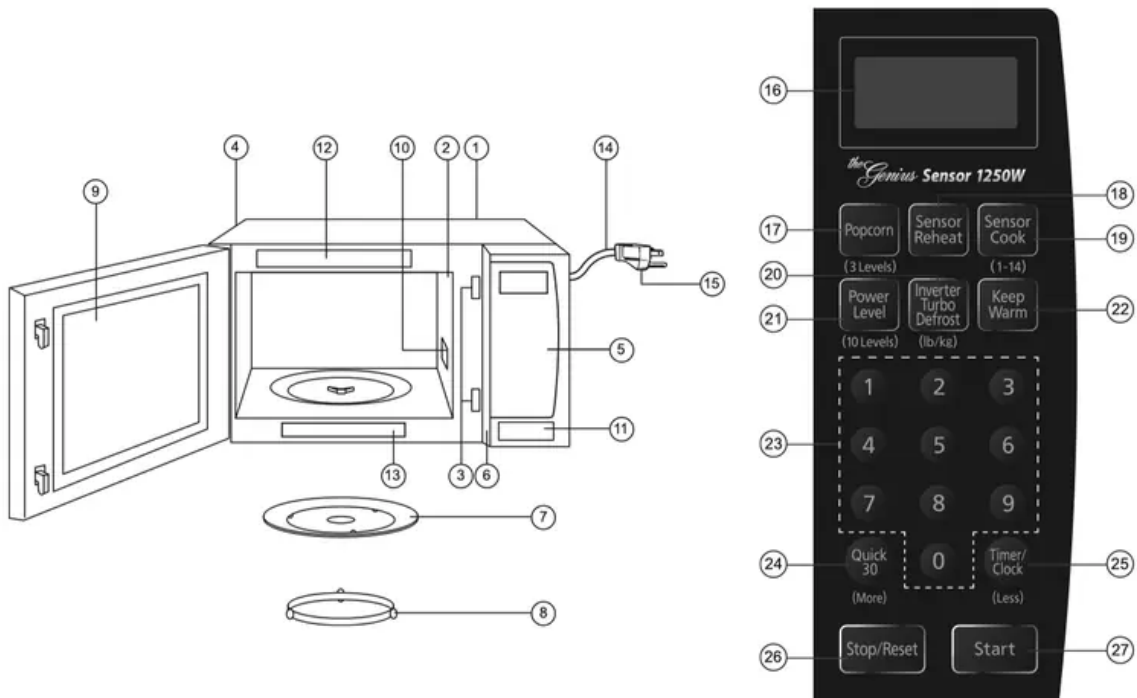


Location of Controls



*** The control panels of NN-SN966S/NN-SN766S have same key layout.**

- 1 External Air Vent
- 2 Internal Air Vent
- 3 Door Safety Lock System
- 4 Exhaust Air Vent
- 5 Control Panel
- 6 Identification Plate
- 7 Glass Tray
- 8 Roller Ring
- 9 Heat/Vapor Barrier Film (do not remove)
- 10 Waveguide Cover (do not remove)
- 11 Door Release Button
- 12 Warning label
- 13 Menu label
- 14 Power Supply Cord
- 15 Power Supply Plug



16 Display Window

17 Popcorn Pad (See page 11)

18 Sensor Reheat Pad (See page 13)

19 Sensor Cook Pad (See page 13)

20 Inverter Turbo Defrost Pad (See page 12)

21 Power level Pad (See page 9)

22 Keep Warm Pad (See page 11)

23 Number Pads

24 Quick 30/More Pad (See page 11)

25 Timer/Clock/Less Pad (See page 8-10)

26 Stop/Reset Pad

Before cooking: One tap clears all your instructions. During cooking: one tap temporarily stops the cooking process. Another tap cancels all your instructions, and time of day or colon appears in the display window.

27 Start Pad

After cooking program setting, one tap allows oven to begin functioning. If door is opened or Stop/Reset Pad is pressed once during oven operation, Start Pad must be pressed again to restart oven.

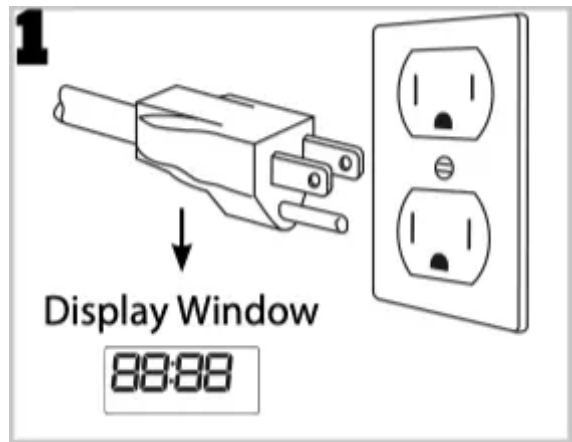
Beep Sound: When a pad is pressed correctly, a beep will be heard. If a pad is pressed and no beep is heard, the unit did not or cannot accept the instruction. When operating, the oven will beep twice between programmed stages. At the end of any complete program, the oven will beep 5 times.

NOTE: If no operation after cooking program setting, 6 minutes later, the oven will automatically cancel the cooking program. The display will return to clock or colon display.

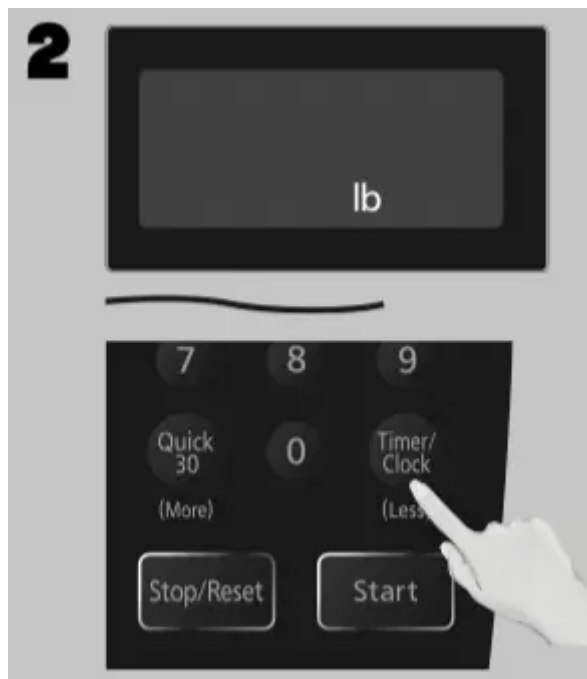
NOTE: The illustration is for reference only

Operation

Using the Microwave for the First Time



Plug into a properly grounded electrical outlet.

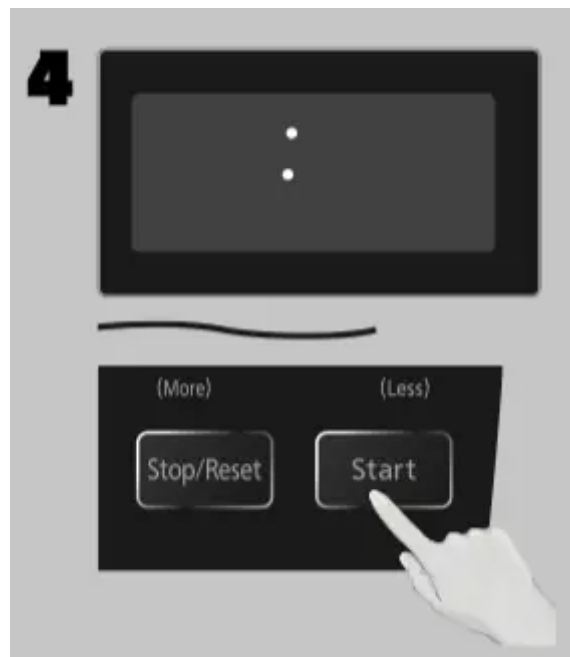


Press Start once, then Press Timer/Clock/Less to cycle between the weight system, Metric (g/kg) or Imperial (oz/lb).





Press Start once, then Press Timer/Clock/Less to cycle between the Beep on or Beep off.



Press Stop/Reset to confirm; a colon (:) will appear in the display window.

NOTES:

These choices can be selected only when you plug-in the oven.



Setting the Clock



With the oven NOT cooking, press Timer/Clock/Less twice; the colon will blink. Enter time of day using the Number pads.



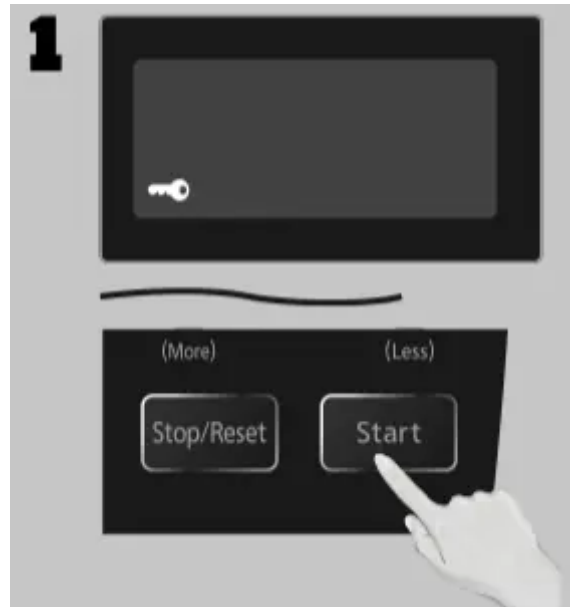
Press Timer/Clock/Less to finish setting and the colon (:) will stop blinking.


NOTES:

1. To reset the clock, repeat steps.
2. The clock will retain the time of day as long as the oven is plugged in and electricity is supplied.
3. The clock is a 12-hour display.

4. Oven will not operate while colon (:) is flashing.

Setting the Child Safety Lock



When the time of day appears in the display, press Start three times; “” will appear in the display.



Press Stop/Reset three times; the display will return to the time of the day and Child Lock will be cancelled.

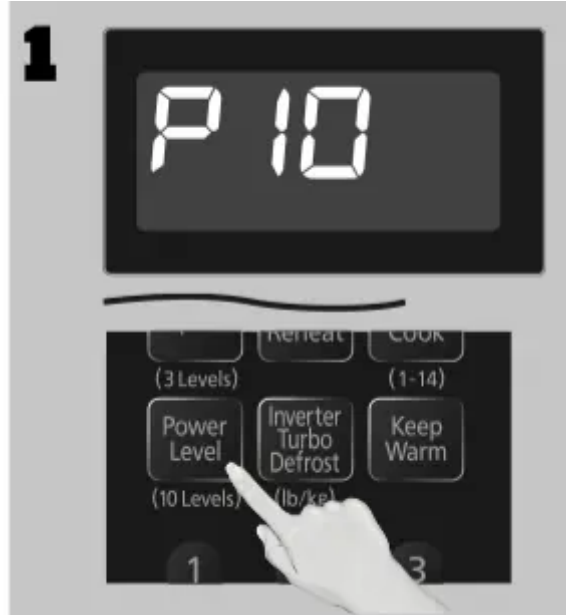
NOTES:

1. This feature prevents the electronic operation of the oven until cancelled. It does not lock the door.

2. To set or cancel child safety lock, Start or Stop/Reset pad must be pressed 3 times within 10 seconds.

3. You can set Child Lock feature when the display shows a colon or time of day.

Cooking



If cooking at high power (10), skip to step 2. Press Power Level until the desired power level appears in the display. P10 is the highest and P1 is the lowest.

Press	Power Level
once	P10 (HIGH)
twice	P9
3 times	P8
4 times	P7 (MED-HIGH)
5 times	P6 (MEDIUM)
6 times	P5
7 times	P4
8 times	P3 (MED-LOW)/ DEFROST
9 times	P2
10 times	P1 (LOW)



Set Cooking Time using the Number pads. P10 (HIGH) has max. cooking time of 30 minutes. For other power levels, the max. time is 99 minutes, 99 seconds



Press Start; the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

NOTES:

1. For reheating, use P10 (HIGH) for liquids, P7 (MED-HIGH) for most foods, and P6 (MEDIUM) for dense foods.
2. For defrosting, use P3 (MED-LOW).

DO NOT OVERCOOK: This oven requires less time to cook than older units. Overcooking will cause food to dry out and may cause a fire. A microwave oven's cooking power tells you the amount of microwave power available for cooking.

Stage Cooking:

For more than one stage of cooking, repeat steps 1 and 2 for each stage of cooking before pressing Start. The maximum number of stages for cooking is three. When operating, two beeps will sound between each stage. Five beeps will sound at the end of the entire sequence. Automatic function (such as sensor cook/reheat, popcorn and inverter turbo defrost) can not be used with 3 stage cooking.

Setting the Timer



This feature allows you to program the oven as a kitchen timer. Press Timer/Clock/Less once.





Set desired amount of time using Number pads (up to 99 minutes, 99 seconds).



Press Start. The timer will count down without cooking and beep five times when done.

Caution: If oven lamp is lit while using the timer feature with door closed, the oven is NOT set properly; STOP OVEN IMMEDIATELY and re-read instructions.

Setting a Standing Time



Some recipes call for a standing time after cooking. To do this, repeat steps 1 and 2 in the Cooking section on previous page. Then press Timer/Clock/ Less.



Set desired amount of stand time using Number pads (up to 99 minutes, 99 seconds).



Press Start. The timer will start and then beep twice at the end of cooking time (the beginning of standing time). Five beeps will sound when standing time is done.

Setting a Delayed Start



The start time can be delayed to start cooking at a later time. To do this, first press Timer/ Clock/ Less.



Enter the desired delay time (up to 99 minutes, 99 seconds) using the Number pads.



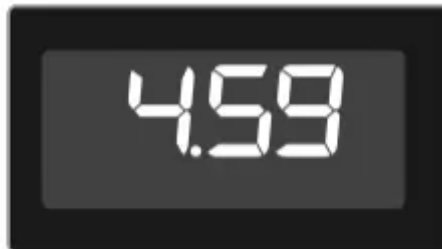
Press Power Level until the desired power level appears in the display. P10 is the highest and P1 is the lowest.

4



Set Cooking Time using the Number pads (see previous page for maximum times).

5



Press Start; the delay time will count down, then cooking will begin. At the end of cooking, five beeps will sound.

NOTES:

1. When each stage finishes, the oven will beep twice. At the end of the program, the oven will beep five times.
2. If the oven door is opened during Stand Time, Kitchen Timer or Delay Time, the time on the display will continue to count down.
3. Stand Time and Delay start cannot be programmed before any automatic function (such as sensor cook/reheat, popcorn and inverter turbo defrost). This is to prevent the starting temperature of food from rising.
4. When using Standing time or Delay Start, it's up to 2 power stages.

Quick 30

(Set or add 30 seconds cooking time in increments)



Press Quick 30/More until the desired cooking time (up to 5 minutes) appears in the display. Power Level is pre-set at P10.





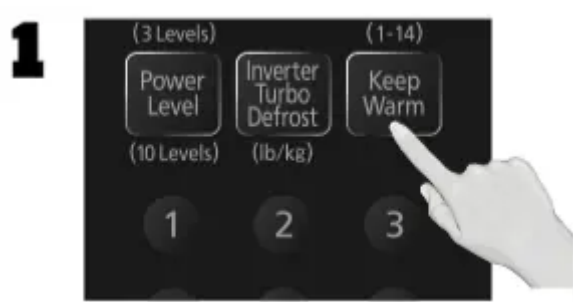
Press Start; the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

NOTES:

1. If desired, you can use other power levels. Select desired power level before pressing Quick 30/More.
2. After setting the time by Quick 30/More pad, you cannot use the Number Pads.
3. Quick 30/More pad can also be used to add more time during manual cooking.

Keep Warm

(Will keep food warm for up to 30 minutes after cooking)



Press Keep Warm.





Set warming time using Number pads, up to 30 minutes. This example shows two minutes.



Press Start; the cooking will start and the time will count down in the display. At the end of cooking, five beeps will sound.

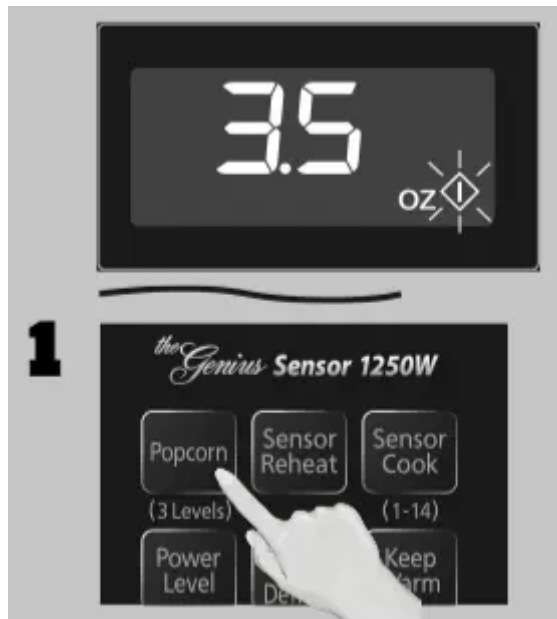
NOTES:

Keep Warm can be set as the final stage after cook time has been manually entered. It cannot be used with sensor or auto features.

Popcorn

(Example: To pop 3.5 oz (991g). of popcorn)





Press Popcorn until the desired size appears in the display. Once for 3.5 oz (99 g), twice for 3.0 oz (85 g), or three times for 1.75 oz (50 g).



If desired, press Quick 30/More once to add 10 seconds or twice to add 20 seconds. Press Timer/Clock/Less once to subtract 10 seconds or twice to subtract 20 seconds.



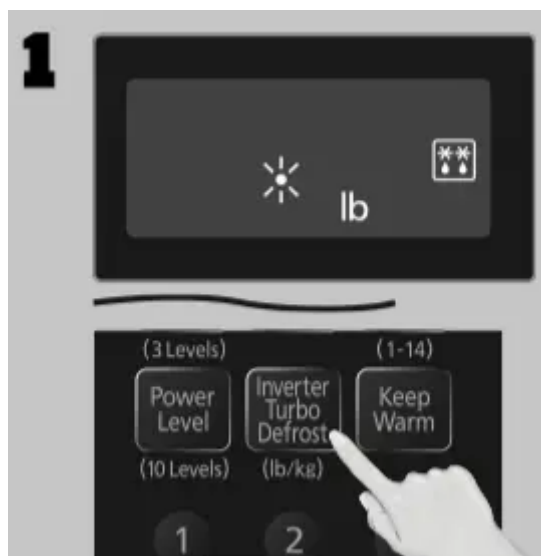


Press Start; After several seconds, cooking time appears in the display window and begins to count down.

NOTES:

1. Pop one bag at a time.
2. Place bag in oven according to manufacturers' directions.
3. Start with popcorn at room temperature.
4. Allow popped corn to sit unopened for a few minutes.
5. Open bag carefully to prevent burns, because steam will escape.
6. Do not reheat unpopped kernels or reuse bag.
7. If popcorn is of a different weight than listed, follow instructions on popcorn package.
8. Never leave the oven unattended.
9. If popping slows to 2 to 3 seconds between pops, stop oven. Overcooking can burn popcorn or cause fire.
10. When popping multiple bags one right after the other, the cooking time may vary slightly. This does not affect the popcorn results.

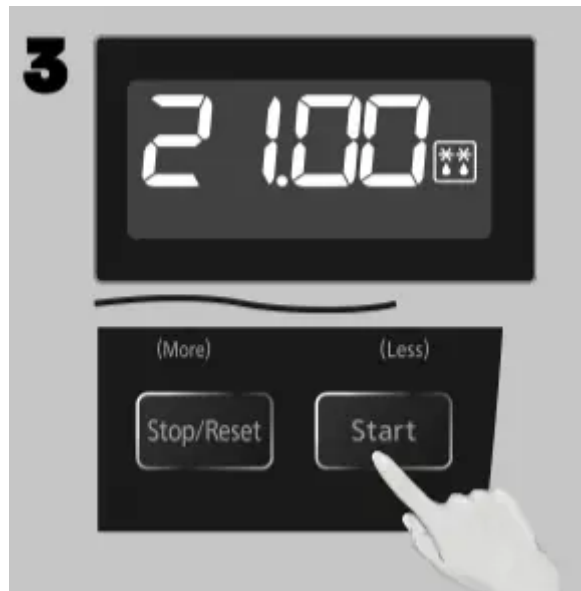
Inverter Turbo Defrost



This feature allows you to defrost foods such as meat, poultry and seafood, simply by entering the weight. Press Inverter Turbo Defrost.



Enter weight of the food the Number pads.



Press Start. Defrosting will start. Larger weight foods will cause a signal midway through defrosting. If two beeps sound, turn over and/or rearrange foods.

NOTE:

The maximum weight for Inverter Turbo Defrost is 6 lbs. (3 kg).

Conversion

Follow the chart to convert ounces or hundredths of a pound into tenths of a pound. To use Inverter Turbo Defrost, enter the weight of the food in pounds (1.0) and tenths of a pound (0.1). If a piece of meat weighs 1.95 lbs or 1 lb 14 oz, enter 1.9 lbs.

Ounces	Hundredths of a Pound	Tenths of a Pound
0	.01 - .05	0.0
1 - 2	.06 - .15	0.1
3 - 4	.16 - .25	0.2
5	.26 - .35	0.3
6 - 7	.36 - .45	0.4
8	.46 - .55	0.5
9 - 10	.56 - .65	0.6
11 - 12	.66 - .75	0.7
13	.76 - .85	0.8
14 - 15	.86 - .95	0.9

Defrosting Tips & Techniques

Preparation For Freezing:



1. Freeze meats, poultry, and fish in packages with only one or two layers of food. Place wax paper between layers.
2. Package in heavy-duty plastic wraps, bags (labeled "For Freezer"), or freezer paper.
3. Remove as much air as possible.
4. Seal securely, date, and label.

To Defrost:

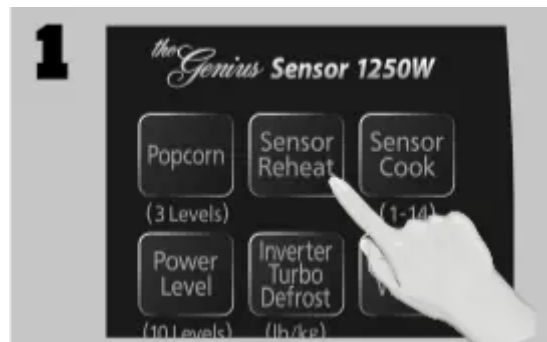
1. Remove wrapper. This helps moisture to evaporate. Juices from food can get hot and cook the food.
2. Set food in microwave safe dish.
3. Place roasts fat-side down. Place whole poultry breast-side down.
4. Select power and minimum time so that items will be underdefrosted.
5. Drain liquids during defrosting.
6. Turn over (invert) items during defrosting.

After Defrosting:

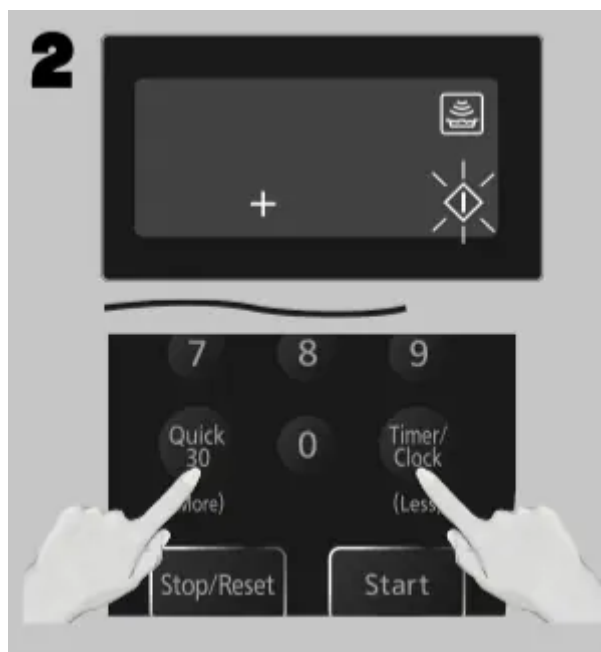
1. Large items may be icy in the center. Defrosting will complete during Standing Time.
2. Let stand, covered, following stand time directions on page 10.
3. Rinse foods indicated in the chart.
4. Items which have been layered should be rinsed separately or have a longer stand time.

FOOD	DEFROST TIME at P3 mins (per lb)	DURING DEFROSTING	AFTER DEFROSTING	
			Stand Time	Rinse
Fish and Seafood Crabmeat [up to 3 lbs. (1.4 kg)]	6	Break apart/Rearrange	5 min.	YES
Fish Steaks	4 to 6	Turn over		
Fish Fillets	4 to 6	Turn over/Rearrange		
Sea Scallops	4 to 6	Break apart/ Remove defrosted pieces		
Whole fish	4 to 6	Turn over		
Meat Ground Meat	4 to 5	Turn over/ Remove defrosted portion	10 min.	NO
Roasts [2½-4 lbs. (1.1-1.8 kg)]	4 to 8	Turn over	30 min. in fridge.	
Chops/Steak	6 to 8	Turn over/Rearrange	5 min.	
Ribs/T-bone	6 to 8	Turn over/Rearrange		
Stew Meat	4 to 8	Break apart/ Remove defrosted pieces		
Liver (thinly sliced)	4 to 6	Drain liquid/Turn over/ Separate pieces	---	
Bacon (sliced)	4	Turn over	---	
Poultry Chicken, Whole [up to 3 lbs. (1.4 kg)]	4 to 6	Turn over	20 min. in fridge	YES
Cutlets	4 to 6	Break apart/Turn over/ Remove defrosted Pieces	5 min.	
Pieces	4 to 6	Break apart/Turn over	10 min.	
Cornish hens	6 to 8	Turn over	10 min.	
Turkey Breast [5-6 lbs. (2.3-2.7 kg)]	6	Turn over	20 min. in fridge	

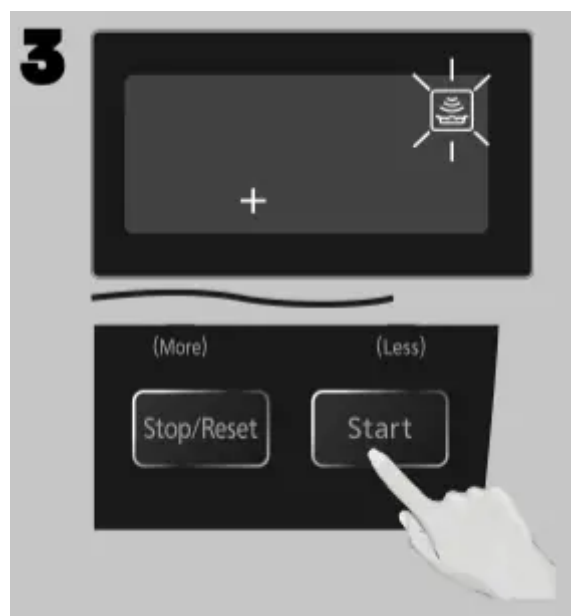
Sensor Reheat



Press Sensor Reheat.



If desired, press Quick 30/More to add 20% more time than suggested. Press Timer/Clock/ Less to subtract 20% cooking time.



Press Start. Reheating is complete when five beeps sound.

NOTES:

1. After having used the Sensor Reheat feature a few times, you may decide you would prefer your food cooked to a different doneness – that is why you would utilize the More/ Less pads.
2. When steam is detected by the Genius Sensor and two beeps sound, the remaining cooking time will appear in the display.

Casseroles: Add three to four tablespoons of liquid, cover with lid or vented plastic wrap. Stir when time appears in the display window.



Canned foods: Empty contents into casserole dish or serving bowl, cover dish with lid or vented plastic wrap. After reheating, let stand for a few minutes.

Plate of food: Arrange food on plate; top with butter, gravy, etc. Cover with lid or vented plastic wrap. After reheating, let stand for a few minutes.

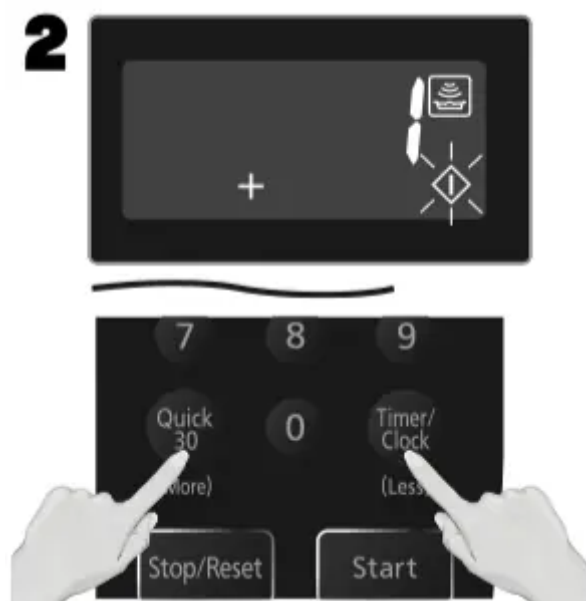
DO NOT USE SENSOR REHEAT:

1. To reheat bread and pastry products. Use manual power and time for these foods.
2. For raw or uncooked foods.
3. If oven cavity is warm.
4. For beverages.
5. For frozen foods.

Sensor Cook

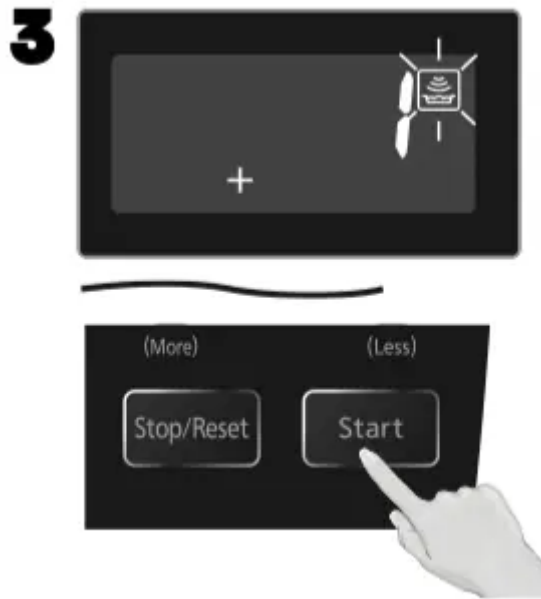


Press Sensor Cook until the number corresponding to the desired food appears in the display (see chart on the next page).



If desired, press Quick 30/More to add 20% more time than suggested. Press Timer/Clock/ Less to subtract 20% cooking time.





Press Start. Cooking is complete when five beeps sound.

NOTES:

1. After having used the Sensor Cook feature a few times, you may decide you would prefer your food cooked to a different doneness – that is why you would utilize the More/Less pads.
2. When steam is detected by the Genius Sensor and two beeps sound, the remaining cooking time will appear in the display.
3. Automatic features are provided for your convenience. If results are not suitable to your individual preference, or if serving size is other than what is listed on page 14, please refer to manual cooking on page 9.

For the best results with the GENIUS SENSOR, follow these recommendations:

BEFORE Reheating/Cooking:

1. The room temperature surrounding the oven should be below 95° F (35° C).
2. Food weight should exceed 4 oz. (110 g).
3. Be sure the glass tray, the outside of the cooking containers and the inside of the microwave oven are dry before placing food in the oven. Residual beads of moisture turning into steam can mislead the sensor.
4. Cover food with lid, or with vented plastic wrap. Never use tightly sealed plastic containers—they can prevent steam from escaping and cause food to overcook.

DURING Reheating/Cooking:

DO NOT open the oven door until two beeps sound and cooking time appears in the display. Doing so will cause inaccurate cooking since the steam from food is no longer contained within the oven cavity.



Once the cooking time begins to count down, the oven door may be opened to stir, turn or rearrange foods.

AFTER Reheating/Cooking:

All foods should have a standing time.

Sensor Cook Chart

See the chart below for Sensor Cook categories.



Recipe	Serving/ Weight	Hints
1. Oatmeal	½ - 1 cup (40 - 80 g)	Place oatmeal in a microwave safe serving bowl with no cover. Follow manufacturers' directions for preparation.
2. Breakfast Sausage	2 - 8 links	Follow manufacturers' directions for preparation of pre-cooked breakfast sausage. Place in a radial pattern.
3. Omelet	2 - 4 eggs	Follow basic Omelet recipe on this page.
4. Quinoa	¼ - 1 cups (45 - 180 g)	Place quinoa in a microwave safe 3 qt casserole dish. Add 2 parts water to 1 part quinoa. Cover with lid or vented plastic wrap. After 2 beeps, stir. Let stand 14 minutes before serving.
5. Soup	1 - 2 cups (250 - 500 ml)	Pour soup into a microwave safe serving bowl. Cover with lid or vented plastic wrap. Stir after cooking.
6. Frozen Entrées	8 - 28 oz. (220 - 800 g)	Follow manufacturers' directions for preparation. After 2 beeps, stir or rearrange. Be careful when removing the film cover after cooking. Remove facing away from you to avoid steam burns. If additional time is needed, continue to cook manually.
7. Frozen Pizza (single)	8 oz. (220 g)	Follow manufacturers' directions for preparation. Add more time of cooking if needed.
8. Potatoes	1 - 4 potatoes (6 - 8 oz. each) (170 - 220 g)	Pierce each potato with a fork 6 times spacing around surface. Place potato or potatoes around the edge of paper-towel-lined glass tray (Turntable), at least 1 inch (2.5 cm) apart. Do not cover. Turn over after 2 beeps. Let stand 5 minutes to complete cooking.
9. Fresh Vegetables	4 - 16 oz. (110 - 450 g)	All pieces should be the same size. Wash thoroughly, add 1 tbspc. of water per ½ cup of vegetables, and cover with lid or vented plastic wrap. Do not salt/butter until after cooking.

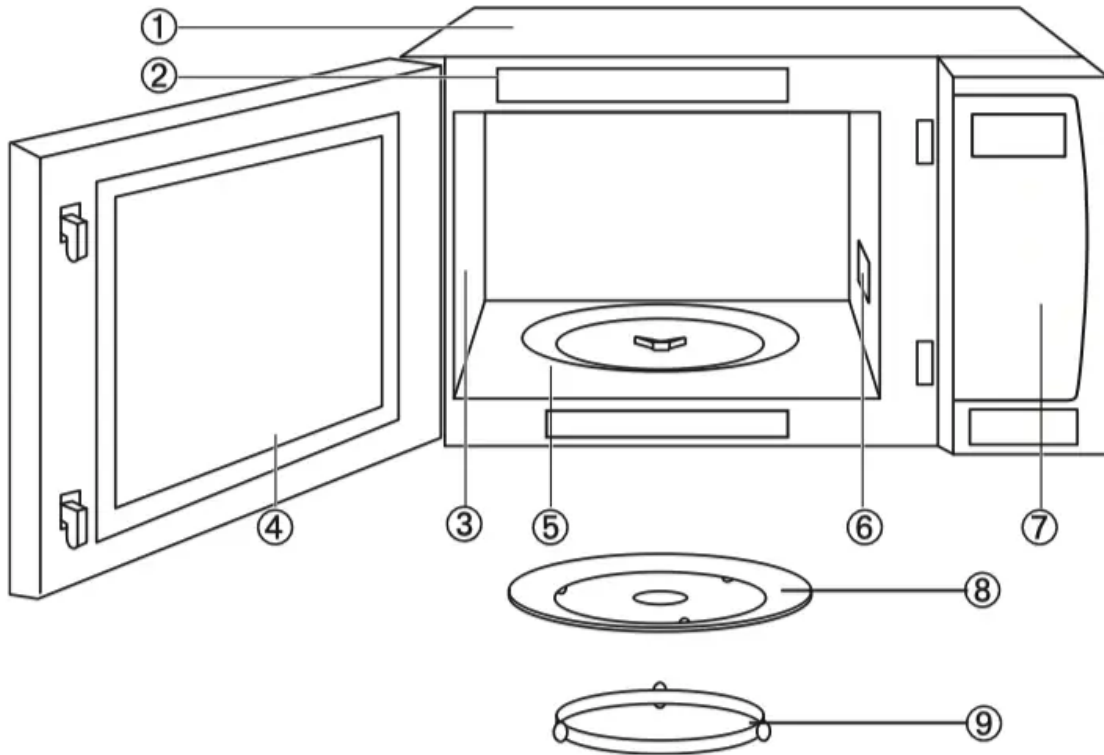
10. Frozen Vegetables	6 - 16 oz. (170 - 450 g)	Wash thoroughly, add 1 tbsp. of water per ½ cup of vegetables, and cover with lid or vented plastic wrap. Do not salt/butter until after cooking. (Not suitable for vegetables in butter or sauce.)
11. Rice	½ - 1½ cups (110 - 335 g)	Place rice with hot tap water in a microwave safe casserole dish. Cover with lid or vented plastic wrap. Let stand 5 to 10 minutes before serving.
12. Frozen Dinners	11 - 16 oz. (300 - 450 g)	Follow manufacturers' directions for covering or removing covers. Do not use frozen foods packaged in foil trays. After 2 beeps, stir or rearrange.
13. Pasta	2 - 8 oz. (55 - 220 g)	Place 2 oz. pasta with 3 cups hot tap water in a microwave safe 2 qt casserole, salt and oil, if desired, covered with lid or vented plastic wrap. For 4 oz. pasta use 4 cups water, for 6 oz. pasta use 6 cups water in 3 qt casserole, for 8 oz. pasta use 7 cups water.
14. Fish Fillets	4 - 16 oz. (110 - 450 g)	Arrange in a single layer. Cover with lid or vented plastic wrap.

Care and Cleaning of Your Microwave Oven

Please see below and the following page for particular cleaning instructions for each section of the oven.

BEFORE CLEANING: Unplug oven at wall outlet. If outlet is inaccessible, leave oven door open while cleaning.

AFTER CLEANING: Be sure to place the Roller Ring and the Glass Tray in the proper position and press Stop/Reset Pad to clear the Display.



1. Outside oven surfaces: Clean with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into ventilation openings.

2. Label: Do not remove. Wipe with a damp cloth.

3. Inside the Oven: Wipe with a damp cloth after using. Mild detergent may be used if needed. Do not use harsh detergents or abrasives.

4. Oven Door: Wipe with a soft dry cloth when steam accumulates inside or around the outside of the oven door. During cooking, especially under high humidity conditions, steam is given off from the food. (Some steam will condense on cooler surfaces, such as the oven door. This is normal.) Inside surface is covered with a heat and vapor barrier film. Do not remove.

5. Oven Cavity Floor: Clean the bottom surface of the oven with mild detergent, water or window cleaner, and dry.

6. Wave Guide Cover: Do not remove Wave Guide Cover. It is important to keep cover clean in the same manner as the inside of the oven.

7. Control Panel: The Control Panel is covered with a removable protective film to prevent scratches during shipping. Small bubbles may appear under this film, so if this is the case, remove by applying masking or clear tape to an exposed corner and pull gently. If the Control Panel becomes wet, clean it with a soft dry cloth. Do not use harsh detergents or abrasives.

8. Glass Tray: Remove and wash in warm soapy water or in a dishwasher.

9. Roller Ring: Roller Ring may be washed in mild soapy water or dishwasher. These areas should be kept clean to avoid excessive noise.

IT IS IMPORTANT TO KEEP THE OVEN CLEAN AND DRY. FOOD RESIDUE AND CONDENSATION MAY CAUSE RUSTING OR ARCING AND DAMAGE TO THE OVEN. AFTER USE, WIPE DRY ALL SURFACES, INCLUDING VENT OPENINGS, OVEN SEAMS, AND UNDER GLASS TRAY.

Before Requesting Service

See below before calling for service, as most problems can easily be remedied by following these simple solutions:

Problem	Solution
<p>The oven causes TV interference.</p>	<p>Some radio, TV, Wi-Fi, cordless telephone, baby monitor, blue tooth or other wireless equipment interference might occur when you cook with the microwave oven. This interference is similar to the interference caused by small appliances such as mixers, vacuums, blow dryers, etc. It does not indicate a problem with your oven.</p>
<p>Steam accumulates on oven door and warm air comes from the oven vents.</p>	<p>During cooking, steam and warm air are given off from the food. Most of the steam and warm air are removed from the oven by the air which circulates in the oven cavity. However, some steam will condense on cooler surfaces such as the oven door. This is normal. After use, the oven should be wiped dry (see page 16).</p>
<p>Oven will not turn on.</p>	<p>The oven is not plugged in securely or needs to be reset; remove plug from outlet, wait ten seconds and re-insert.</p> <p>Main circuit breaker or main fuse is tripped; reset main circuit breaker or replace main fuse.</p> <p>There is a problem with the outlet; plug another appliance into the outlet to check if it is working.</p>
<p>Oven will not start cooking.</p>	<p>The door is not completely closed; close the oven door securely.</p> <p>Start was not pressed after programming; press Start.</p> <p>Another program is already entered into the oven; press Stop/Reset to cancel the previous program and enter new program.</p> <p>The program is not correct; program again according to the Operating Instructions.</p> <p>Stop/Reset has been pressed accidentally; program oven again.</p>
<p>The Glass Tray wobbles.</p>	<p>The Glass Tray is not positioned properly on the Roller Ring or there is food under the Roller Ring; take out Glass Tray and Roller Ring. Wipe with a damp cloth and reset Roller Ring and Glass Tray properly.</p>
<p>When the oven is operating, there is noise coming from the Glass Tray.</p>	<p>The Roller Ring and oven bottom are dirty; clean these parts according to Care and Cleaning of Your Microwave Oven (see page 16).</p>
<p>The word "🔑" appears in the display.</p>	

	The CHILD SAFETY LOCK was activated by pressing Start three times; Deactivate CHILD SAFETY LOCK by pressing Stop/Reset three times.
The oven stops cooking and “H00“, “H97” or “H98” appears in the display.	The oven’s power supply has failed; please contact an authorized Service Center (see next page).

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.

