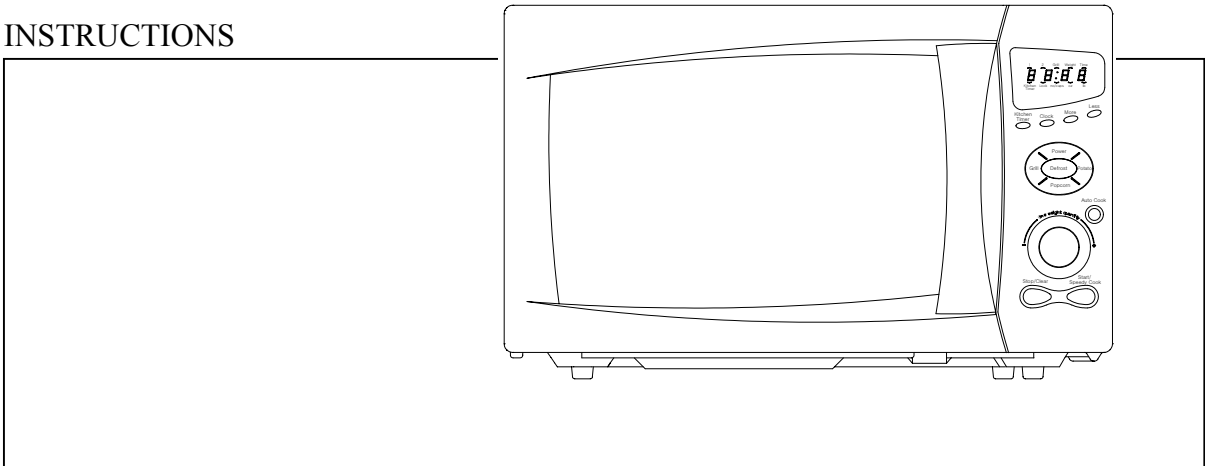


MICROWAVE OVEN

KOG-133K

OPERATING INSTRUCTIONS



Before operating this oven, please read these instructions completely.

Table of contents

1. precautions
2. important
3. installation
4. specification
5. features diagram
6. control panel
7. operation
8. controls
 - setting the power levels
 - about the time feature
 - setting the clock
 - child lock and power save mode
 - grill cooking
 - kitchen timer
 - auto cook
 - defrost
 - speedy cook
 - popcorn
 - potato
 - more/less
 - sequence programming
9. before you call for service
10. Questions and answer

PRECAUTION TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a). Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b). Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on the sealing surfaces
- (c). Do not operate the oven if it is damaged.

It is particularly important that the oven door close properly and that there is no damage to the following:

- (1) door (bent),
 - (2) hinges and latches (broken or loosened),
 - (3) door seals and sealing surfaces.
- (d). The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING-To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

- 1 Read all instruction before using the appliance.
- 2 Install or locate this appliance only in accordance with the provided installation instructions.
- 3 Some products such as whole eggs and sealed containers-for example, closed glass jars may explode and should not be heated in this oven.
- 4 Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
- 5 As with any appliance, close supervision is necessary when used by children.

- 6 Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
- 7 This appliance should be serviced only by qualified service personnel.
Contact nearest authorized service facility for examination, repair or adjustment.
- 10 Do not cover or block any openings on the appliance.
- 11 Do not store this appliance outdoors. Do not use this product near water for example, near a kitchen sink, in wet basement, or near a swimming pool, and the like.
- 12 Do not immerse cord or plug in water.
- 13 Keep cord away from heated surfaces.
- 14 Do not let cord hang over edge of table or counter.
- 15 Either:
 - a) When cleaning surfaces of door and oven that comes together on closing the door, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth, or
 - b) When separate cleaning instructions are provided, See door surface cleaning instructions on (specific page or section to be included).
- 16 To reduce the risk of fire in the oven cavity:
 - a) Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - b) Remove wire twist-ties from paper or plastic bag before placing bag in oven.
 - c) If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
 - d) Do not use the cavity for storage purposes.
Do not leave paper products, cooking utensils, or food in the cavity when not in use.
- 17 Do not use this microwave oven to heat corrosive chemicals (for example, sulfides and chlorides). Vapours from such corrosive chemicals may interact with the contact and springs of the safety interlock switches there by rendering them inoperable.
- 18 Keep the wave guide cover clean at all times.
Wipe the oven interior with a soft damp cloth after each use. If you leave grease or fat anywhere in the cavity it may overheat, smoke or even catch fire when next using the oven.
- 19 Never heat oil or fat for deep frying as you cannot control the temperature and doing so may lead to overt heating and fire.

20.



ARCING

*If you see arcing, press **STOP / CLEAR** pad and correct the problem.*

Arcing is the microwave term for sparks in the oven. Arcing is caused by:

- Metal or foil touching the side of the oven.
- Foil not molded to food (upturned edges act like antennas).
- Metal, such as twist-ties, poultry pins, or gold rimmed dishes, in the microwave.
- Recycled paper towels containing small metal pieces being used in the microwave.

INSTALLATION

1 Examine the oven after unpacking

Check for damage such as a mis-aligned door, broken door or a dent in the cavity. If any damage is visible, **DO NOT INSTALL**, and notify your dealer immediately.

2 Level, flat location

Install the microwave oven on a level, flat surface.

3 Ventilation

Do not block air vents. If they are blocked during operation, the oven may overheat and eventually cause a failure. For proper ventilation, allow 3 inches of space between oven top, side, rear and adjacent surfaces

4 Away from radio and TV sets

Poor television reception and radio interference may result if the oven is located close to a TV, radio, antenna, etc. Place the oven as far from them as possible.

5 Away from heating appliances and water taps

Keep the oven away from heat, steam or splashing liquids. These things can adversely affect oven wiring and contacts.

6 Power supply

This microwave oven requires a power supply of approximately 15 Amperes, 120 Volts, 60Hz and a grounded outlet. A short power cord is provided to reduce the risk of the user becoming entangled in or tripping over a longer cord. Longer cord sets or extension cords are available and may be used if exercised.

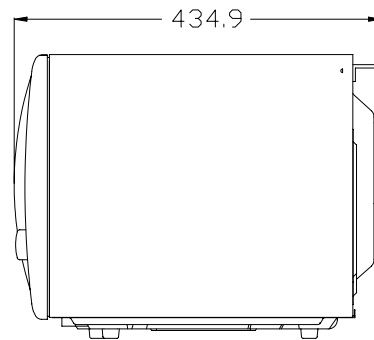
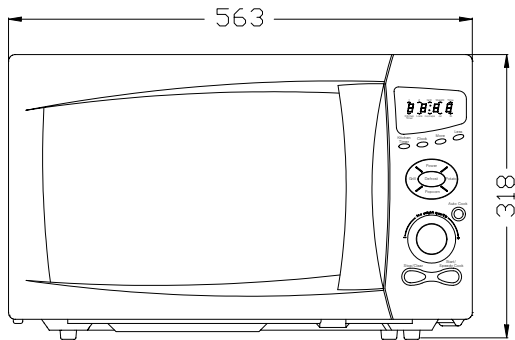
If an extension cord is used, the marked electrical rating of the cord should be at least as great as the electrical rating of the oven. The extension cord must be a grounding type 3-wire cord. The longer cord should be arranged so it does not drape over the tabletop or counter where children can pull on it or trip over it.

7. after placing the food in a suitable container, open the oven door and put it on the glass tray.
The glass tray must always be in place during cooking.

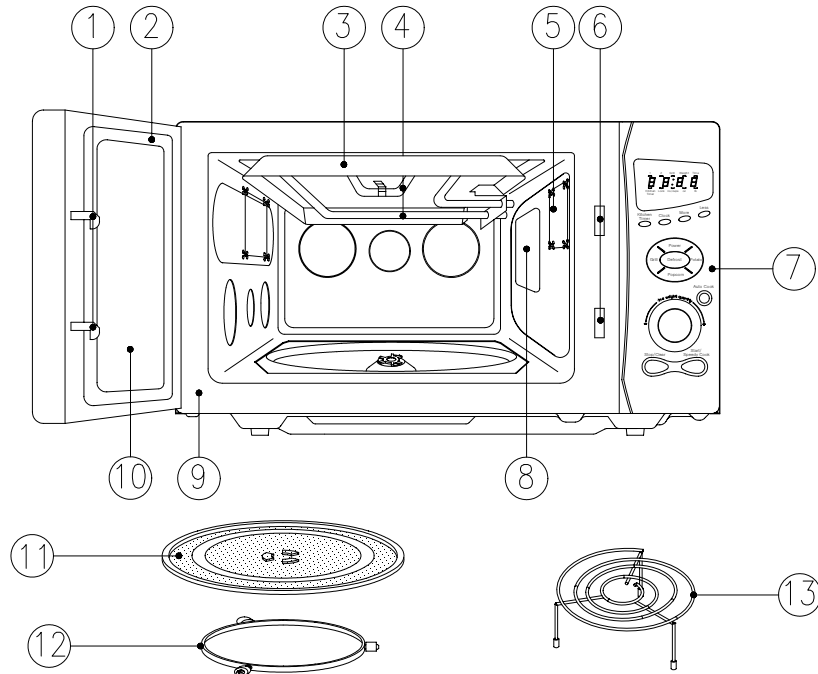
Specification

MODEL	KOG-133K	
POWER SUPPLY	120V/60Hz, SINGLE PHASE WITH EARTHING	
POWER CONSUMPTION	MICROWAVE	1400 W
	GRILL	1150 W
MICROWAVE ENERGY OUTPUT	1000 W	
MICROWAVE FREQUENCY	2450 MHz	
OUTSIDE DIMENSIONS(WxHxD)	563 x 318 x 434.9 mm (22.1 x 12.5 x 17.1 in.)	
CAVITY DIMENSIONS(WxHxD)	380 x 246 x 386 mm (14.9 x 9.7 x 15.2 in.)	
NET WEIGHT	APPROX. 18 kg (39.7 lbs)	
TIMER	99min.(M/W), 30min.(GRILL)	
FUNCTION SELECTIONS	MICROWAVE, GRILL	
POWER SELECTIONS	10 LEVELS	
CAVITY VOLUME	1.3 Cu. Ft	

*Specifications are subject to change without notice.

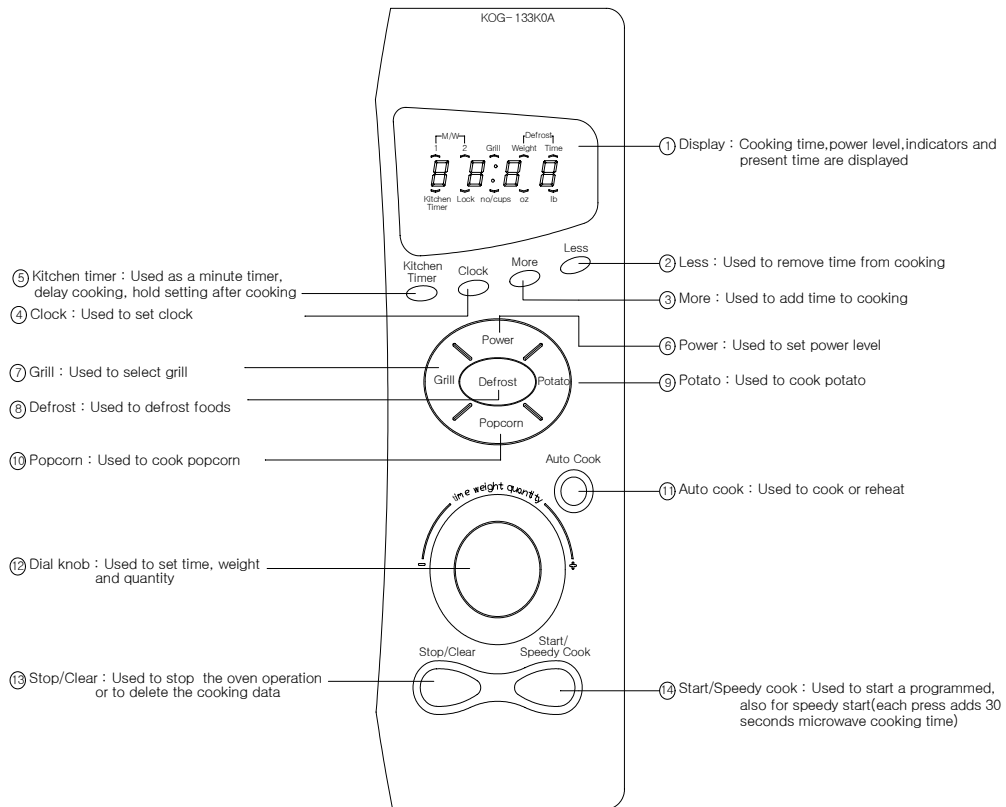


Features diagram



1. DOOR LATCH – When the door is closed it will automatically lock shut. If the door is opened while the oven is operating, the magnetron will automatically shut off.
2. DOOR SEAL – Door seal maintains the microwave within the oven cavity and prevents microwave leakage.
3. REFLECTOR – Reflects heat from heat element and insulates top plate from heat.
4. HEATING ELEMENT – Turns on when grill cooking selected.
5. OVEN LAMP – Automatically turns on during oven operating.
6. SAFETY INTERLOCK SYSTEM – Prevents the oven from operating while the door is open.
7. CONTROL PANEL
8. SPATTER SHIELD – Protects the microwave outlet from splashes of cooking foods.
9. OVEN FRONT PLATE
10. DOOR SCREEN – Allows viewing of food. Microwave cannot pass through perforations in screen.
11. GLASS COOKING TRAY – Made of special heat resistant glass. The tray must always be in proper position before operating. Do not cook food directly on the tray
12. ROLLER GUIDE – Supports the glass cooking tray.
13. METAL RACK

Control panel



Operation

1. To stop the oven while the oven is operating

press **stop/clear** button.

You can restart the oven by touching **start/speedy cook** button.

Press **stop/clear** once more to erase all instruction.

You must enter in new instruction.

2. open the door.

You can restart the oven by closing the door and press **start/speedy cook** button.

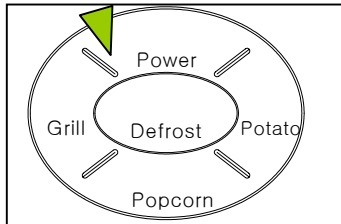
3. each time a button is pressed, a beep will sound to acknowledge the touch.

Controls

Changing power levels

How to change the power level:

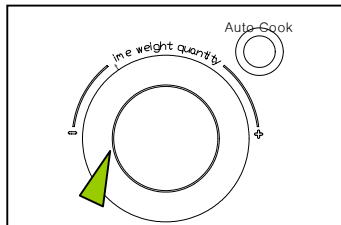
The power level may be changed before setting the cooking time.



1. Press **power** button.

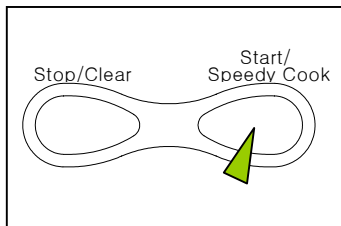
The m/w1 indicator lights and **:0** is displayed.

Select the appropriate power level by pressing the **power** button again until the corresponding percentage is displayed.



2. Turn the dial knob to set the cooking time.

Time can be set up to 99minutes.



3. press **start/speedy cook** button.

The oven light comes on and the turn table starts rotating.

Cooking starts and the time in the display will count down.

Power level table :

Power level	percentage	output	Power level	percentage	output
p-HI	100%	1000w	p-50	50%	500w
p-90	90%	900w	p-40	40%	400w
p-80	80%	800w	p-30	30%	300w
p-70	70%	700W	p-20	20%	200W
p-60	60%	600w	p-10	10%	100w
			p-00	0%	0w

Note:

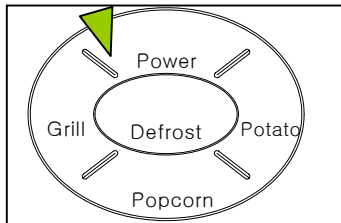
1. when the operation is finished the oven beeps three times, **:0** or clock appears in the display, the rotating plate stops turning and the oven light turn off.
The oven will continue to beep every 1 minutes until the any button is pressed, or the door is opened.

2. the oven displays the set cooking time in 10seconds steps (up to 5minutes cooking time), in 30second steps(up to 10 minutes cooking time),in 1minutes steps(up to 99minutes cooking time).

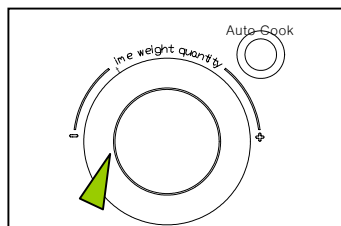
About the time features

Lets you change power levels automatically during cooking.

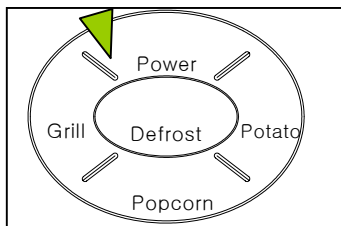
Here's how to do it:



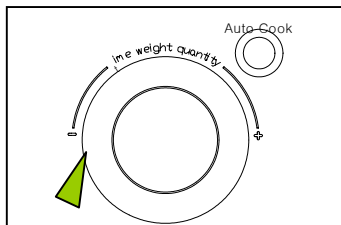
1. change the power level if you don't want full power for cook1. (Press **power** button. Select a desired power level HI,9 ~ 0) the m/w1 indicator lights and **:0** is displayed.



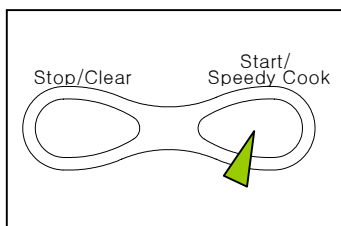
2. Turn the dial knob to set the first cooking time. Time can be set up to 99minutes.



3. press **power** button again. change the power level if you don't want full power for cook2. (Press **power** button. Select a desired power level HI,9 ~ 0) the m/w1 indicator disappear and m/w2 indicator lights.



4. Turn the dial knob to set the second cooking time. Time can be set up to 99minutes.

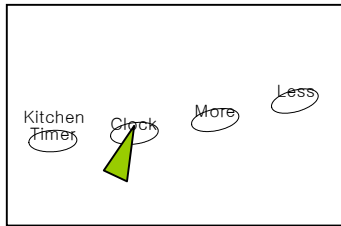


5. press **start/speedy cook** button. The oven light comes on and the turn table starts rotating. Cooking starts and the time in the display will count down. At the end of cook1, cook2 counts down.

Setting the clock

When your oven is plugged in for the first time or when power resumes after a power interruption, the display will flash **:0**

Your oven has multiple(12hr /24hr) clock system. To set the clock follow under procedure.



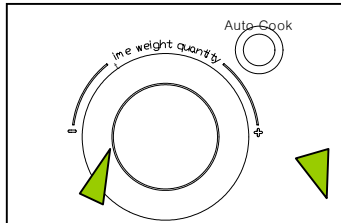
1. Press **clock** button once.(example : to set **5:30**)

The display will be **12H** shows.

2. Press clock button once more, **24H** shows in display.

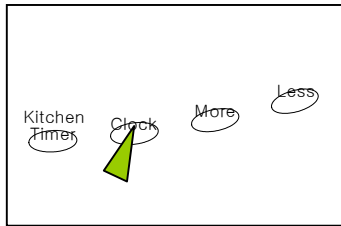
This is the 24hour clock system. If you want 12hour clock system ,

omit this step.



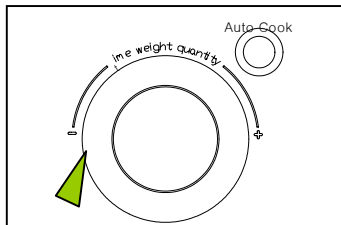
3. Turn the dial knob to set the hour number **5** .

the hour number starts blinking, the colon will right.



4. press **clock** button. **5:00** shows in display.

The minute number starts blinking, the colon and hour number will light.

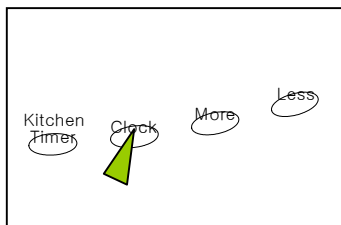


5. turn the dial knob until **5:30** in the display window.

6. press clock button. The colon starts blinking.

If you selected 12hour clock system, this digital clock allows you to set from **1:00** to **12:59**.

If you selected 24hour clock system, this digital clock allows you to set from **0:00** to **23:59**.

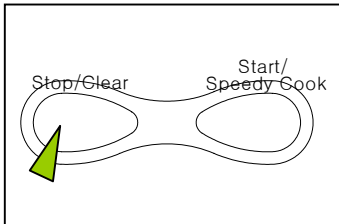


Child lock and Power save mode

Child lock : the child lock prevents the oven from being used.

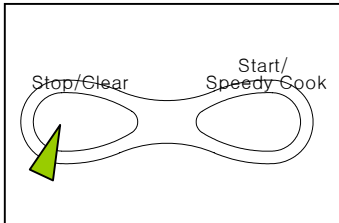
For example because children could hurt themselves on hot liquids etc.

Power save mode : this function is used for saving energy.

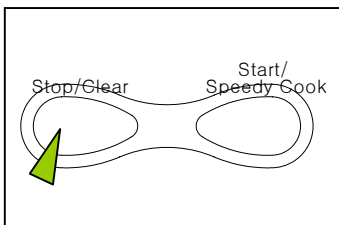


To set child lock

1. Press **stop/clear** button.
: 0 or clock appears in the display.

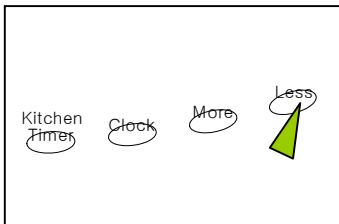


2. Press and then hold **stop/clear** button for 3 second.
The display will lock indicator lights.
Now the oven cannot be operated.
3. to cancel child lock simply repeat procedure 2.
The oven will beep and lock indicator disappears.
The oven is again available for normal use.



To set power save mode

1. press **stop/clear** button.
: 0 or clock appears in the display.



2. Press and then hold **stop/clear** button for 3 second.
The display will turn off and a beep sounds.

To operate the oven on power save mode, press any key or turn the knob.

Then **: 0** or clock will be shown and the operation of all function key will be same as in the normal mode. but if there is no operation within 10 seconds in clear mode or while manipulating the key, all the contents of display will disappear.

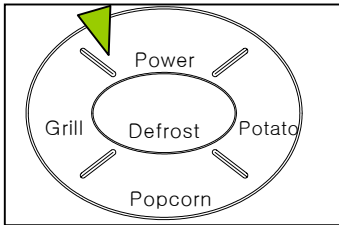
3. to cancel power save simply repeat setting procedure.

The power save mode will be canceled and a beep sounds.

The oven is again available for normal use.

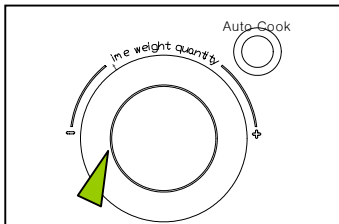
Grill cooking

The grill enables you to heat and brown food quickly, without using microwaves.



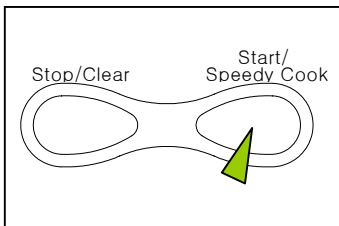
1. Press **grill** button.

The grill indicator lights and **: 0** is displayed.



2. Turn the dial knob to set the cooking time.

Time can be set up to 99minutes.



3. Press **start/speedy cook** button.

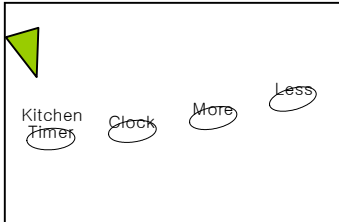
The oven light comes on and the turn table starts rotating.

Cooking starts and the time in the display will count down.

Kitchen Timer

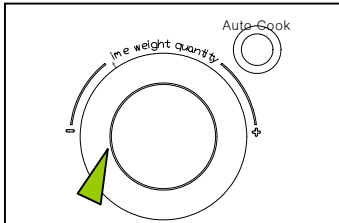
This feature operates as a minute timer. During operation there is no microwave energy.

In addition to its function as a timer for programmed, you can use the timer for timing where no microwave cooking is involved.



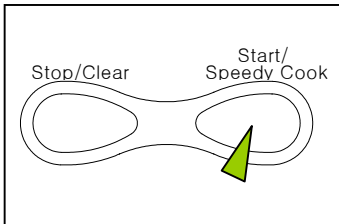
1. Press **timer** button.

The timer indicator lights and **:00** is displayed.



2. Turn the dial knob to set the timer time.

Time can be set up to 99minutes.



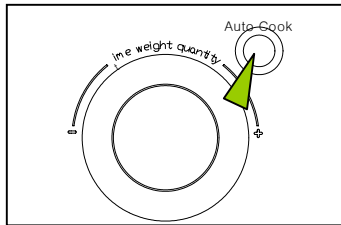
3. Press **start/speedy cook** button.

The oven light and turn table are no operating.

Only, the time in the display will count down .

Auto cook

The auto cook feature automatically sets the cooking times and power levels for a variety of foods..

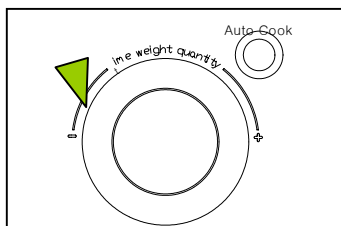


1. Press **auto cook** button.

The grill indicator lights and **AC-1** is displayed.

Select the menu by pressing the auto cook button until the required menu is displayed.

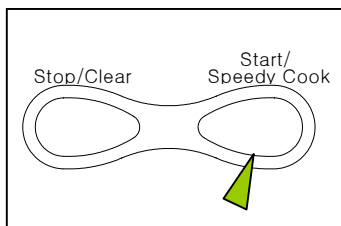
refer to auto cook menu chart below for further details.



2. Turn the dial knob to set the quantity .

refer to auto cook menu chart below for further details.

The oz or cup indicator lights



3. press **start/speedy cook** button.

The oven light comes on and the turn table starts rotating.

Cooking starts and the time in the display will count down.

* Auto cook menu chart *

Menu	display	Quantity	Cook time	remark
1.DINNER PLATE	AC-1	12oz / 350g	2:30	
		15oz / 450g	3:00	
2.SOUP	AC-2	12oz / 350g	2:30	
		15oz / 450g	3:00	
3.BEVERAGE	AC-3	1cup	1:10	
		2cup	2:20	
		3cup	3:30	
4.FRESH VEGETABLE	AC-4	7oz / 200g	2:30	
		14oz / 400g	4:40	

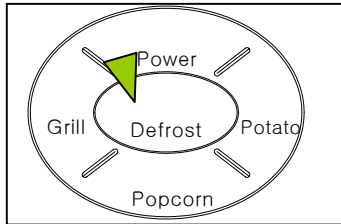
Defrost

The defrost auto/time feature gives you two ways to defrost frozen foods.

Press **defrost** once for weight defrost or twice for time defrost.

During the defrosting process the oven will beep to remind you to check the food.

The oven will beep, open the door, turn the frozen food over and close the door, press **start** button.



To set the weight defrost :

1. Press **defrost** button.

The **weight def.** indicator lights and **0.0** is displayed.

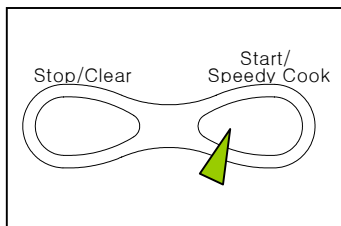
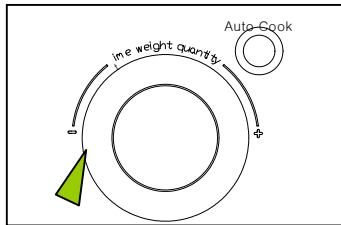
The **lb** indicator will be start blinking.

2. Turn the dial knob to set the weight.

Weight can be set up from 0.5lb to 6.5lb.

The weight will change in 0.5lb increments or decrements.

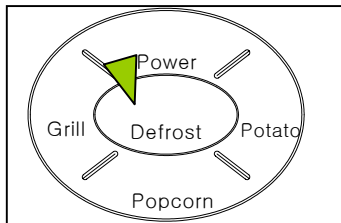
3. press **start/speedy cook** button.



The oven light comes on and the turn table starts rotating.

Cooking starts and the time in the display will count down.

The weight defrost sets the defrosting times and power levels by automatically once you have entered in the weight of the food.



To set the time defrost :

1. Press **defrost** button twice.

The **time def.** indicator lights and **:0** is displayed.

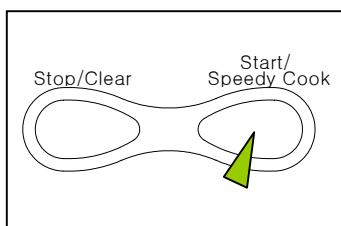
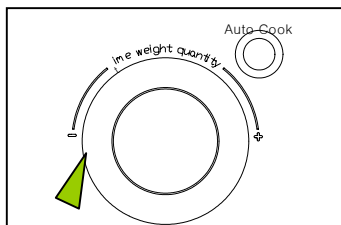
2. Turn the dial knob to set the defrosting time.

Time can be set up to 99minutes.

3. press **start/speedy cook** button.

The oven light comes on and the turn table starts rotating.

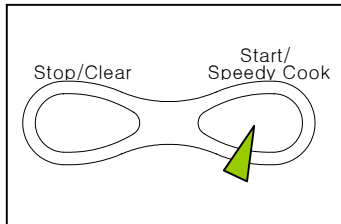
Cooking starts and the time in the display will count down.



Speedy cook

The speedy cook function allows the oven to be cooking immediately on full power .

The **speedy cook** button has been pre-programmed to increase in increments of 30 seconds up to a maximum time of 5 minutes.



1. Press **start/speedy cook** button.

The oven will be **:30** is displayed.

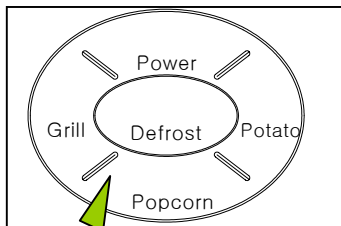
And the oven will start immediately. No need to press start button

The oven light comes on and the turn table starts rotating.

and the time in the display will count down in seconds.

popcorn

Place the package of popcorn in the center of the turntable.



1. Press **popcorn** button.

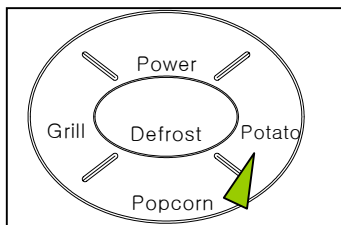
The oven will be **3.5** is displayed and oz indicator will be lights.

After the 1.5seconds, the display changed into cooking time of quantity and The oven light comes on and the turn table starts rotating and the time in the display will count down in seconds.

No need to press start button

Potato

To increase quantity press potato button within 1.5 seconds, until number in display is same as desired quantity to cook.



1. Press **potato** button.

The oven will be **1** is displayed and no indicator will be lights.

After the 1.5seconds, the display changed into cooking time of quantity and The oven light comes on and the turn table starts rotating and the time in the display will count down in seconds.

No need to press start button

* Potato *

1no : press potato once.

2no : press potato twice within 1.5 seconds.

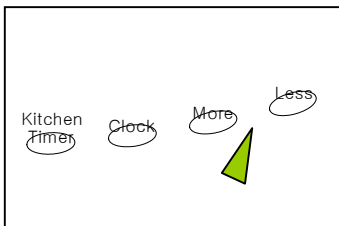
3on : press potato three within 1.5 seconds.

More / Less

The **more** and **less** buttons allow you to cook food a little more or less than the pre-set automatic programmed.

During cooking, it is possible to alter the cooking time using **more** or **less** button to decrease or increase the cooking time in multiples of 1 minute or 10 seconds.

Overall cooking time can be increased to a maximum of 99 minutes.



Note :

More and **Less** buttons can increase or decrease the cooking time in multiples of 1 minute when cooking with timer, power(m/w1, m/w2).

More and **Less** buttons can increase or decrease the cooking time in multiples of 10 seconds when cooking with popcorn, potato, auto cook.

Sequence programming

The can programmed a maximum of three sequences, this facility offers the advantage of continued, uninterrupted oven operation.

How to set a sequence of basic programmed (example):

1. input the defrost weight or time. (stage 1)

→

2. input the power level and cooking time.(stage 2)

→

3. input the power level and cooking time.(stage 3)

→

4. press start button.

→(beep)→ →(beep)→

Note :

Popcorn, potato, auto-cook, speedy-cook cannot be programmed as the sequence programming.

Defrost cannot be programmed as the stage2 and stage3.

Only, Defrost can be programmed as the first sequence.

Sequence programming of GRILL can be the → only

Before you call for service

Refer to following checklist, you may prevent an unnecessary service call.

* the oven doesn't work;

1. check that the power cord is securely plugged in.
2. check that the door firmly closed.
3. check that the cooking time is set.
4. check for a blown circuit fuse or tripped main circuit breaker in your house.

* sparking in the cavity;

- 1, check that utensils are metal containers or dishes with metal trim.
2. check that metal skewers touch the interior walls.

If there is still a problem, contact the service station.

Questions and answer

● Q : Why do eggs sometimes pop ?

A : When baking or poaching eggs, the yolk may pop due to steam build-up inside the yolk membrane. To prevent this, simply pierce the yolk with a toothpick before cooking. Never cook eggs without piercing their shells.

● Q : Why this standing time recommended after the cooking operation has been completed?

A : Standing time is very important.

With microwave cooking, the heat is in the food, not in the oven. Many foods build up enough internal heat to allow the cooking process to continue, even after the food is removed from the oven. Standing time for joints of meat, large vegetables and cakes is to allow the inside to cook completely, without overcooking the outside.

● Q : What does “standing time” mean?

A : “Standing time” means that food should be removed from the oven and covered for additional time to allow it to finish cooking. This frees the oven for other cooking.

● Q : Why does my oven not always cook as fast as the microwave cooking guide says?

A : Check your cooking guide again, to make sure you’ve followed directions exactly ; and to see what might cause variations in cooking time. Cooking guide times and heat settings are suggestions, to help prevent over-cooking... the most common problem in getting used to a microwave oven.

Variations in the size, shape and weights and dimensions could require longer cooking Time. Use your own judgement along with the cooking guide suggestions to check whether the food has been properly cooked just as you would do with a conventional cooker

● Q : Will the microwave oven be damaged if it operates while empty?

A :Yes. Never run it empty.

● Q : Can I operate my microwave oven without the turntable or turn the turntable over to hold a large dish?

A : No. If you remove or turn over the turntable, you will get poor cooking results. Dishes used in your oven must fit on the turntable.

● Q : Is it normal for the turntable to turn in either direction?

A : Yes. The turntable rotates clockwise or counterclockwise, depending on the rotation of the motor when the cooking cycle begins.

● Q : Can I pop popcorn in my microwave oven? How do I get the best results?

A : Yes. Pop packaged microwave popcorn following manufacture's guidelines or use the preset POPCORN pad. Do not use regular paper bags. Use the "listening test" by stopping the oven as soon as the popping slows to a "pop" every 1 or 2 seconds. Do not repop unpopped kernels. Do not pop popcorn in glass cookware.