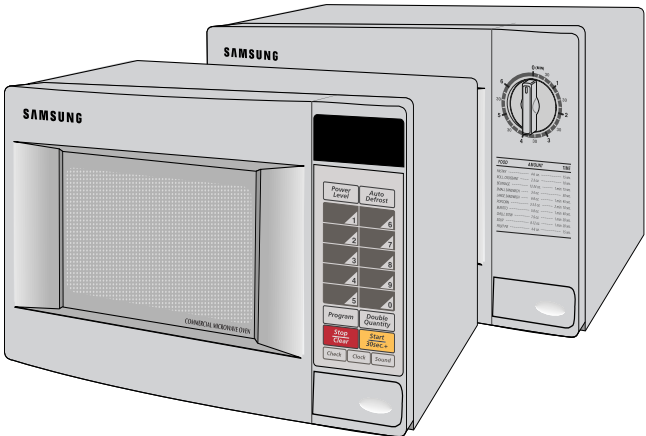




# Commercial Microwave Oven

Owner's Manual  
**CM1012B**  
**CM1020B**  
**CM1022B**



## PRECAUTIONS 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 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
  - 1) Door (bent or dented),
  - 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.

## WARNING

Always observe Safety Precautions when using your oven. Never try to repair the oven on your own – there is dangerous voltage inside. If the oven needs to be repaired, call 1-800-SAMSUNG for the name of an authorized service center near you.

## IMPORTANT SAFETY INSTRUCTIONS

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

### WARNING

To reduce risk of burns, electric shock, fire, personal injury or exposure to excessive microwave energy:

- Read all safety instructions before using the appliance.
- Read and follow the specific “**PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY**” on this page.
- This appliance must be grounded. Connect only to properly grounded outlets. See “**IMPORTANT GROUNDING INSTRUCTIONS**” on page 4 of this manual.
- Install or place this appliance only in accordance with the installation instructions provided.
- Some items, like whole eggs and food in sealed containers, may explode if heated in this oven.
- Use this appliance only for its intended use as described in the 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.
- As with any appliance, close supervision is necessary when used by children.

# SAVE THESE INSTRUCTIONS

## Important Safety Instructions, continued

- 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.
- This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.
- Do not cover or block any of the openings on this appliance.
- Do not store this appliance outdoors. Do not use near water – for example, near a kitchen sink, in a wet basement, or near a swimming pool, etc.
- Keep the inside of the oven clean. Food particles or spattered oils stuck to the oven walls or floor can cause paint damage and reduce the efficiency of the oven.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not let cord hang over edge of table or counter.
- When cleaning door and oven surfaces, use only mild, nonabrasive soaps or detergents applied with a sponge or soft cloth.
- To reduce the risk of fire in the oven:
  - a. Do not overcook food. Watch appliance carefully if paper, plastic, or other combustible materials are inside.
  - b. Remove wire twist-ties from plastic cooking bags before placing bags in oven.
  - c. If materials inside the oven ignite, keep the oven door closed, turn the oven off, disconnect the power cord, or shut off the power at the fuse or circuit breaker panel.
  - d. Do not use the oven compartment for storage purposes. Do not leave paper products, cooking utensils, or food in the oven when not in use.
- Do not try to preheat oven or operate while empty.
- Do not cook without the glass tray in place on the oven floor. Food will not cook properly without the tray.
- Do not defrost frozen beverages in narrow-necked bottles. The containers can break.
- Dishes and containers can become hot. Handle with care.
- Carefully remove container coverings, directing steam away from hands and face.
- Remove lids from baby food before reheating. After heating baby food, stir well and test temperature by tasting before serving.
- A short power-supply cord is provided to reduce the risk of becoming entangled in or tripping over a longer cord. Longer cord sets or extension cords are available and may be used with caution.
- Do not operate any other heating or cooking appliance beneath this appliance.
- Do not mount unit over or near any portion of a heating or cooking appliance.
- Do not mount over a sink.
- Do not store anything directly on top of the appliance when it is in operation.
- If materials inside oven should ignite, keep the oven door closed, turn the oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.
- Pre-caution for safe use to avoid possible exposure to excessive micro oven energy :  
Do not attempt to pull any part of the door by hand to open the door. Open the door only utilizing the push button located at front-right-bottom side.

# SAVE THESE INSTRUCTIONS

# Important Grounding Instructions

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electrical current. This appliance is equipped with a cord that includes a grounding wire and a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Plug the three-prong power cord into a properly grounded outlet of standard 115-120 voltage, 60 Hz. Your oven should be the only appliance on this circuit.



## WARNING

Do not cut or remove the third (ground) prong from the power cord under any circumstances.



## WARNING

Improper use of the grounding plug can result in a risk of electric shock. Consult a qualified electrician or servicer if you do not understand the grounding instructions or if you are not sure if the appliance is properly grounded.

## Use of Extension Cords

A short power-supply cord is provided to reduce the risk of becoming entangled in or tripping over a longer cord. Longer cord sets or extension cords are available and may be used if care is exercised in their use. If a long cord or extension cord is used:

1. The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
2. The extension cord must be a grounding-type 3-wire cord and it must be plugged into a 3-slot outlet.
3. The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over accidentally. If you use an extension cord, the interior light may flicker and the blower may vary when the microwave oven is on. Cooking times may be longer, too.

# SAVE THESE INSTRUCTIONS

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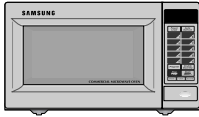
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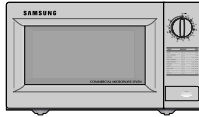
# YOUR NEW MICROWAVE OVEN

## Checking Parts

Unpack your microwave oven and check to make sure that you have all the parts shown here. If any part is missing or broken, call your dealer.



**CM1022B/CM1020B**  
microwave oven



**CM1012B**



glass tray



instruction manual



roller guide ring



registration card

## WARRANTY AND SERVICE INFORMATION

To help us better serve you, please complete the enclosed registration card and promptly return it by mail. If the registration card is missing, you can call Samsung Electronics America, Inc., at 1-800-SAMSUNG (1-800-726-7864), or register on-line at [WWW.SAMSUNGUSA.COM](http://WWW.SAMSUNGUSA.COM)

When contacting Samsung, please provide the specific model and serial number information which is usually located on the back or bottom of the product. Please record these numbers below, along with the other requested information. Keep this information in a safe place as a permanent record of your purchase to aid in identification in case of theft or loss, and a copy of your sales receipt as a proof of purchase if warranty service is needed.

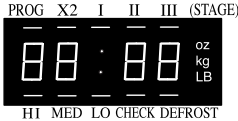
MODEL NUMBER \_\_\_\_\_  
 SERIAL NUMBER \_\_\_\_\_  
 DATE PURCHASED \_\_\_\_\_  
 PURCHASED FROM \_\_\_\_\_

Warranty service can only be performed by a Samsung Authorized Service Center. If you should require warranty service, provide the above information with a copy of your sales receipt to the Samsung Authorized Service Center. For service assistance and the location of the nearest service center, please call 1-800-SAMSUNG (1-800-726-7864), or go on-line to [WWW.SAMSGSUPPORT.COM](http://WWW.SAMSGSUPPORT.COM)

## Setting Up Your Microwave Oven

**1** Place the oven on a flat, sturdy surface and plug the cord into a grounded outlet.

**CM1022B/CM1020B:** Once plugged in, the display on your oven will show:

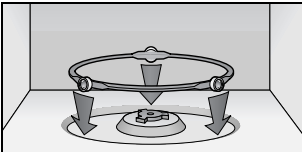


*Make sure there is adequate ventilation for your oven by leaving at least four inches of space behind, above, and to the side of the oven.*

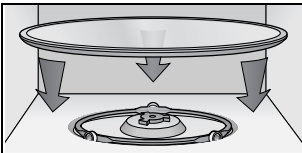
**2** Open the oven door by pressing the button below the control panel.

**3** Wipe the inside of the oven with a damp cloth.

**4** Place the pre-assembled ring in the indentation in the center of the oven.



**5** Place the glass tray on top of the ring so that the three glass tabs in the center of the tray fit securely into the tabs on the floor of the oven.



# YOUR NEW MICROWAVE OVEN

## Control Panel Buttons(CM1022B/CM1020B)

### Auto Defrost (p. 12)

Sets weight of food to be defrosted.

### Power Level

Used to select power level

### Number Buttons

Set cooking time, weight and memory programming.

### Double Quantity (p. 12)

Press for additional portion heating.

### Program (p. 10~11)

Press to set Memory Programming.

### Stop/Clear (p. 9)

Press to stop oven or correct a mistake.

### Start/30sec.+ (p. 11)

Press to start cooking or press once for every 30 sec. of cooking at High power.

### Check (p. 13)

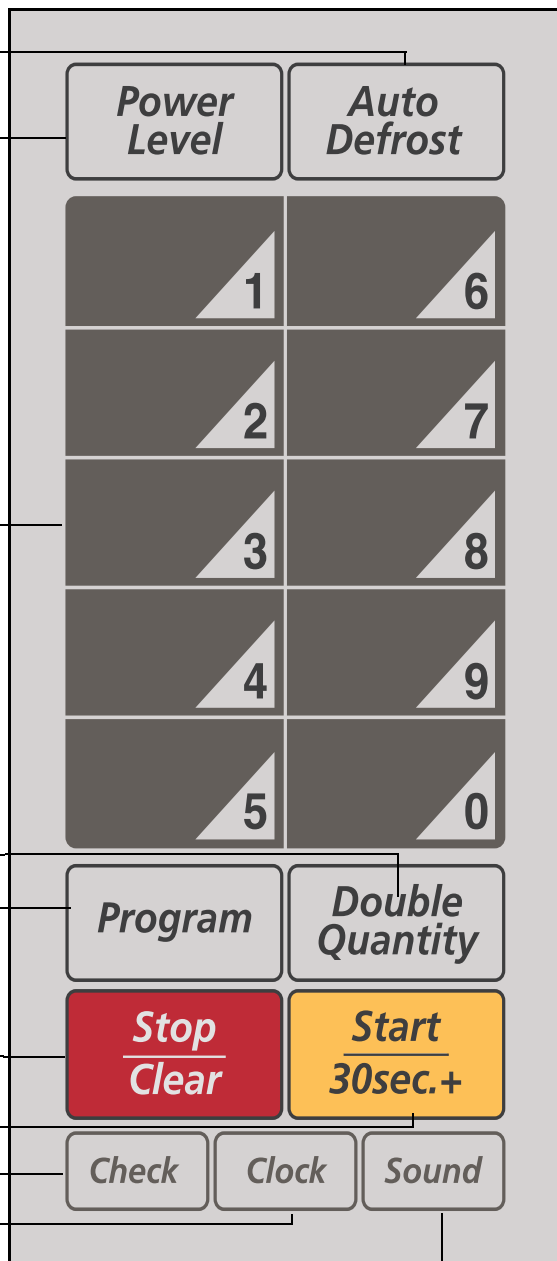
Press to confirm the Program.

### Clock (p. 9)

Sets current time.

### Sound (p. 14)

Press to adjust sound volume.

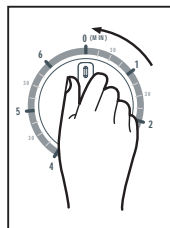


## How to Operate(CM1012B)

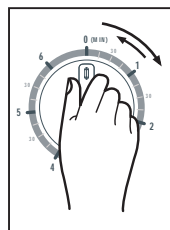
- 1** Make sure unit is plugged into a three-prong grounded 120V circuit.
- 2** Open the door. Place the Glass Tray in the oven.
- 3** Close the door securely.
- 4** Set a desired heating time.  
Refer to Menu on oven.  
  
> Microwave heating begins when oven light turns on.
- 5** You may open the door while the oven is operating. As soon as the door is opened, the safety mechanisms stop microwave power and heating. To continue heating, close door. Microwave heating begins again. If you wish to change the time during heating, simply adjust the timer to desired minutes.
- 6** When time has elapsed, a bell will ring and the unit will turn off.  
  
> Oven light turns off.

### NOTE:

- 1** If heating is completed BEFORE the timer has elapsed, turn the **TIMER** TO "0". The unit will operate until the timer returns to "0".



- 2** When setting the timer for less than 30 sec, first turn the timer past 30 sec, then turn to the desired time.





## Selecting the Weight System

- 1 The first time the power cord is plugged into an outlet, or after there has been an interruption in power, all digits and indicators will be displayed. At this point, the weight system can be selected by using the "0" button. By pressing "0" once, kilograms will be selected.



- 2 To select pounds, quickly press "0" again.



- 3 After selecting the weight system, two seconds standing time is required before the setting is automatically completed.



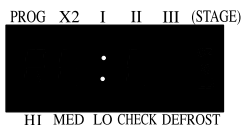
## Using the Stop/Clear Button

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 **Stop/Clear** once. To restart, press **Start**.
- To correct a mistake you have just entered, press **Stop/Clear** once, then re-enter the instructions.

## Setting the Clock

- 1 Press the **Clock** button. The display will show:



- 2 Use the **Number** buttons to enter the current time. You must press at least three numbers to set the clock. If the current time is 5:00, enter 5,0,0.



- 3 Press **Clock** again. A colon will appear, indicating that the time is set.

*If there is a power interruption, you will need to reset the clock.*

*You can check the current time while cooking is in progress by pressing the **Clock** button.*

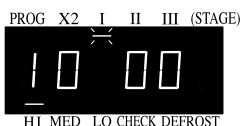
## Setting Cooking Times & Power Levels

### One-Stage Cooking

- 1 Press the **Power Level** button to select power. By pressing the **Power Level** button repeatedly, you can select the power level - HI, MED, or LO.



- 2 Use the **Number** buttons to set a cooking time. You can set a time from one second to 99 minutes, 99 seconds. To set a time over one minute, enter the seconds as well. *For example, to set 10 minutes, enter 1, 0, 0, 0.*



- 3 Press **Start** button to begin cooking.

# OPERATION

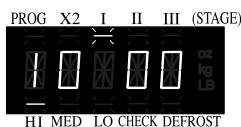
## Setting Cooking Times & Power Levels Multi-Stage Cooking

**1** Press the **Power Level** button to select power.

- By pressing the **Power Level** button repeatedly, you can select the power level - HI, MED, or LO.



**2** Use the **Number** buttons to enter the cooking time. You can set a time from one second to 99 minutes, 99 seconds. To set a time over one minute, enter the second as well. For example, to set 10 minutes, enter 1, 0, 0, 0.



**3** Repeat steps 1 and 2 for stage >> or >>> cooking.

**4** Press **Start** button to begin cooking.

Power Level	Percentage	Output
HI	100%	1000W
MED	70%	700W
LO	50%	500W

## Memory Programming

### One-Stage Cooking

**1** Upon pressing the **Program** button, the oven will enter the Program mode. The display will be cleared .



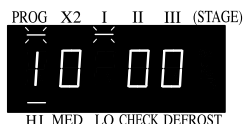
**2** Using the **Number** buttons, enter the program number from 1 to 20.



**3** Then, press the **Power Level** button to select power. By pressing the **Power Level** button repeatedly, you can select the power level - HI, MED, or LO.



**4** After selecting the power level, Use the **Number** buttons to enter the cooking time. You can set a time from one second to 99 minutes, 99 seconds. To set a time over one minute, enter the seconds as well. For example, to set 10 minutes, enter 1, 0, 0, 0.



**5** Press the **Program** button to complete setting the memory.

The display will show " :0 " or the present time (If the time is set).

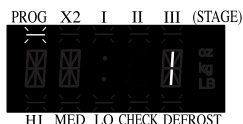
## Memory Programming

### Multi-Stage Cooking

- 1 Upon pressing the **Program** button, the oven will enter the Program mode. The display will be cleared.



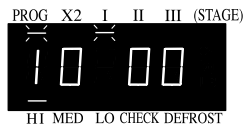
- 2 Using the Number buttons, enter the program number from 1 to 20.



- 3 Then, press the **Power Level** button to select power. By pressing the **Power Level** button repeatedly, you can select the power level - HI, MED, or LO.



- 4 Use the **Number** buttons to enter the cooking time. You can set a time from one second to 99 minutes, 99 seconds. To set a time over one minute, enter the seconds as well. For example, to set 10 minutes, enter 1,0,0,0.



- 5 Repeat steps 3 and 4 for >> or >>> :tage memory programming.
- 6 Press the **Program** button to complete setting the memory. The display will show "0" or the present time (if the time is set).

## Using Memory Programming

- 1 Press the **Number** buttons to select user-programmed memory functions (please refer to Memory Programming) from 1 to 20. The oven will start instantly without pressing the **Start** button.

## Using the Start/30 sec.+ button

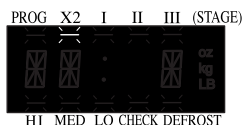
This button offers a convenient way to heat food in 30 sec. increments at the High power level.

- 1 Press the **Start/30 sec.+** button once for each 30 sec. you wish to cook the food. For example, press it twice for one minute. The time will display, and the oven starts automatically.

*Add 30 seconds to a program in progress by pressing the **Start/30 sec.+** button for each 30sec. you want to add.*

## Using the Double Quantity button

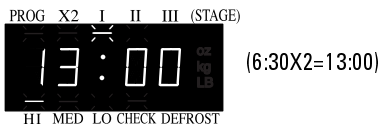
- 1 Press the **Double Quantity** button.



- 2 By using the **Number** buttons, enter the Memory Program number from 1 to 20. For example, suppose you press "5", for Memory Program 5 which is Stage I > :Power Level with cooking time of 6 minutes and 30 seconds.



- 3 The Memory Program then operates for double the user-programmed time, which in this case is 13 minutes.



- NOTE: The maximum allowable cooking time is 99 min. 99 sec. If doubling the programmed time exceeds the maximum allowable cooking time, then actual cooking time will be limited to 99 min. 99 sec.

## Using the Auto Defrost button

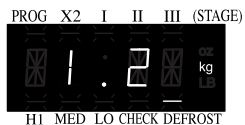
- 1 Press the **Auto Defrost** button. If you have set your oven for metric measure, the display shows "0.2Kg".



If you have set your oven for lbs. measure, the display shows "0.5 LB"



- 2 To set the weight of your food, press the **Auto Defrost** repeatedly or **Number** buttons. The Auto Defrost button increases the weight by 0.2Kg increments up to 2.6Kg. (by 0.5lb increments up to 6.0lbs). If you want to input 1.2Kg by **Number** buttons, press 1,2 in turn.



- 3 The oven calculates the defrosting time and starts automatically. Twice during defrosting, the oven will beep.
- 4 Press the **Stop/Clear** button, open the oven door, and turn the food over.
- 5 Press the **Start/30 sec.+** button to resume defrosting.

## Using the Check button

### Confirming the cooking time and Power Level in each Memory Program

- 1 Press the **Check** button to enter Check mode. The display will be cleared.



- 2 By using **Number** buttons, enter the Memory Program number from 1 to 20. For example, suppose you press "5", for Memory Program 5 which is > Stage : > Power Level with a cooking time of 6 minutes and 30 seconds.



- 3 After one second, the display will clear automatically. If you want to check other Memory Programs, just enter the Memory Program numbers.
- 4 Press the **Stop/Clear** button to exit the Check mode.

## Reading each Memory Program's Cycle Counter

- 1 Press the **Check** button. The display will be cleared.



- 2 Press the **Start** button, and then press any **Number** button, from 1 to 20, and the number of cycles for that particular Memory Program will be displayed. The cycle count is displayed in units of 10. For example, if Memory Program 5 has been used 100 times, the display will show "10".



As the display uses units of 10, the cycle counts are approximate. The cycle count displayed increases every ten cycles. For example, if the cycle count were 90-99, "9" would be displayed. The "9" would change to "10" on the 100th cycle. The cycle counter function has a limit of 99,990 cycles. Once that number is exceeded, the cycle counter will automatically clear and start again from "0".

- 3 After one second, the display will clear automatically. If you want to check the cycle count of other Memory Programs, just enter the Memory Program numbers.
- 4 Press the **Stop/Clear** button to exit the Checking mode.

## Resetting the Memory Program Cycle Counter

- 1 Clear all operations by pressing the **Stop/Clear** button.  
The display will show “ : 0 ” or the present time (If the time is set).
- 2 Press **Number “ 0 ”** and the **Auto Defrost** button at the same time.  
The Microwave will emit a Beep sound confirming the reset operation.  
The display will show “ : 0 ” or the present time (If the time is set).

## Setting the Sound

- 1 Press the **Sound** button to adjust sound volume. The basic sound volume is “LO” and when you press the **Sound** button repeatedly, the sound volume changes in the following order - MED, HI, OFF, LO.

Indicator	Sound
HI	Loud
MED	Middle
LO	Low
Blank	Off



- 2 Press the **Start** button to exit the Sound mode.  
The display will show “ : 0 ” or the present time (If the time is set).

# COOKING INSTRUCTIONS

## Cooking Utensils

### √ Recommended

- **Glass and glass-ceramic bowls and dishes** — Use for heating or cooking.
- **Microwave browning dish** — Use to brown the exterior of small items such as steaks, chops, or pancakes. Follow the directions provided with your browning dish.
- **Microwavable plastic wrap** — Use to retain steam. Leave a small opening for some 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.

### √ X Use Caution

- **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 can be flammable.

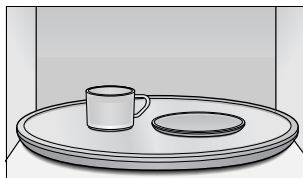
### X Unsafe

- **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.
- **Metal utensils** — These can damage your oven. Remove all metal before cooking.

## 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 **CM1022B/CM1020B** : Press the **Start/30 sec.+** button once to heat them for 30 seconds at High power.  
**CM1012B** : Set the time 30 seconds by turning the **TIMER** knob

The water should be warm and the dish you are testing should be cool. If the dish is warm, then it is absorbing microwave energy and is not acceptable for use in the microwave.

# COOKING INSTRUCTIONS

## Guide for Cooking Meat in Your Microwave

- Place meat on a microwave-safe roasting rack in a microwave-safe dish.
- Start meat fat-side down. Use narrow strips of aluminum foil to shield any bone tips or thin meat areas.
- Check the temperature in several places before letting the meat stand the recommended time.
- The following temperatures are removal temperatures. The temperature of the food will rise during the standing time.

**\*NOTE(CM1012B)**

-Works only at high power level and has no specific power level.

-Use after resetting time with "TIMER KNOB" if cooking takes more than 6 minutes.

## Cooking & Reheating Guide

FOOD	WEIGHT	START TEMP	METHOD	CM1020B/ CM1022B		CM1012B
				POWER LEVEL	TIME	TIME
Popcorn	3.5 oz	Room	Center bag on turntable	High	2:10	2:10
	3.0 oz	Room	Same as above	High	2:10	2:10
Fresh Vegetables						
Corn on the cob	1 ear	Room	Wrap in plastic wrap or wax paper	High	1:55	1:55
	2 ears	Room	Same as above	High	3:10	3:10
	4 ears	Room	Same as above	High	6:40	6:40
Green Beans	1 cup	Room	Cover: add 2Tbsp.Water	High	2:30	2:30
	2 cups	Room	Same as above	High	3:30	3:30
	4 cups	Room	Same as above	High	5:55	5:55
Broccoli, cup-up	1 cup	Room	Wash: cover -add no water	High	2:10	2:10
	4 cups	Room	Same as above	High	4:50	4:50
Potato	1-8 oz.	Room	Prick-turn over at half time, 5 min.	High	3:05	3:05
Potatoes	2-16 oz.	Room	stand before	High	5:15	5:15
	4-32 oz.	Room	Same as above	High	13:10	13:10
Sliced Carrots	1 cup	Room	Same as above	High	2:35	2:35
	2 cups	Room	Cover: add 2Tbsp. Water	High	3:40	3:40
Cauliflower Florets	1 cup	Room	Same as above	High	2:20	2:20
	whole	Room	Cover: add 2Tbsp. Water Core, cover, add 2 Tbsp. Water	High	7:00	7:00
Frozen Dinners	8-10 oz	Frozen	Follow package instructions	Med.-70%	5:25	4:45
	10-12 oz.	Frozen	Same as above	Med.-70%	7:35	6:45
	12-18 oz.	Frozen	Same as above	Med.-70%	9:05	8:00
Bacon	2 slices	Chilled	Cook between paper towels (not recycled)	High	1:40	1:40
	4 slices	Chilled	Same as above	High	3:40	3:40
	6 slices	Chilled	Same as above	High	4:50	4:50



# COOKING INSTRUCTIONS

FOOD	WEIGHT	START TEMP	METHOD	CM1020B/ CM1022B		CM1012B
				POWER LEVEL	TIME	TIME
Hot dogs	1-2 oz.	Chilled	Add bun last 15 seconds of cooking	Med.-70%	1:10	0:50
	2-4 oz	Chilled	Same as above	Med.-70%	1:55	1:10
	4-8 oz.	Chilled	Add bun last 20 seconds of cooking	Med.-70%	3:10	2:05
Frozen Vegetables	1 cup	Frozen	Cover, add 2 Tbsp. water	High	2:15	2:15
	2 cup	Frozen	Same as above	High	4:10	4:10
	3 cup	Frozen	Same as above	High	7:15	7:15
REHEATING Hamburgers	1-4 oz.	Chilled	Add bun last 15 seconds of cooking	Med.-70%	1:45	1:00
	2-8 oz.	Chilled	Add bun last 15 seconds of cooking	Med.-70%	3:35	2:45
	4-32 oz.	Chilled	Add bun last 25 seconds of cooking	Med.-70%	6:50	4:10
Pizza	1-4 oz.	Chilled	Place on Paper towel	Low-50%	1:45	0:45
	2-8 oz.	Chilled	Place on Paper towel	Low-50%	3:00	1:15
	4-16 oz.	Chilled	Place on Paper towel	Low-50%	5:20	1:50
Fruit Pie	1 slice	Chilled	Do not cover	High	1:00	1:00
	2 slices	Chilled	Same as above	High	1:40	1:40
	4 slices	Chilled	Same as above	High	3:10	3:10
Muffins	1 muffin	Room	Place on paper towel	High	0:12	0:12
	2 muffin	Room	Place on paper towel	High	0:16	0:16
	4 muffin	Room	Place on paper towel	High	0:30	0:30
Rolls	1 roll	Room	Place on paper towel	High	0:06	0:06
	2 roll	Room	Place on paper towel	High	0:10	0:10
	4 roll	Room	Place on paper towel	High	0:16	0:16
Dinner Plate	Small	Chilled	Cover. 3-6 oz. meat, 1/2 C ea.pot.& veg.	Med.-70%	3:45	2:15
	Large	Chilled	Cover. 7-10 oz. meat, 2/3 C ea. Potato/ veg	Med.-70%	4:55	5:30
Casserole	8 oz.	Chilled	Cover; stir half way	Med.-70%	3:35	3:15
	16 oz.	Chilled	Cover; stir half way	Med.-70%	6:15	5:45
	8 oz.	Chilled	Cover; stir half way	Med.-70%	3:30	3:15
	16 oz.	Chilled	Cover; stir half way	Med.-70%	6:00	6:00
	32 oz.	Chilled	Cover; stir half way	Med.-70%	9:30	9:30

## Troubleshooting Guide

Before you call a repair person for your oven, check this list of possible problems and solutions.

### Neither the oven's display nor the oven operate.

- Properly insert the plug into a grounded outlet.
- If the outlet is controlled by a wall switch, make sure the wall switch is turned on.
- Remove the plug from the outlet, wait ten seconds, then plug it in again.
- Reset the circuit breaker or replace any blown fuse.
- Plug another appliance into the outlet; if the other appliance doesn't work, have a qualified electrician repair the outlet.
- Plug the oven into a different outlet.

### The oven's display works, but the power won't come on.

- Make sure the door is closed securely.
- Check to see if packing material or other material is stuck to the door seal.
- Check for door damage.
- Press Cancel twice and re-enter all cooking instructions.

### The power goes off before the set time has elapsed.

- If there has not been a power outage, remove the plug from the outlet, wait ten seconds, then plug it in again. Reset the clock and any cooking instructions.
- Reset the circuit breaker or replace any blown fuse.

### The food is cooking too slowly.

- Make sure the oven is on its own 20 amp circuit line. Operating another appliance on the same circuit can cause a voltage drop. If necessary, move the oven to its own circuit.

### You see sparks or arcing.

- Remove any metallic utensils, cookware, or metal ties. If using foil, use only narrow strips and allow at least one inch between the foil and interior oven walls.

### The turntable makes noises or sticks.

- Clean the turntable, roller ring and oven floor.
- Make sure the turntable and roller ring are positioned correctly.

### Using your microwave causes TV or radio interference.

- This is similar to the interference caused by other small appliances, such as hair dryers. Move your microwave further away from other appliances, like your TV or radio.

## Care and Cleaning

Follow these instructions to clean and care for your oven.

- Keep the inside of the oven clean. Food particles and spilled liquids can stick to the oven walls, causing the oven to work less efficiently.
- Wipe up spills immediately. Use a damp cloth and mild soap. Do not use harsh detergents or abrasives.
- To help loosen baked on food particles or liquids, heat two cups of water (add the juice of one lemon if you desire to keep the oven fresh) in a four-cup measuring glass at High power for five minutes or until boiling. Let stand in the oven for one or two minutes.
- Remove the glass tray from the oven when cleaning the oven or tray. To prevent the tray from breaking, handle it carefully and do not put it in water immediately after cooking. Wash the tray carefully in warm sudsy water or in the dishwasher.
- Clean the outside surface of the oven with soap and a damp cloth. Dry with a soft cloth. To prevent damage to the operating parts of the oven, don't let water seep into the openings.
- Wash the door window with very mild soap and water. Be sure to use a soft cloth to avoid scratching.
- If steam accumulates inside or outside the oven door, wipe with a soft cloth. Steam can accumulate when operating the oven in high humidity and in no way indicates microwave leakage.
- Never operate the oven without food in it; this can damage the magnetron tube or glass tray. You may wish to leave a cup of water in the oven when it is not in use to prevent damage if the oven is accidentally turned on.

If you have a problem you cannot solve, please call our service line:

1-800-SAMSUNG  
(1-800-726-7864)

**SAMSUNG LIGHT-DUTY COMMERCIAL MICROWAVE OVEN (1000 WATT)****LIMITED WARRANTY TO ORIGINAL PURCHASER**

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

**One (1) Year Part and Labor**

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

**On-site Service:** During the one (1) year warranty labor period, on-site service will be provided subject to availability within the contiguous United States. On-site service is not available in all areas. To receive service, the product must be unobstructed and accessible to service personnel. If during on-site service repair can not be completed, it may be necessary to remove, repair and return the product. If on-site service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal commercial use of this product and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or interior and exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; problems caused by pest infestations, and overheating or overcooking by user; glass turntable or ceramic tray; consumables, such as light bulbs; reduced magnetron power output related to normal aging. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

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## APPENDIX

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact: **SAMSUNG ELECTRONICS AMERICA, INC. - WWW.SAMSUNGUSA.COM**

**SAMSUNG CUSTOMER SERVICE**  
**400 VALLEY RD., SUITE 201, MT. ARLINGTON, NJ 07856**  
**Tel: 973-601-6000, Fax: 973-601-6001**  
**1-800-SAMSUNG (1-800-726-7864)**  
**WWW.SAMSGUSUPPORT.COM**

## Specifications

Model Number	CM1022B/CM1020B	CM1012B
Oven Cavity	1.0cuft	1.0cuft
Controls	4 power levels, including defrost	-
Timer	99 minutes, 99 seconds	6 minutes
Power Consumption	1400 W, 13 A	1400 W, 13 A
Power Source	120 VAC, 60 Hz	120 VAC, 60 Hz
Power Output	1000 Watts	1000 Watts
Outside Dimensions	20 <sup>11/32"</sup> (W) X 11 <sup>11/16"</sup> (H) X 14 <sup>11/16"</sup> (D)	20 <sup>11/32"</sup> (W) X 11 <sup>11/16"</sup> (H) X 14 <sup>11/16"</sup> (D)
Oven Cavity Dimensions	13 <sup>7/32"</sup> (W) X 9 <sup>3/32"</sup> (H) X 13 <sup>23/32"</sup> (D)	13 <sup>7/32"</sup> (W) X 9 <sup>3/32"</sup> (H) X 13 <sup>23/32"</sup> (D)
Net/Gross Weight	35.3 / 38.6 lbs	35.3 / 38.6 lbs

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