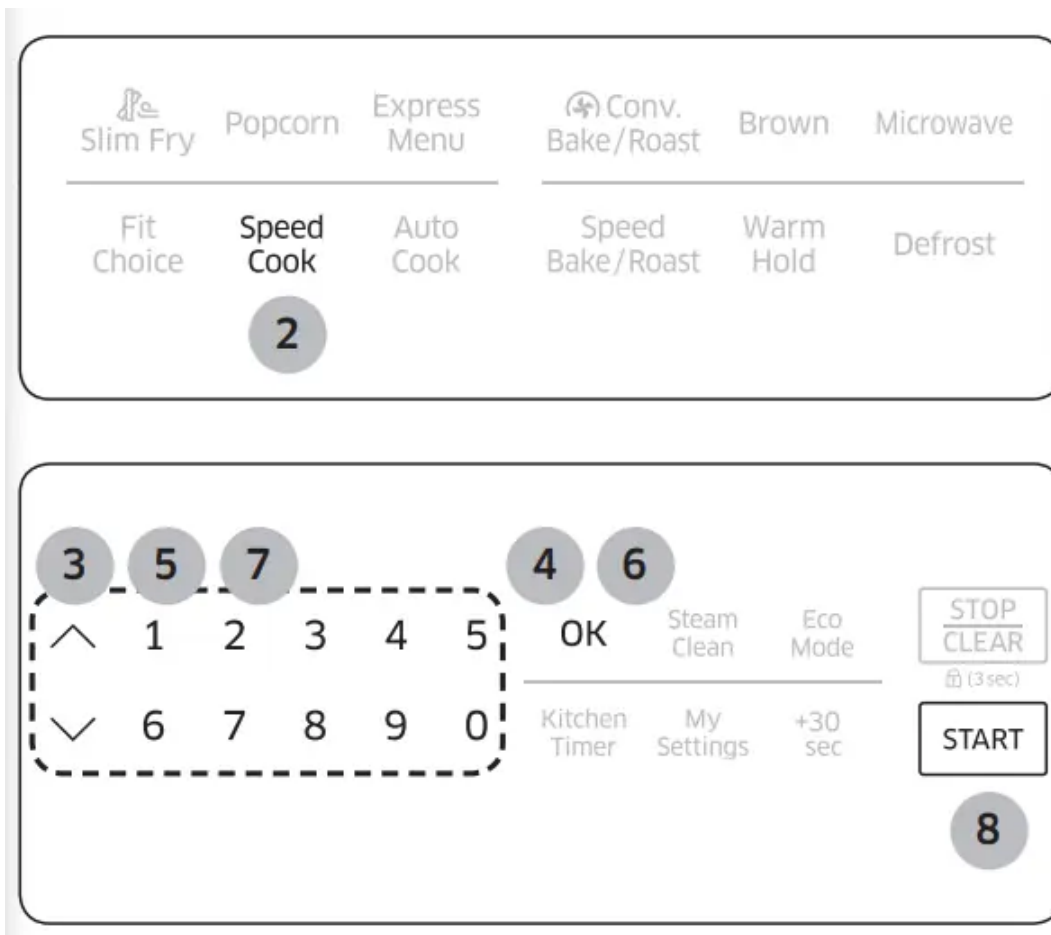
1. Put some food on the tray. (See Accessory Usage on page 26)
2. Press the Popcorn button.
3. Enter the amount of food by pressing the Up&Down key or one of the numeric buttons.

NO.	1	2	3
Amount	3.5 oz (99 g)	3.0 oz (85 g)	1.5 oz (43 g)

4. Press the START button. Then the microwave oven will automatically be operated for preprogrammed time.

Using the speed cook button

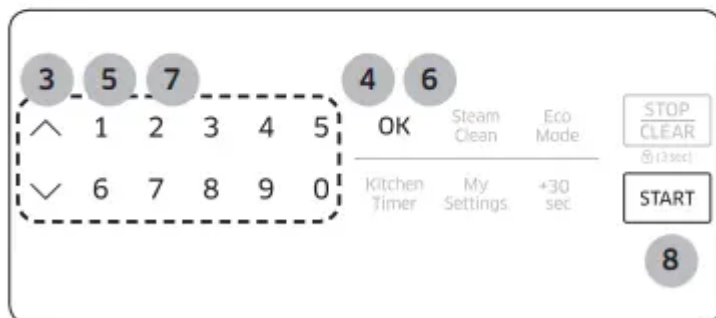
The Speed Cook menu contains pre-set cooking programs for 41 different items. You do not need to set the cooking times or the power level.



1. Place the food on the tray or the rack. (See Accessory Usage on page 26)
2. Press the Speed Cook button.
3. To select the number that corresponds to the category, press the Up&Down key or one of the numeric buttons. (Refer to the table beginning on the next page.)
4. Press the OK button.
5. To select the number that corresponds to the food, press the Up&Down key or one of the numeric buttons. (Refer to the table beginning on the next page.) After selecting the food, if you do not need to set the amount, press the START button. If you need to set the amount, go to Step 6.
6. Press the OK button.
7. Enter the amount of food by pressing the Up&Down key or one of the numeric buttons. (Refer to the table beginning on the next page.)
8. Press the START button. The microwave will automatically operate for the preprogrammed time.

Using the auto cook button

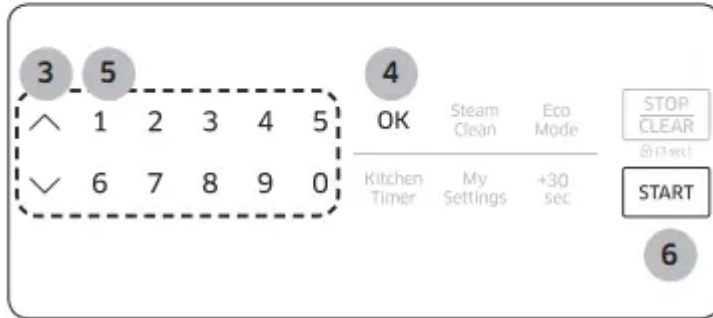
The Auto Cook menu contains pre-set cooking programs for 45 different items. You do not need to set the cooking times or the power level.



1. Place the food on the tray or the rack. (See Accessory Usage on page 26)
2. Press the Auto Cook button.
3. To select the number that corresponds to the category, press the Up&Down key or one of the numeric buttons. (Refer to the table that begins on the next page.)
4. Press the OK button.
5. To select the number that corresponds to the food, press the Up&Down key or one of the numeric buttons. (Refer to the table that begins on the next page.) After selecting the food, if you do not need to set the amount, press the START button. If you need to set the amount, go to Step 6.
6. Press the OK button.
7. Enter the amount of food by pressing the Up&Down key or one of the numeric buttons. (Refer to the table that begins on the next page.)
8. Press the START button. The microwave will automatically operate for the preprogrammed time.

Using the express menu feature

This feature offers a convenient way to heat food that you cook frequently. You do not need to set either the cooking times or the power level.



1. Place the food on the turntable. (glass tray)
2. Press the Express Menu button.
3. To select the number that corresponds to the food, press the Up&Down key or one of the numeric buttons. (Refer to the table on the next page.) After selecting the food, if you do not need to set the amount, press the START button. If you need to set the amount, go to Step 4.
4. Press the OK button.
5. Enter the amount of food by pressing the Up&Down key or one of the numeric buttons. (Refer to the table on the next page.)
6. Press the START button. The microwave will automatically operate for the preprogrammed time.

Cookware guide

To cook food in your microwave oven, microwaves must be able to penetrate the food without being reflected or absorbed by the dish.

It is important to choose the correct cookware, therefore look for cookware that is marked microwave-safe.

The following table lists various types of cookware and indicates if and how they should be used in a microwave oven

Recommended cooking utensils

- Glass and glass-ceramic bowls and dishes — Use for heating or cooking.

- Microwavable plastic wrap — Use to cover. Leave a small opening for steam to escape and avoid placing it directly on the food.
- Wax paper — Use as a cover to prevent spattering.
- Paper towels and napkins — Use for short-term heating and covering. They absorb excess moisture and prevent spattering. Do not use recycled paper towels, which may contain metal and can catch fire.
- Paper plates and cups — Use for short-term heating at low temperatures. Do not use recycled paper, which may contain metal and can catch fire.
- Thermometers — Use only those labeled “Microwave Safe” and follow all directions. Check the food in several places. Conventional thermometers may be used once the food has been removed from the oven.

Limited use items

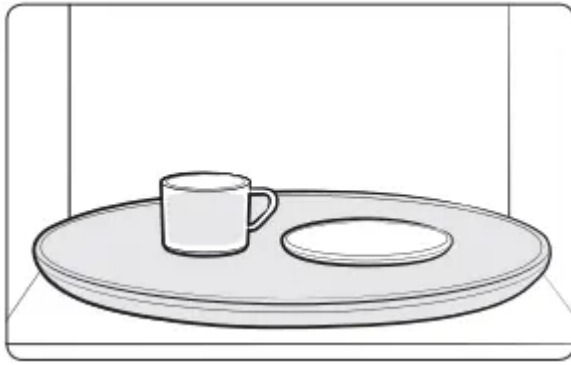
- Aluminum foil — Use narrow strips of foil to prevent overcooking of exposed areas. Using too much foil can damage your oven, so be careful.
- Ceramic, porcelain, and stoneware — Use these if they are labeled “Microwave Safe”. If they are not labeled, test them to make sure they can be used safely. Never use dishes with metallic trim.
- Plastic — Use only if labeled “Microwave Safe”. Other plastics can melt.
- Straw, wicker, and wood — Use only for short-term heating, as they are flammable.

Not recommended

- Glass jars and bottles — Regular glass is too thin to be used in a microwave and can shatter.
- Paper bags — These are a fire hazard, except for popcorn bags that are designed for microwave use.
- Styrofoam plates and cups — These can melt and leave an unhealthy residue on food.
- Plastic storage and food containers — Containers such as margarine tubs can melt in the microwave.

Testing utensils

If you are not sure whether a dish is microwave-safe or not, you can perform this test:



1. Fill a 1 cup glass measuring cup with water and put it inside your oven, next to the dish you want to test.
2. Set the microwave to 1 minute using the numeric buttons, and then press the START button. This will heat the glass and dish for one minute at High power.

When the microwave stops, the water should be warm and the dish you are testing should be cool.

Microwave energy actually penetrates food and is attracted to and absorbed by the water, fat, and sugar molecules in the food. The microwaves cause the molecules in the food to move rapidly. The rapid movement of these molecules creates friction and the resulting heat cooks the food.

Cooking techniques

- **Stirring:** Stir foods such as casseroles and vegetables while cooking to distribute heat evenly. Food at the outside of the dish absorbs more energy and heats more quickly, so stir from the outside to the center. The oven will turn off when you open the door to stir your food.
- **Arrangement:** Arrange unevenly shaped foods, such as chicken pieces or chops, with the thicker, meatier parts toward the outside of the turntable where they receive more microwave energy. To prevent overcooking, place thin or delicate parts toward the center of the turntable.
- **Shielding:** Shield food with narrow strips of aluminum foil to prevent overcooking. Areas that need shielding include poultry wing-tips, the ends of poultry legs, and the corners of square baking dishes. Use only small amounts of aluminum foil. Larger amounts can damage your oven.
- **Turning:** Turn foods over midway through cooking to expose all parts to microwave energy. This is especially important with large items such as roasts.
- **Standing:** Food cooked in the microwave builds up internal heat and continues to cook for a few minutes after the oven stops. Let food stand to complete cooking, especially food such as roasts and whole vegetables. Roasts need this time to complete cooking in the center without overcooking the outer areas. All liquids, such as soup or hot chocolate, should be shaken or stirred when cooking is complete. Let liquids stand a

moment before serving. When heating baby food, stir well and test the temperature before serving.

- Adding Moisture: Microwave energy is attracted to water molecules. Food that is uneven in moisture content should be covered or allowed to stand so that the heat disperses evenly. Add a small amount of water to dry food to help it cook.
- Venting: After covering a dish with plastic wrap, vent the plastic wrap by turning back one corner so excess steam can escape.

Recommended cooking utensils

- Dense foods, such as potatoes, take longer to heat than lighter foods. Food with a delicate texture should be heated at a low power level to prevent it from becoming tough.
- Altitude and the type of cookware you are using can affect cooking time. When trying a new recipe, use the minimum cooking time and check the food occasionally to prevent overcooking.
- Food with a non-porous skin such as potatoes or hot dogs should be pierced to prevent bursting.
- Frying with oil or fat is not recommended. Fat and oil can suddenly boil over and cause severe burns.
- Some ingredients heat faster than others. For example, the jelly inside a jelly doughnut will be hotter than the dough. Keep this in mind to avoid burns.
- Home canning in the microwave oven is not recommended because all harmful bacteria may not be destroyed by the microwave heating process.
- Although microwaves do not heat the cookware, the heat from the food is often transferred to the cookware. Always use pot holders when removing food from the microwave and instruct children to do the same.
- Making candy in the microwave is not recommended as candy can heat to very high temperatures. Keep this in mind to avoid injury.

Guide for cooking eggs in your microwave

- Never cook eggs in the shell and never warm hard-cooked eggs in the shell. They can explode
- Always pierce whole eggs to keep them from bursting.
- Cook eggs just until set. They become tough if overcooked.

Guide for cooking vegetables in your microwave

- Vegetables should be washed just before cooking. Often, no extra water is needed. If you are cooking dense vegetables such as cubed potatoes, carrots, or green beans, add

about ¼ cup water. • Small vegetables (sliced carrots, peas, lima beans, etc.) will cook faster than larger ones.

- Whole vegetables, such as potatoes, acorn squash, or corn on the cob, should be arranged in a circle on the turntable before cooking. They will cook more evenly if turned over after half the cooking time.
- Always place vegetables like asparagus and broccoli with the stem ends pointing towards the edge of the dish and the tips toward the center.
- When cooking cut vegetables, always cover the dish with a lid or vented microwavable plastic wrap.
- Whole, unpeeled vegetables such as potatoes, squash, eggplant, etc., should have their skin pricked in several spots before cooking to prevent them from bursting.
- For more even cooking, stir or rearrange whole vegetables halfway through the cooking time.
- Generally, the denser the food, the longer the standing time. (Standing time refers to the time necessary for dense, large foods and vegetables to finish cooking after they come out of the oven.) A baked potato can stand on the counter for five minutes before cooking is completed, while a dish of peas can be served immediately.

Cleaning and maintaining your microwave oven

Keeping your microwave oven clean improves its performance, wards off unnecessary repairs, and lengthens its life

Cleaning the exterior

- It's best to clean spills on the outside of your microwave oven as they occur. Use a soft cloth and warm, soapy water. Rinse and dry

CAUTION: Do not get water into the vents. Never use abrasive products or chemical solvents such as ammonia or alcohol as they can damage the appearance of your microwave.

WARNING: Unplug the microwave plug before cleaning.

Cleaning under your microwave oven

- Regularly clean grease and dust from the bottom of your microwave using a solution of warm water and detergent.

Cleaning the control panel

- Wipe with a damp cloth and dry thoroughly. Do not use cleaning sprays, large amounts of soap and water, abrasives, or sharp objects on the panel as it is easily damaged.

Cleaning the door and door seals

- Always ensure that the door seals are clean and that the door closes properly. Take particular care when cleaning the door seals to ensure that no particles accumulate and prevent the door from closing correctly. Wash the glass door with very mild soap and water. Be sure to use a soft cloth to avoid scratching.

NOTE: If steam accumulates inside or outside the oven door, wipe with a soft cloth. Steam can accumulate when you operate the oven when humidity is high and in no way indicates microwave leakage.

Cleaning the interior

CAUTION: To avoid injury, ensure that the microwave oven has cooled down before cleaning it.

CAUTION: Remove the glass tray from the oven when cleaning the oven or tray. To prevent the tray from breaking, handle it with care and do not put it in water immediately after cooking. Wash the tray carefully in warm sudsy water or in the dishwasher. See the Steam Clean section on page 22.

Cleaning the turntable and roller rings

- Clean the roller rings periodically and wash the turntable as required. The turntable can be washed safely in your dishwasher.

Storing and repairing your microwave oven

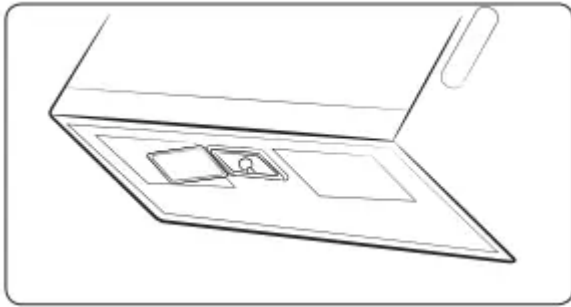
- If you need to store your microwave oven for a short or extended period of time, choose a dust-free, dry location. Dust and dampness may adversely affect the functionality of the microwave parts.

WARNING

- Do not repair, replace, or service any part of your microwave oven yourself. Allow only a qualified service technician to perform repairs. If the oven is faulty and needs servicing, or you are in doubt about its condition, unplug the oven from the power outlet and contact your nearest service center.
- Do not use the oven if the microwave oven is damaged, in particular, if the door or door seals are damaged or the door does not close properly. This can be caused by a broken hinge, a worn out seal or distorted/ bent casing.
- Do not remove the oven from its casing. This microwave oven is for home use only and is not intended for commercial use.

Replacing the cooktop/night light

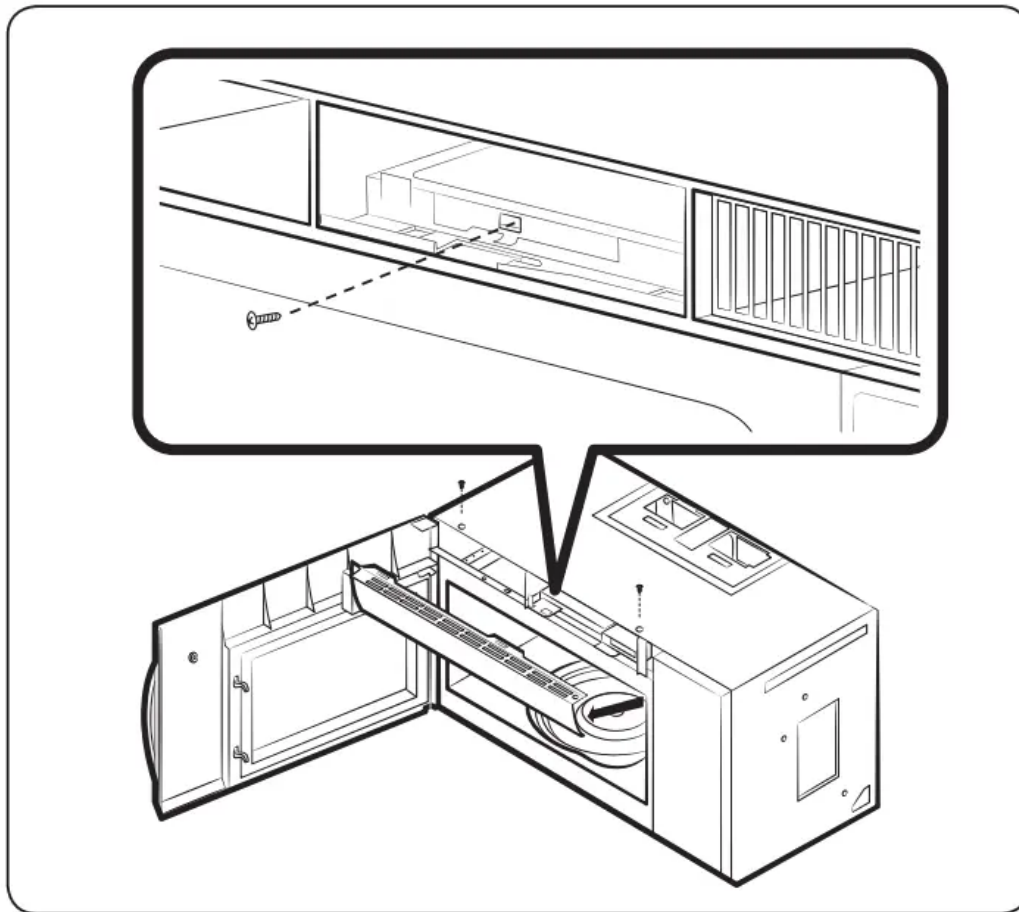
When replacing the cooktop/night light, make sure that you are wearing gloves to avoid injury from the heat of the bulb.



1. Unplug the oven or turn off the power at the main power supply.
2. Remove the screw from the light cover and lower the cover.
3. Replace the bulb with a 40 watt incandescent bulb.
4. Raise the light cover and re-insert the mounting screw.
5. Plug the oven in or turn on the power at the main power supply. Reset the clock.

Replacing the oven light

When replacing the oven light, make sure that you are wearing gloves to avoid injury from the heat of the bulb.

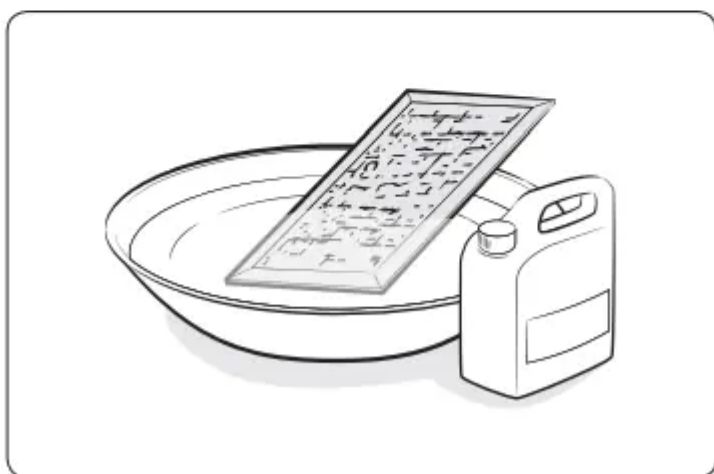
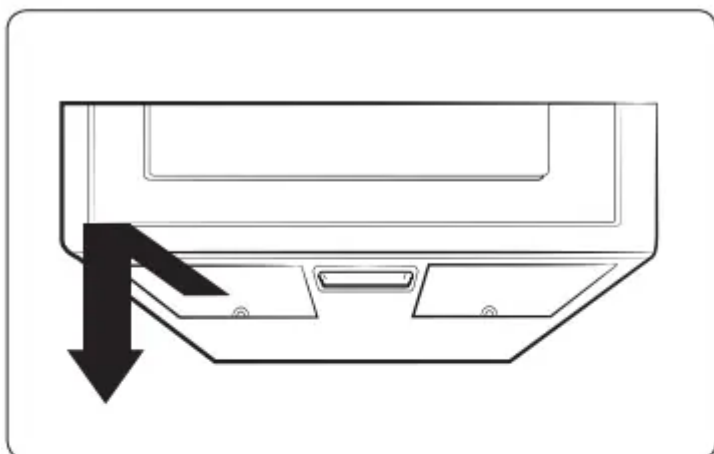


1. Unplug the oven or turn off the power at the main power supply.
2. Open the door.
3. Remove the vent cover mounting screws (2 middle screws).
4. Slide the vent grille to the left, then pull it straight out.
5. Remove the charcoal filter, if present.
6. Remove the screw securing the lamp cover.
7. Remove the bulb by pulling it out gently.
8. Replace the bulb with a 20 watt halogen bulb.
9. Replace the bulb holder.
10. Replace the vent grille and re-insert the 2 screws.
11. Plug the oven in or turn on the power at the main power supply. Reset the clock.

Cleaning the grease filter

Your microwave oven has two metal reusable grease filters. The grease filters should be removed and cleaned at least once every four months or as required.

NOTE: Your microwave oven has a filter reminder function. See page 19 for details.

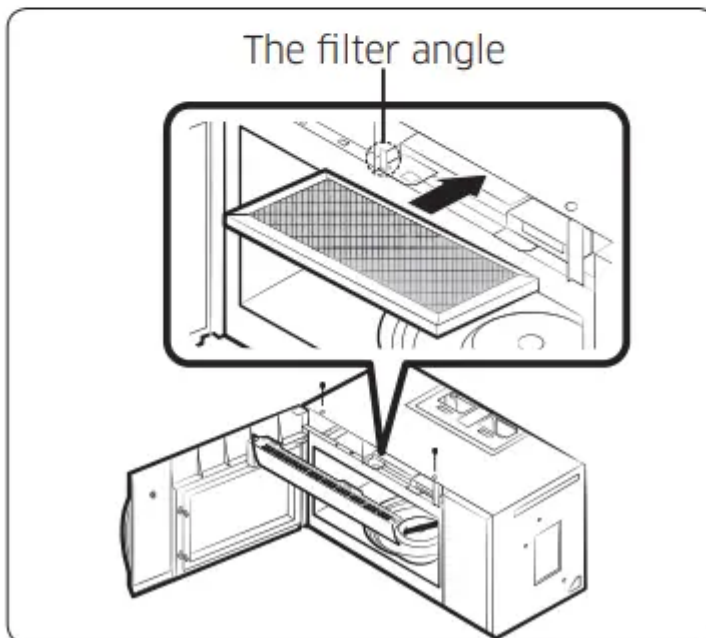
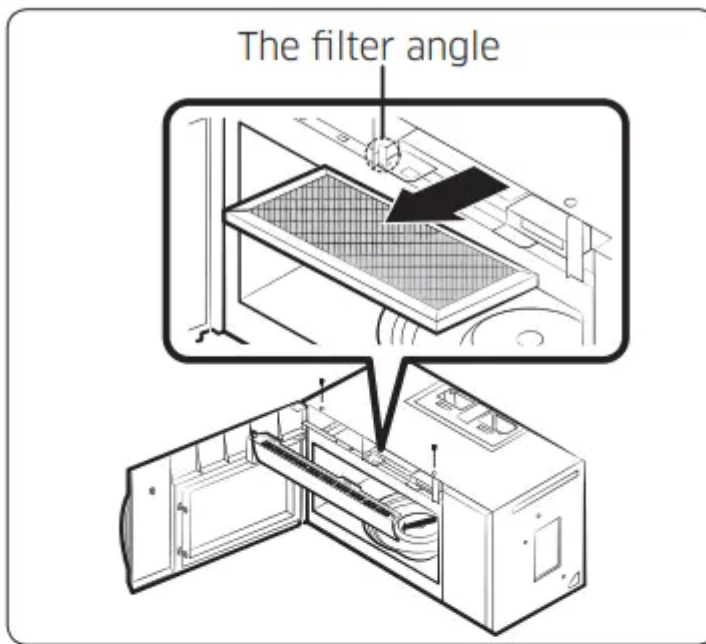


WARNING: To avoid risk of personal injury or property damage, do not operate the oven hood without the filters in place.

1. To remove the filter, slide it to the left (or right) using the tab.
2. Soak the grease filter in hot water and a mild detergent. Rinse well and shake to dry. Brushing the filter lightly can remove embedded dirt. **WARNING:** Do not use ammonia or put the grease filter in the microwave oven. The aluminum will darken.
3. To re-install the filter, slide it into the frame slot on the left (or right), and then push it upwards and to the right (or left) to lock it.

Replacing the charcoal filter

If your oven is vented to the inside, the charcoal filter should be replaced every 6 to 12 months and more often if necessary. The charcoal filter cannot be cleaned. To order a new charcoal filter, contact the Parts Department at 1-800-627-4368 or your Samsung dealer. You can also order online at www.samsungparts.com



1. Unplug the oven or turn off the power at the main power supply.
2. Open the door.
3. Remove the vent grille mounting screws (2 middle screws).
4. Slide the vent grille to the left, then pull it straight out.
5. Push the hook and remove the old filter.
6. Slide a new charcoal filter into place. The filter should rest at the angle shown.
7. Replace the vent grille and 2 screws and close the door. Plug the oven in or turn on the power at the main power supply. Reset the clock.

Troubleshooting

Check points

If you encounter a problem with your oven, first check the table below and try the recommendations. If a problem persists, or if an information code keeps appearing on the display, contact a local Samsung service center.



Problem	Cause	Action
General		
The buttons cannot be pressed properly.	Foreign matter may be caught between the buttons.	Remove the foreign matter and try again.
	For touch models: Moisture is on the exterior.	Wipe the moisture from the exterior.
	Child lock is activated.	Deactivate Child lock.
The time is not displayed.	Power is not supplied.	Make sure power is supplied. Confirm the microwave is plugged in. Check your fuses or circuit breakers.
	The Eco (power-saving) function is set.	Turn off the Eco function.
The oven does not work.	Power is not supplied.	Make sure power is supplied. Confirm the microwave is plugged in. Check your fuses or circuit breakers.
	The door is open.	Close the door and try again.
	The door open safety mechanisms are covered by foreign matter.	Remove the foreign matter and try again.
The oven stops while in operation.	The user has opened the door to turn food over.	After turning over the food, press the START button again to start operation.
The power turns off during operation.	The oven has been cooking for an extended period of time.	After the oven has cooked for an extended period of time, let the oven cool.
	The cooling fan is not working.	Listen for the sound of the cooling fan.

	Trying to operate the oven without food inside.	Put food in the oven.
	There is not enough ventilation space around the oven.	There are intake/exhaust outlets on the front and rear of the oven for ventilation. Check the installation guide and make sure that the microwave is far enough away from walls and cabinets for proper ventilation.
	Several appliances or devices are plugged into the same outlet.	Unplug all other appliances or devices from the outlet.
There is no power to the oven.	Power is not supplied.	Make sure power is supplied. Confirm the microwave is plugged in. Check your fuses or circuit breakers.
There is a popping sound during operation, and the oven doesn't work.	Cooking food in a sealed container or using a container with a tight lid may cause popping sounds.	Do not cook food in sealed containers or in containers with tight lids. Expanding steam from the cooking food can cause the containers to burst or the lids to pop off.
The oven exterior gets too hot during operation.	There is not enough ventilation space around the oven.	There are intake/exhaust outlets on the front and rear of the oven for ventilation. Check the installation guide and make sure that the microwave is far enough away from walls and cabinets for proper ventilation.
	Objects are on top of the oven.	Remove all objects on the top of the oven.
The door cannot be opened properly.	Food residue is stuck between the door and oven interior.	Clean the oven and then open the door.

<p>The oven does not heat.</p>	<p>The oven may not work if too much food is being cooked or improper cookware is being used.</p>	<p>To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1-2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.</p>
<p>Heating is weak or slow.</p>	<p>The oven may not work if too much food is being cooked or improper cookware is being used.</p>	<p>To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1-2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.</p>
<p>The warm function does not work.</p>	<p>The oven may not work if too much food is being warmed or improper cookware is being used.</p>	<p>To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1-2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.</p>
<p>The thaw function does not work.</p>	<p>The oven may not work if too much food is being thawed or improper cookware is being used.</p>	<p>To test the oven, put one cup of water in a microwave-safe container, put the container in the oven, and then run the microwave for 1-2 minutes to check whether the water is heated. If the water is heated, reduce the amount of food and start the function again. Use a cooking container with a flat bottom.</p>

The interior light is dim or does not turn on.	The door has been left open for a long time.	The interior light may automatically turn off when the Eco function operates. Close and reopen the door or press the STOP/CANCEL button.
	The interior light is covered by foreign matter.	Clean the inside of the oven and check again.
A beeping sound occurs during cooking.	If the Auto Cook function is being used, this beeping sound means it's time to turn over the food.	After turning over the food, press the START button again to restart operation.
The oven is not level.	The oven is installed on an uneven surface.	Make sure the oven is installed on flat, stable surface.
There are sparks during cooking.	Metal containers are used during cooking or thawing.	Do not use metal containers.
When power is connected, the oven immediately starts to work.	The door is not properly closed.	Close the door and check again.
There is electricity coming from the oven.	The power source or power outlet is not properly grounded.	Make sure the power source and power outlet are properly grounded.
There is water dripping.	Water or steam may be generated by the cooking or defrosting process, depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.
There is steam through a crack in the door.	Water or steam may be generated by the cooking or defrosting process, depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.

There is water left in the oven.	Water or steam may be generated by the cooking or defrosting process, depending on the food. This is not an oven malfunction.	Let the oven cool and then wipe with a dry dish towel.
The brightness inside the oven varies.	Brightness changes depending on power output changes according to function.	Power output changes during cooking are not malfunctions. This is not an oven malfunction.
Cooking is finished, but the cooling fan is still running.	To ventilate the oven, the cooling fan continues to run for about 3 minutes after cooking is complete.	This is not an oven malfunction.
Pressing the START button operates the oven.	This happens when the oven was not operating.	The microwave oven is designed to start operating when you press the START button if it was not operating.
Turntable		
While turning, the turntable comes out of place or stops turning.	There is no roller ring, or the roller ring is not properly in place.	Install the roller ring and then try again.
The turn table drags while turning.	The roller ring is not properly in place, there is too much food, or the container is too large and touches the inside of the microwave.	Adjust the amount of food. Do not use containers that are too large.
The turn table rattles while turning and is noisy.	Food residue is stuck to the bottom of the oven.	Remove any food residue stuck to the bottom of the oven.
Grill		
Smoke comes out during operation.	During initial operation, smoke may come from the heating elements when you first use the oven.	This is not a malfunction. After you run the oven 2-3 times, it should stop.
	Food is on the heating elements.	Let the oven cool and then remove the food from the heating elements.

	Food is too close to the grill.	Put the food a suitable distance away while cooking.
	Food is not properly prepared and/or arranged.	Make sure food is properly prepared and arranged.
Oven		
The oven does not heat.	The door is open.	Close the door and try again.
Smoke comes out during preheating.	During initial operation, smoke may come from the heating elements when you first use the oven.	This is not a malfunction. After you run the oven 2-3 times, it should stop.
	Food is on the heating elements.	Let the oven cool and then remove the food from the heating elements.
There is a burning smell or a burnt plastic smell when using the oven.	Plastic or non-heat resistant cookware is used.	Use glass cookware suitable for high temperatures.
There is a bad smell coming from inside the oven.	Food residue or plastic has melted and stuck to the interior.	Use the steam function and then wipe the interior of the microwave with a dry cloth. You can put a measuring cup containing a cup of water and a lemon slice inside and run the oven to remove the odor more quickly.
The oven does not cook properly.	The oven door is frequently opened during cooking.	Do not open the door frequently unless you are cooking things that need to be turned. If you open the door often, the interior temperature will be lowered and this may affect the results of your cooking.
	The oven controls are not correctly set.	Set the oven controls correctly and try again.

Information codes

If the oven fails to operate, you may see an information code on the display. Check the table below for the code, and then follow the directions.

Code	Description	Action
C-20	The temperature sensor read the temperature incorrectly.	Press the STOP/CANCEL button and operate again. If it appears again, turn off the microwave oven, let it sit for more than 30 seconds, and then try setting again. If this code re-appears, call your local SAMSUNG Customer Care Center.
C-21	Temperature sensor detects a higher temperature than the setting temperature.	Turn off the microwave oven and let it cool, then try the setting again. If this code re-appears, call your local SAMSUNG Customer Care Center.
C-F0	The microwave has sensed an internal communications failure.	Unplug the power cord of the oven, and contact a local SAMSUNG Customer Care Center.
C-A1	The oven has failed to sense the opening or closing of the damper for 1 minute.	
C-D0	Control buttons are pressed over 10 seconds.	Clean the keys and check if there is water on the surface around key. If it appears again, turn off the microwave oven, let it sit for more than 30 seconds, and then try setting again. If this code re-appears, call your local SAMSUNG Customer Care Center.

Specifications

Model	MC17J8000CS
Oven Cavity	1.7 cu ft
Controls	10 power levels, including Defrost
Timer	99 minutes, 99 seconds
Power Source	120 VAC, 60 Hz
Power Consumption	1700 Watt Microwave / 1750 Watt Heater
Microwave Power Output	950 Watts
Cook Top Light	40 Watt incandescent lamp (2 EA)
Oven Light	20 Watt halogen lamp
Oven Cavity Dimensions (inches)	20 9/64"(W) x 10 9/32"(H) x 14"(D)
Outside Dimensions (inches)	29 7/8" (W) x 16 15/16" (H) x 18 9/16"(D)
Shipping Dimensions (inches)	33 11/32"(W) x 20 25/32" (H) x 19 3/8"(D)
Net/Shipping Weight	74.4 lbs / 86 lbs (33.75 kg / 39 kg)

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.