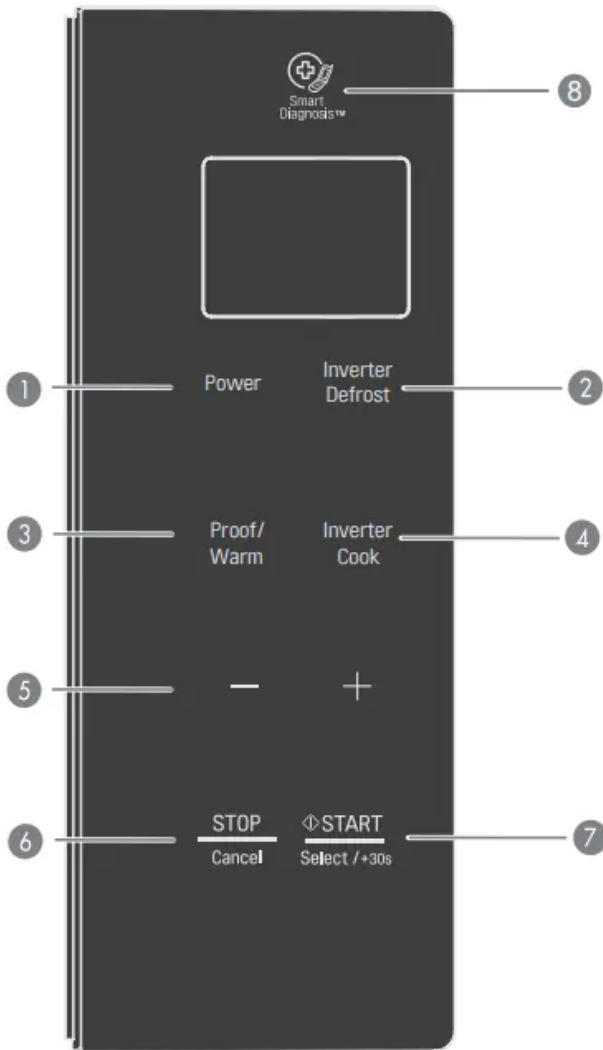









## BEFORE USE

### CONTROL PANEL



Part	
<b>1 POWER</b>	See page 12 "Timed Cooking"
<b>2 INVERTER DEFROST</b>	See page 19 "Inverter Defrost"
<b>3 PROOF / WARM</b>	See page 20 "Proof" See page 21 "Keep Warm"
<b>4 INVERTER COOK</b>	Inverter Cook allows you to cook most of your favorite food by selecting the food type and the weight of the food. See page 13 "Reheat" See page 14 "Popular Menu" See page 17 "Soften" See page 18 "Melt"
<b>5 MORE / LESS</b>	<ul style="list-style-type: none"> <li>• Choose the cooking menu.</li> <li>• Set cooking time and weight.</li> <li>• While cooking with auto and manual function, you can increase or decrease the cooking time at any point by pressing the - or + keys (except defrost mode).</li> </ul>
<b>6 STOP</b>	• Clears all functions and set entries except time of day.
<b>7 START</b>	<ul style="list-style-type: none"> <li>• Press this button to start cooking or resume cooking if the door was opened or the STOP button was pressed once.</li> <li>• The quick start feature allows you to set 30 second intervals of HIGH power cooking with each press of the START button.</li> </ul>
<b>8 SMART DIAGNOSIS</b>	Hold the mouthpiece of a phone up to this icon when directed to by service centre personnel, to help diagnose problems with the microwave oven when calling for service.

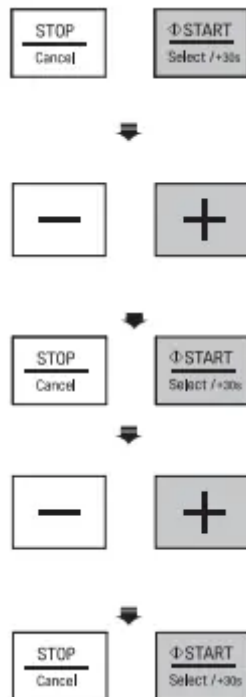
## DISPLAY ICON MEANINGS

Icon	
	Shows when the Microwave function is in operation.
	Shows when the Inverter Cook and Proof/Warm function is in operation.
	Shows when the Inverter Defrost function is in operation.
	Shows in the display when More/Less time can be set
	Shows when Cooking can be started by pressing the START button.
	Shows when the Cooking power level should be set.
	Shows when the food weight should be set.

## SETTING CLOCK

- When your oven is plugged in for the first time or when power resumes after a power interruption, the numbers in the display reset to '12H'.

Example: To set 11:11

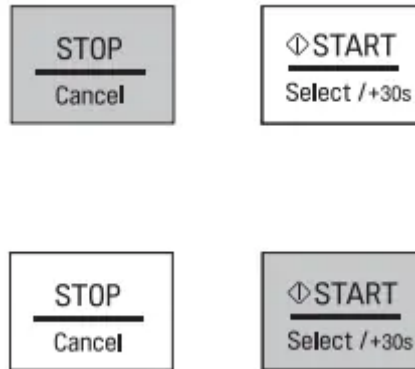


1. Press START to confirm the 12H clock display. (You can press + to select for 24Hour mode)
2. Press + eleven times until display shows '11:'.
3. Press START.

4. Press + eleven times until display shows '11:11'
5. Press 1. 2. START.

## QUICK START

- The QUICK START feature allows you to set 30 seconds intervals of HIGH power cooking with each touch of the START button.
- Example: Set 2 minutes of cooking on high power



1. Press STOP.
2. Select 2 minutes on high power

Press the START button four times

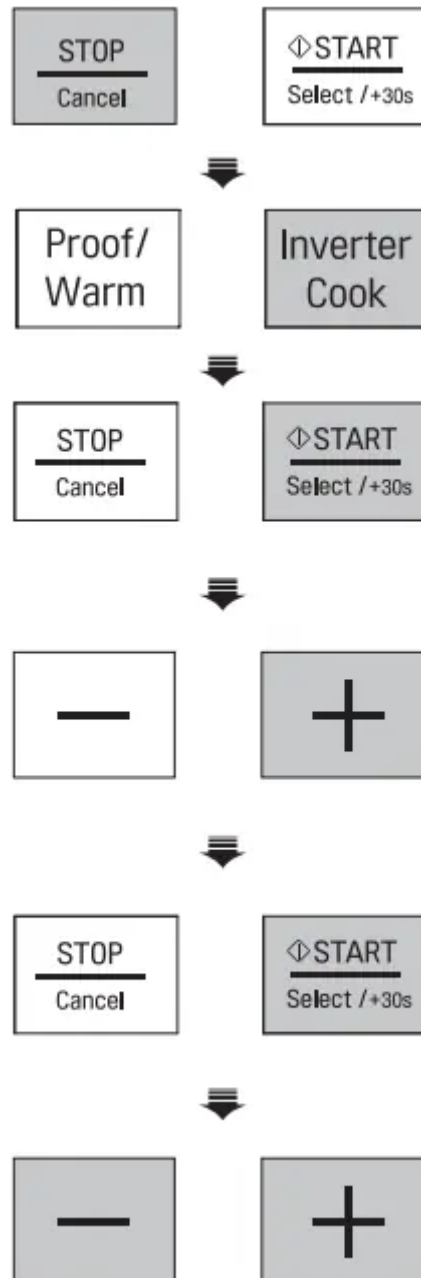
The oven will start before you have finished the fourth press.

During QUICK START cooking, you can extend the cooking time up to 99 minutes 59 seconds by repeatedly pressing the START button.

## MORE/LESS

- By using the - or + buttons, manual cook settings can be adjusted to cook food for a longer or shorter time. Pressing + will increase 10 seconds to the cooking time each time you press it. Pressing - will decrease 10 seconds of cooking time each time you press it. The max cooking time possible in the manual cook mode will be 99 minutes 59 seconds.

Example: To adjust the Inverter Cook (ex. Dinner Plate 1 Serve) cooking time for a longer time, or for a shorter time



1. Press STOP.
2. Press Inverter Cook once. '1' will show in the display.
3. Press START. '1-1' will show in the display
4. Press + twice until display shows '1-3'.
5. Press START.
6. Press + or - . Remaining time will increase or decrease by 10 seconds.

## ENERGY SAVING

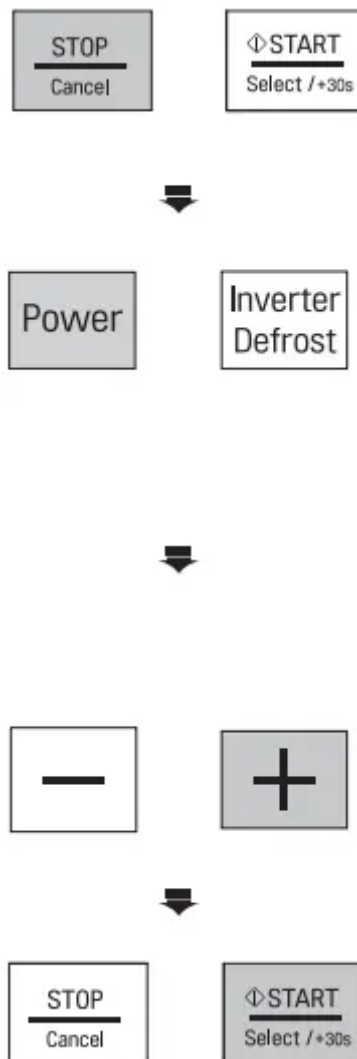
- Energy saving means to save energy by turning off the display. This feature only operates when the Microwave Oven is in standby and the display will go out

# HOW TO USE

## MANUAL COOKING (timed cooking)

- This function allows you to cook food for a desired time. There are 5 power levels available. The example below shows how to set 800 W power for the desired time.

Example: To cook food on Power 800 W for 5 minutes 30 seconds



1. Press STOP
  2. Press POWER until display shows '800 W'. (1st time 1000 W appears in the display. This is to tell you that the oven is set on HI unless a different power setting is chosen.)
  3. Enter 5 minutes 30 seconds by pressing + until display shown ' 5:30 '.
  4. Press START
- When cooking is complete, a chime will sound. The word End shows in the display window. 'End' remains in the display and the chime will sound every minute until the door is opened, or any button is pressed.

## MICROWAVE POWER LEVELS

Your microwave oven is equipped with five power levels to give you maximum flexibility and control over cooking. The adjacent table will give you some idea of which foods are prepared at each of the various power levels.

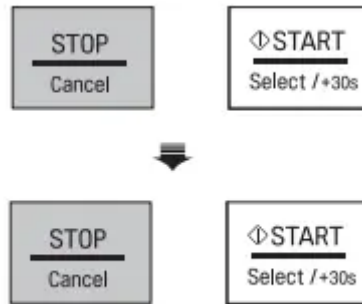
- The adjacent chart shows the power level settings for your oven.

Power Level	Use
High 1000 W	<p>Boiling water.</p> <p>Browning ground beef.</p> <p>Making candy</p> <p>Cooking poultry pieces, fish &amp; vegetables.</p> <p>Cooking tender cuts of meat.</p>
800 W	<p>Reheating rice, pasta &amp; vegetables.</p> <p>Reheating prepared foods quickly.</p> <p>Reheating sandwiches.</p>
600 W	<p>Cooking egg, milk and cheese dishes.</p> <p>Cooking cakes and breads.</p> <p>Melting chocolate.</p> <p>Cooking veal.</p> <p>Cooking whole fish.</p> <p>Cooking puddings and custard.</p> <p>Reheating Quiche MS233**** : about 8~9 minutes for 600 g.</p>
400 W	<p>Thawing meat, poultry and seafood.</p> <p>Cooking less tender cuts of meat.</p> <p>Cooking pork chops and roast.</p>
200 W	<p>Taking chill out of fruit</p> <p>Softening butter</p> <p>Keeping casseroles and main dishes warm</p> <p>Softening butter and cream cheese.</p>

## CHILD LOCK

- This is a unique safety feature that prevents unwanted oven operations. Once the CHILD LOCK is set, no cooking can take place

Example: To set the CHILD LOCK



1. Press STOP.
2. Press and hold STOP until 'Loc' appears in the display and a chime is heard.

If the time of day was already set, the time of day will appear on the display window after 1 second.

- If the CHILD LOCK was already set and you touch another key pad, the word Loc shows in the display. You can cancel the CHILD LOCK according to below procedure.

Example: To cancel the CHILD LOCK



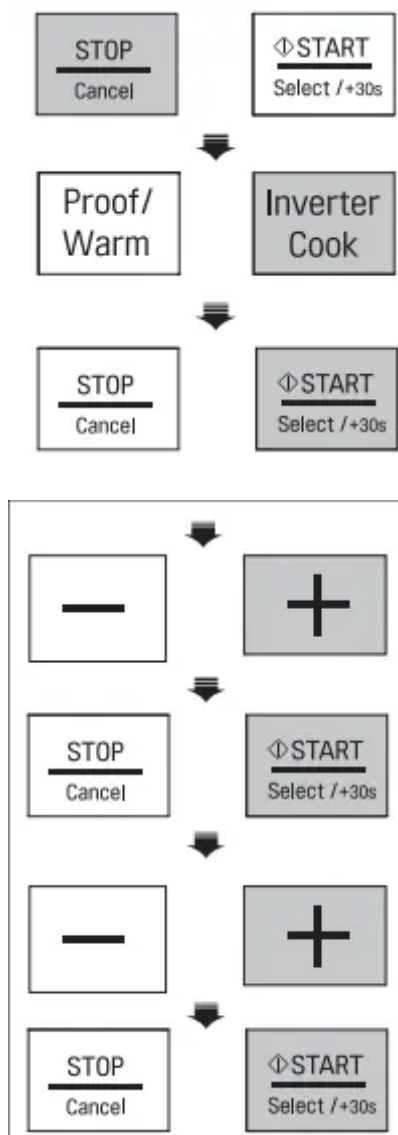
- Press and hold STOP until 'Loc' disappears in the display

After the CHILD LOCK is turned off, the oven will operate normally.

## REHEAT

- Your oven's menu has been preprogrammed to automatically reheat food. Select one of the Reheat menus and then select the weight of the food. The microwave will then reheat the contents appropriately after the START button is pressed as in step 7 below.

Example: To reheat 0.2 kg Rice, simply follow the step below

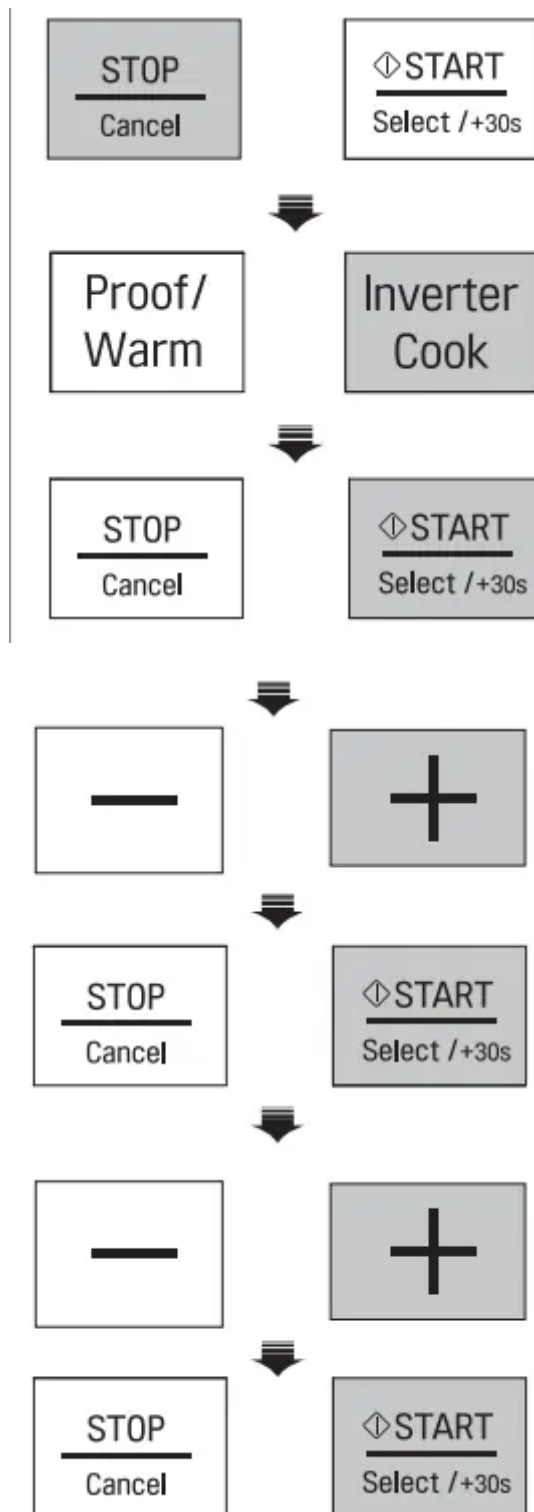


1. Press STOP.
2. Press Inverter Cook once. '1' will show in the display
3. Press START. '1-1' will show in the display
4. Press + six times until display shows '1-7'.
5. Press START. '0.1 kg' will show in the display
6. Press + once until display shows '0.2 kg'.
7. Press START.

## POPULAR MENU

- Your oven's menu has been preprogrammed to automatically cook food. Select a Popular Menu and weight, and then press START to allow the microwave to cook your selection. Then let your microwave oven cook your selections

Example: To cook 0.4 kg Fresh Vegetable, simply follow the step below



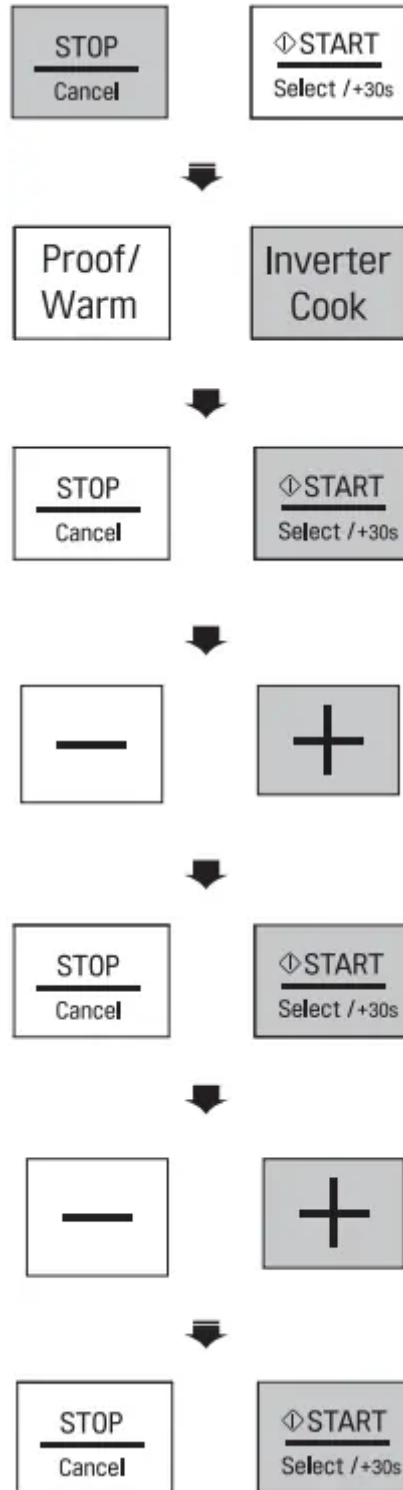
1. Press STOP.
2. Press Inverter Cook twice. '2' will show in the display.
3. Press START . '2-1' will show in the display
4. Press + twice until display shows '2-3'.
5. Press START . '0.2 kg' will show in the display
6. Press + twice until display shows '0.4 kg'.

7. Press START.

## SOFTEN

- The oven uses low power to soften foods (butter, cream cheese and ice cream) See the following table.

Example: To Soften 0.2 kg Cream Cheese.



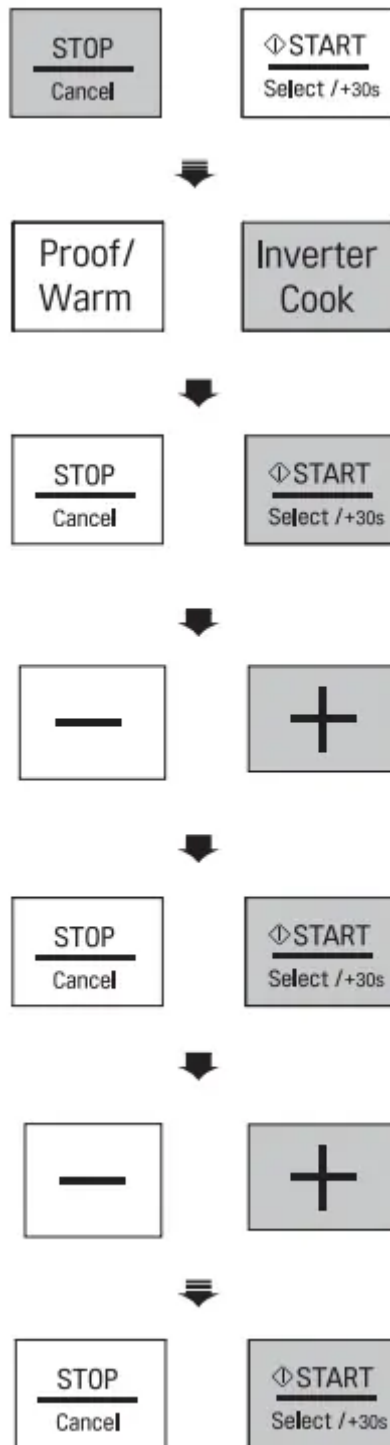
1. Press STOP.

2. Press Inverter Cook three times. '3' will show in the display.
3. Press START. '3-1' will show in the display
4. Press + once until display shows '3-2'.
5. Press START. '0.1 kg' will show in the display.
6. Press + once until display shows '0.2 kg '.
7. Press START

## **MELT**

- The oven uses low power to melt foods (butter, cheese and chocolate). See the following table.

Example: To Melt 0.3 kg Chocolate



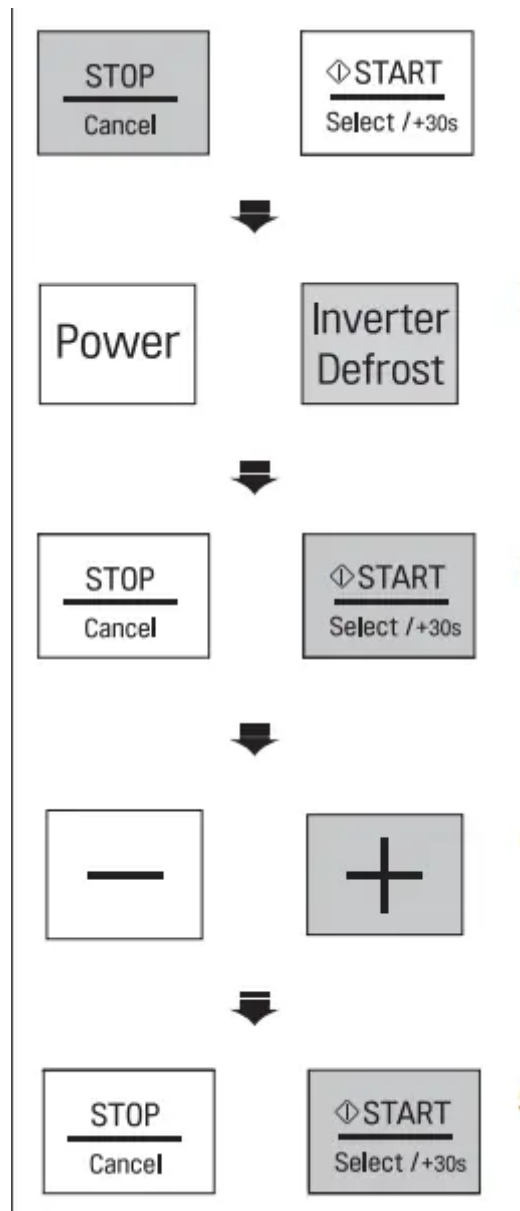
1. Press STOP.
2. Press Inverter Cook four times. '4' will show in the display.
3. Press START . '4-1' will show in the display.
4. Press + until display shows '4-3'.
5. Press START
6. Press + until display shows '0.3 kg '.
7. Press START.

## INVERTER DEFROST

- Four defrost sequences are preset in the oven. The INVERTER DEFROST feature provides you with the best defrosting method for frozen foods. The cooking guide will show you which defrost
- For added convenience, the INVERTER DEFROST includes a built-in beep alert that reminds you to check, turn over, separate, or rearrange to get the best defrost results. Four different defrosting levels are provided.

(MEAT /POULTRY / FISH / BREAD)

Example: To defrost 1.2kg of meat



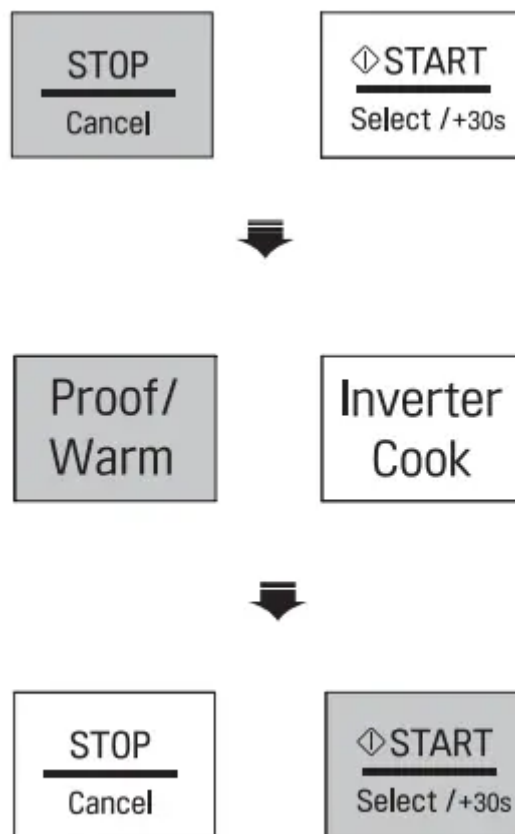
1. Press STOP
2. Press Inverter Defrost once. 'dEF1' will show in the display.
3. Press START. '0.1 kg' will show in the display.

4. Press + until display shows '1.2 kg'.
5. Press START . Defrosting starts

## PROOF (fermenting)

This feature allows you to make Yogurt by pressing the Proof/Warm button.

Example: To make 0.6 kg Yogurt.

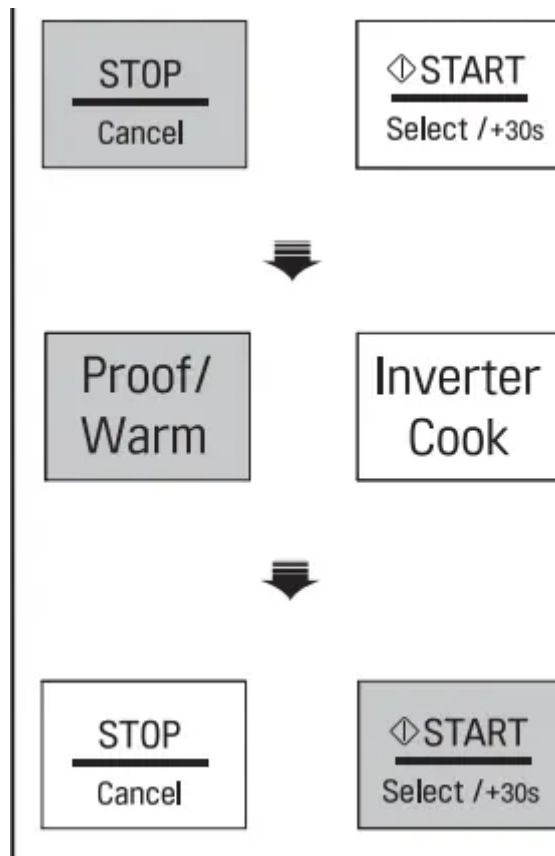


1. Press STOP
2. Press Proof/ Warm once. '1' will show in the display
3. Press START. '5h00' will show in the display

## KEEP WARM

- The Keep Warm function will keep hot food that has just been cooked at serving temperature. Use microwave-safe utensils.

Example: To keep food warm for 90minutes



1. Press STOP.
2. Press Proof/ Warm twice. ' 2' will show in the display.
3. Press START. '1h30' will show in the display.

Notes :

- Crisp foods (pastry, pies, turnovers, etc) should be uncovered during keep warm. Moist foods should be covered with plastic wrap or microwave-safe lid.
- The amount of keep warm food is suitable for 1-3 servings. It should also be noted that moist food will become dryer the longer it is Kept Warm.
- Plastic wrap should not touch the food during heating.

## TO CLEAN YOUR OVEN

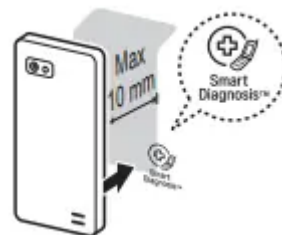
1. Keep the inside of the oven clean: Food spatters or spilled liquids stick to oven walls and between the seal and door surfaces. It is best to wipe up spillovers with a damp cloth right away. Crumbs and spillovers will absorb microwave energy and lengthen cooking times and may even damage the oven. Use a damp cloth to wipe out crumbs that fall between the door and the frame. It is important to keep this area clean to assure a tight seal. Remove greasy spatters with a soapy cloth then rinse and dry. Do not use harsh detergent or abrasive cleaners. The metal tray can be washed by hand or in the dishwasher.

2. Keep the outside of the oven clean: Disconnect the mains plug from the power outlet before cleaning the oven to electric shock. Clean the outside of your oven with soap and water then with clean water and dry with a soft cloth or paper towel. To prevent damage to the operating parts inside the oven, the water should not be allowed to seep into the ventilation openings. To clean control panel. open the door to prevent the oven from accidentally starting. and wipe a damp cloth followed immediately by a dry cloth. Press STOP after cleaning.
3. If steam accumulates inside or around the outside of the oven door, wipe the panels with a soft cloth. Steam or condensation build up inside the door is normal if foods are heated for a long period on higher power levels. this is not a malfunction, the condensation will eventually evaporate. Try covering the food or vary the heating levels and time to reduce any condensation forming in the door. this may also occur when the oven is operated under high humidity conditions and in no way indicates a malfunction of the unit.
4. The door and door seals should be kept clean. Use only warm, soapy water. rinse then dry thoroughly. **DO NOT USE ABRASIVE MATERIALS. SUCH AS CLEANING POWDERS OR STEEL AND PLASTIC PADS.** Metal parts will be easier to maintain if wiped frequently with a damp cloth.

## USING THE SMART DIAGNOSIS™ FUNCTION

Use this function if you need an accurate diagnosis by an LG Electronics service centre when the product malfunctions or fails. Use this function only to contact the service representative, not during normal operation.

1. When instructed to do so by the call centre, hold the mouthpiece of your phone over the



Smart Diagnosis™ logo on the controller.

2. With the door closed, press and continue to hold the STOP/Cancel button for 3 seconds so that 'Loc' appears on the display. Continue to hold the STOP/Cancel button for a further 5 seconds until '5' appears in the display. (so, the STOP/Cancel button will need to be held for 8 seconds continuously). A tone will then emit from behind the Smart Diagnosis symbol.
3. Keep the phone in place until the tone transmission has finished. The display will count down the time.

4. 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.

## QUESTIONS & ANSWERS

FAQ	Answer
What's wrong when the oven light will not glow?	There may be several reasons why the oven light will not glow. Either the light bulb has blown or the electric circuit has failed.
Does microwave energy pass through the viewing screen in the door?	No. The holes, or ports, are made to allow light to pass; they do not let microwave energy through.
Why does the BEEP tone sound when a button on the control panel is touched?	The BEEP tone sounds to assure that the setting is being properly entered.
Will the microwave function be damaged if it operates empty?	Yes. Never run it empty.
Why do eggs sometimes pop?	When baking, frying, or poaching eggs, the yolk may pop due to steam build up inside the yolk membrane. To prevent this, simply pierce the yolk before cooking. Never microwave eggs in the shell.
Why is standing time recommended after microwave cooking is over?	After microwave cooking is finished, food keeps on cooking during standing time. This standing time finishes cooking evenly throughout the food. The amount of standing time depends on the density of the food.
Why doesn't my oven always cook as fast as the cooking guide says?	Check your cooking guide again to make sure you've followed directions correctly, and to see what might cause variations in cooking time. Cooking guide times and heat settings are suggestions, chosen to help prevent overcooking. The most common problem in getting used to this oven. Variations in the size, shape, weight and dimensions of the food require longer cooking time. Use your own judgment along with the cooking guide suggestions to test food conditions, just as you would do with a conventional cooker.
Cool' appears on the display and the cooling fan continues to run after the cooking or heating time is over.	After cooking is complete, the fan may operate to cool the oven. The display will show Cool! If you open the door or press once STOP before the cooking time is complete, the remaining cooking time will show on the display. This is not a malfunction

When operating the microwave oven, If you use a product such as radio, TV, wireless LAN, Bluetooth, medical equipment, wireless equipment etc. Using the same frequency as the microwave oven, the product may receive interference from these products. This interference does not indicate a problem of the microwave or the product and is not a malfunction. Therefore, it is safe to use. However, medical equipment may receive interference as well, so use caution when using medical equipment near the product.

## TECHNICAL SPECIFICATIONS

MS233****		
Power Input		230-240 V~ 50 Hz
Microwave Output Power.		Max. 1000 W* (IEC60705 rating standard)
Microwave Frequency		2450 MHz
Oven Cavity Dimension	MS233****	322 mm(W) X 228 mm(H) X 310 mm(D)
Outside Dimension		476 mm(W) X 272 mm(H) X 346 mm(D)
Net Weight		8.6 kg
Shipping Weight		11.2 kg
Power Consumption		Microwave

- \* When operating at 1000 W, 800 W power levels for prolonged periods, the output power will be reduced gradually to help prevent the unit from electrically overheating.
- Microwave Frequency : 2450 MHz +/- 50 MHz (Group 2 / Class B) \*\*
- Group 2 equipment: group 2 contains all ISM RF equipment in which radio-frequency energy in the frequency range 9 kHz to 400 GHz is intentionally generated and used or only used, in the form of electromagnetic radiation, inductive and /or capacitive coupling, for the treatment of material or inspection/analysis purposes.
- Class B equipment is equipment suitable for use in domestic dwellings and domestic dwellings directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

### 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.