

ME83D

# Microwave Oven

## Owner's Instructions & Cooking Guide

imagine the possibilities

Thank you for purchasing this Samsung product.

Please be advised that the Samsung warranty does NOT cover service calls to explain product operation, correct improper installation, or perform normal cleaning or maintenance.

**SAMSUNG**



<b>CAUTION</b>					
	Only use utensils that are suitable for use in microwave ovens; DO NOT use any metallic containers, Dinnerware with gold or silver trimmings, Skewers, forks, etc. Remove wire twist ties from paper or plastic bags. Reason: Electric arcing or sparking may occur and may damage the oven.	✓		✓	✓
	Do not use your microwave oven to dry papers or clothes.	✓		✓	✓
	Use shorter times for smaller amounts of food to prevent overheating and burning food.	✓		✓	✓
	Do not immerse the power cable or power plug in water and keep the power cable away from heat.	✓	✓		
	Eggs in their shell and whole hard-boiled eggs should not be heated in microwave ovens since they may explode, even after microwave heating has ended; Also do not heat airtight or vacuum-sealed bottles, jars, containers, nuts in shells, tomatoes etc.			✓	✓
	Do not cover the ventilation slots with cloth or paper. They may catch fire as hot air escapes from the oven. The oven may also overheat and switch itself off automatically, and will remain off until it cools sufficiently.	✓		✓	
	Always use oven mitts when removing a dish from the oven to avoid unintentional burns.			✓	
	Stir liquids halfway during heating or after heating ends and allow the liquid stand at least 20 seconds after heating to prevent eruptive boiling.			✓	
	Stand at arms length from the oven when opening the door to avoid getting scalded by escaping hot air or steam.			✓	

	Do not operate the microwave oven when it is empty. The microwave oven will automatically shut down for 30 minutes for safety purposes. We recommend placing a glass of water inside the oven at all times to absorb microwave energy in case the microwave oven is started accidentally.	✓			✓
	Install the oven in compliance with the clearances stated in this manual. (See installing your microwave oven.)	✓		✓	
	Take care when connecting other electrical appliances to sockets near the oven.	✓	✓	✓	

### PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY. (MICROWAVE FUNCTION ONLY)

Failure to observe the following safety precautions may result in harmful exposure to microwave energy.

- (a) Under no circumstances should any attempt be made to operate the oven with the door open or to tamper with the safety interlocks (door latches) or to insert anything into the safety interlock holes.
- (b) Do NOT place any object between the oven door and front face or allow food or cleaner residues to accumulate on sealing surfaces. Ensure that the door and door sealing surfaces are kept clean by wiping after use first with a damp cloth and then with a soft dry cloth.
- (c) Do NOT operate the oven if it is damaged until it has been repaired by a qualified microwave service technician trained by the manufacturer. It is particularly important that the oven door closes properly and that there is no damage to the:
  - (1) door (bent)
  - (2) door hinges (broken or loose)
  - (3) door seals and sealing surfaces
- (d) The oven should not be adjusted or repaired by anyone other than a properly qualified microwave service technician trained by the manufacturer.

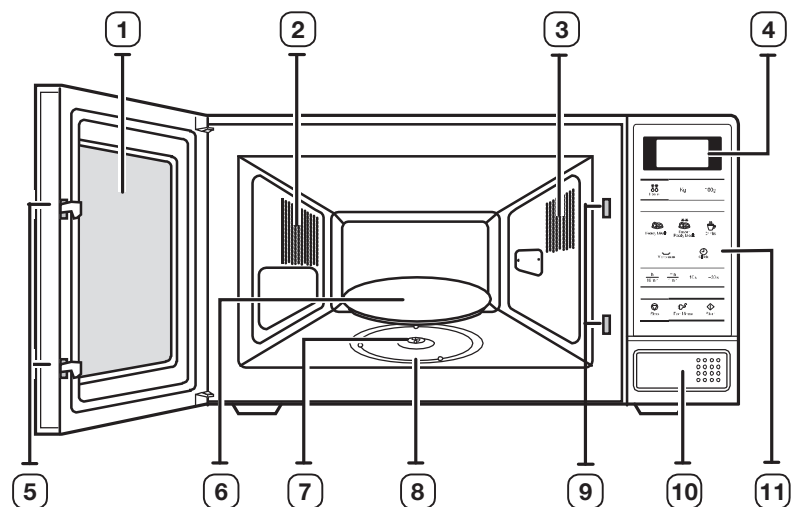
Samsung will charge a repair fee for replacing an accessory or repairing a cosmetic defect if the damage to the unit and/or damage to or loss of the accessory was caused by the customer. Items this stipulation covers include:

- (a) A Dented, Scratched, or Broken Door, Handle, Out-Panel, or Control Panel.
- (b) A Broken or missing Tray, Guide Roller, Coupler, or Wire Rack.

- Use this appliance only for its intended purpose as described in this instruction manual. Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your microwave oven may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service centre or find help and information online at [www.samsung.com](http://www.samsung.com).
- This microwave oven is supposed for heating food. It is intended for domestic home-use only. Do not heat any type of textiles or cushions filled with grains, which could cause burns and fire. The manufacturer cannot be held liable for damage caused by improper or incorrect use of the appliance.
- Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possible result in a hazardous situation.

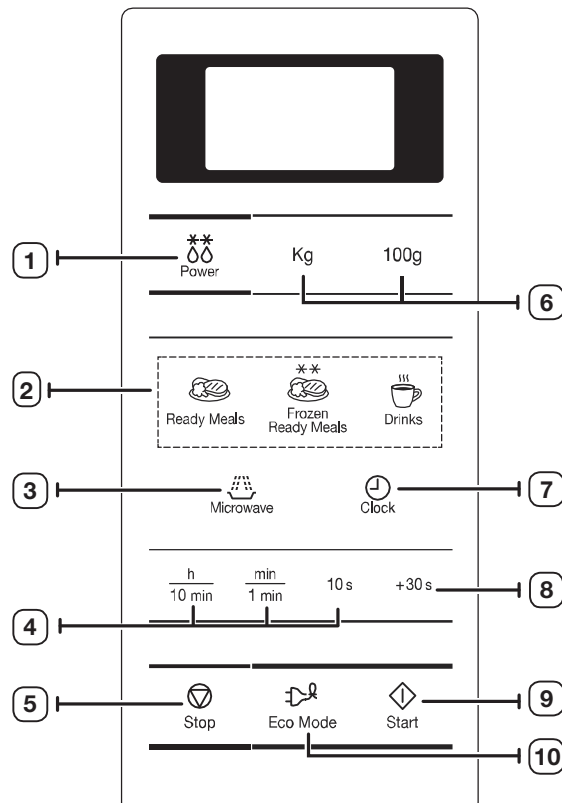
## oven features

### OVEN



- |                      |                           |
|----------------------|---------------------------|
| 1. DOOR              | 6. TURNTABLE              |
| 2. VENTILATION HOLES | 7. COUPLER                |
| 3. LIGHT             | 8. ROLLER RING            |
| 4. DISPLAY           | 9. SAFETY INTERLOCK HOLES |
| 5. DOOR LATCHES      | 10. OPEN DOOR PUSH BUTTON |
|                      | 11. CONTROL PANEL         |

## CONTROL PANEL



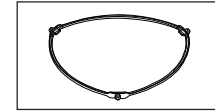
- |   |                        |
|---|------------------------|
| 1. AUTO POWER DEFROST FEATURE SELECTION   | 6. WEIGHT SELECTION    |
| 2. INSTANT REHEAT/COOK FEATURES SELECTION | 7. CLOCK SETTING       |
| 3. MICROWAVE MODE BUTTON                  | 8. +30s BUTTON         |
| 4. TIME SETTING BUTTON                    | 9. START BUTTON        |
| 5. STOP/CANCEL BUTTON                     | 10. ENERGY SAVE BUTTON |

## ACCESSORIES

Depending on the model that you have purchased, you are supplied with several accessories that can be used in a variety of ways.

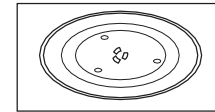
- 1. Roller ring**, to be placed in the centre of the oven.


**Purpose :** The roller ring supports the turntable.



- 2. Turntable**, to be placed on the roller ring with the centre fitting to the coupler.

**Purpose :** The turntable serves as the main cooking surface; it can be easily removed for cleaning.



-  **DO NOT** operate the microwave oven without the roller ring and turntable.

## oven use

### HOW A MICROWAVE OVEN WORKS

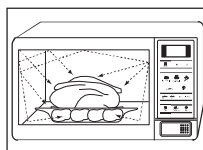
Microwaves are high-frequency electromagnetic waves; the energy released enables food to be cooked or reheated without changing either the form or the colour.


You can use your microwave oven to:

- Defrost
- Instant Reheat/Cook
- Cook

Cooking Principle.

1. The microwaves generated by the magnetron are distributed uniformly as the food rotates on the turntable. The food is thus cooked evenly.
2. The microwaves are absorbed by the food up to a depth of about 1 inch (2.5 cm). Cooking then continues as the heat is dissipated within the food.
3. Cooking times vary according to the recipient used and the properties of the food:
  - Quantity and density
  - Water content
  - Initial temperature (refrigerated or not)



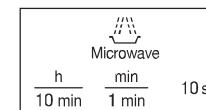
-  As the centre of the food is cooked by heat dissipation, cooking continues even when you have taken the food out of the oven. Standing times specified in recipes and in this booklet must therefore be respected to ensure:
- Even cooking of the food right to the centre
  - The same temperature throughout the food

### CHECKING THAT YOUR OVEN IS OPERATING CORRECTLY

The following simple procedure enables you to check that your oven is working correctly at all times. Open the oven door by pushing the large button in the bottom right-hand corner of the control panel.

First, place a bowl of water on the turntable. Then, close the door.


1. Press the **Power Level** button and set the time to 4-5 minutes by pressing the **1 min** button the appropriate number of times.



2. Press the **Start** button.

**Result :** The oven heats the water for 4 to 5 minutes. The water should then be boiling.





-  The oven must be plugged into an appropriate wall socket. The turntable must be in position in the oven. If a power level other than the maximum is used, the water takes longer to boil.

### SETTING THE TIME

Your microwave oven has an inbuilt clock. When power is supplied, “:0”, “88:88” or “12:00” is automatically displayed on the display.

Please set the current time. The time can be displayed in either the 12-hour or 24-hour notation. You must set the clock:

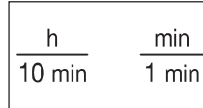
- When you first install your microwave oven
  - After a power failure
-  Do not forget to reset the clock when you switch to and from summer and winter time.
-  **Auto energy saving function**  
If you do not select any function when appliance is in the middle of setting or operating with temporary stop condition, function is canceled and clock will be displayed after 25 minutes.  
Oven Lamp will be turned off after 5 minutes with door open condition.

1. To display the time in the...

24-hour notation.  
12-hour notation.  
Press the **Clock** button once or twice



2. Set the hour with the **h** button and the minutes with the **min** button.



3. When the right time is displayed, press the **Clock** button again to start the clock.

**Result :** The time is displayed whenever you are not using the microwave oven



## COOKING/REHEATING

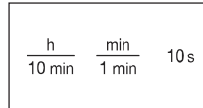
The following procedure explains how to cook or reheat food. ALWAYS check your cooking settings before leaving the oven unattended. First, place the food in the centre of the turntable and close the door.

1. Press the **Power Level** button.

**Result :** The 800 W (maximum cooking power) indications are displayed:  
Select the appropriate power level by pressing the **Power Level** button again until the corresponding wattage is displayed. Refer to the power level table on the side page.



2. Set the cooking time by pressing the **10 min**, **1 min** and **10 s** button.



3. Press the **Start** button.

**Result :** The oven light comes on and the turntable starts rotating.  
Cooking starts and when it has finished the oven beeps four times.



**Never** switch the microwave oven on when it is empty.

## POWER LEVELS

You can choose among the power levels below.

Power Level	Output
HIGH	800 W
MEDIUM HIGH	600 W
MEDIUM	450 W
MEDIUM LOW	300 W
DEFROST	180 W
LOW	100 W

- If you select higher power level, the cooking time must be decreased.
- If you select lower power level, the cooking time must be increased.

## ADJUSTING THE COOKING TIME

You can increase the cooking time by pressing the **+30s** button once for each 30 seconds to be added.

1. Press the **+30s** button once for each 30 seconds to be added.



2. Press the **Start** button.

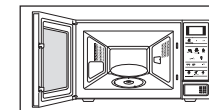


## STOPPING THE COOKING

You can stop cooking at any time to check the food.

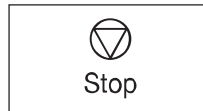
1. To stop temporarily;  
Open the door.

**Result :** Cooking stops. To resume cooking, close the door and press **Start** again.



- To stop completely;  
Press the **Stop** button.

**Result :** The cooking stops.  
If you wish to cancel the cooking settings, press the **Stop** button again.



- You can cancel any setting before starting cooking by simply pressing **Stop** button.

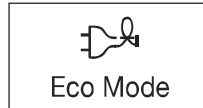
## SETTING THE ENERGY SAVE MODE

The oven has an energy save mode. This facility saves electricity when the oven is not in use. Normal condition is standby mode and show clock when not using.

- Press the **Energy Save** (⏻) button.

**Result :** Display off.

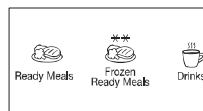
- To remove energy save mode, open the door and then display shows current time. The oven is ready for use.



## USING THE INSTANT REHEAT/COOK FEATURES

With the instant reheat/cook feature, the cooking time is set automatically. You can select the food servings by pressing the appropriate instant reheat/cook features. Cook button the required number of times. First, place the food in the centre of the turntable and close the door.

- Press the **Instant reheat/cook** button which you want the required number of times.



- Press the **Start** button.

**Result :** When it has finished:

- The oven beeps four times.
- The end reminder signal will beep 3 times. (once every minute)
- The current time is displayed again.



- Use only recipients that are microwave-safe.

## USING THE INSTANT REHEAT/COOK PROGRAMMES

The following table presents the various Instant Reheat/Cook Programmes, quantities, standing times and appropriate recommendations.

Food/Button	Serving size	Standing time	Recommendations
 <b>Ready Meals</b>	300-350 g 400-450 g	3 min.	Put on a ceramic plate and cover it with microwave cling film. This programme is suitable for meals consisting of 3 components (e.g. meat with sauce, vegetables and side dish like potatoes, rice or pasta).
 <b>Frozen Ready Meals</b>	300-350 g 400-450 g	4 min.	Take frozen ready meal and check if dish is suitable for microwave. Pierce film of ready meal. Put the frozen ready meal in the centre. This programme is suitable for frozen ready meals consisting of 3 components (e.g. meat with sauce, vegetables and a side dish like potatoes, rice or pasta).
 <b>Drinks</b> (Coffee, milk, tea, water with room temperature)	150 ml (1 cup) 250 ml (1 mug)	1-2 min.	Pour into a ceramic cup and reheat uncovered. Place cup (150 ml) or mug (250 ml) in the centre of turntable. Stir carefully before and after standing time.

## USING THE AUTO POWER DEFROST FEATURE

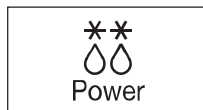
The auto power defrost feature enables you to defrost meat, poultry or fish. The defrost time and power level are set automatically. You simply select the programme and the weight.

 Use only dishes that are microwave-safe.

First, place the frozen food in the centre of the turntable and close the door.

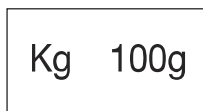
1. Press the **Power Defrost** button.

**Result :** The following indication is displayed:



2. Select the food weight by pressing the **Kg** or **100g** button.

It is possible to set up to a maximum of 1500 g.




3. Press the **Start** button.

**Result :**

- Defrosting begins.
- The oven beeps halfway through defrosting to remind you to turn the food over.
- Press **Start** button again to finish defrosting.






 You can also defrost food manually. To do so, select the microwave cooking/reheating function with a power level of 180 W. Refer to the section entitled "Cooking/Reheating" on page 14 for further details.

## USING THE AUTO POWER DEFROST PROGRAMMES

The following table presents the Power Defrost programme, quantities, standing times and appropriate recommendations.

Remove all kind of package material before defrosting. Place meat, poultry and fish on a flat ceramic plate.


Food	Serving size (g)	Standing time (min.)	Recommendations
 <b>Meat</b>	200-1500	15-60	Shield the edges with aluminium foil. Turn the pieces over, when the oven beeps. This programme is suitable for meat such as steaks, chops or minced meat, chicken pieces, whole chicken or fish fillets.
 <b>Poultry</b>			
 <b>Fish</b>			

## MULTISTAGE COOKING

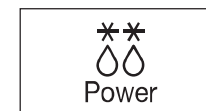
Your microwave oven can be programmed to cook food up to three stages.

**Example:** You wish to defrost food and cook it without having to reset the oven after each stage. You can thus defrost and cook a 500 g fish in three stages:

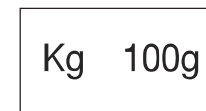
- Defrosting
- Cook I
- Cook II

 You can set between two and three stages in multistage cooking. If you set three stage, the first stage must be defrosting. Don't press **Start** button until you've set the final stage.

1. Press the **Power Defrost** button.



2. Set the weight by pressing the **Kg** or **100g** buttons the appropriate number of times (500 g in the example).



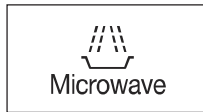




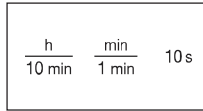
3. Press the **Power Level** button.

The microwave mode (I) :

If necessary, set the power level by pressing the **Power Level** button again one or more times. (600 W in the example)



4. Set the cooking time by pressing the **10 min**, **1 min** and **10 s** buttons the appropriate number of times (4 minutes in the example).

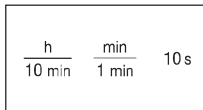


5. Press the **Power Level** button.

The microwave mode (II) : If necessary, set the power level by pressing the **Power Level** button again one or more times. (450 W in the example)



6. Set the cooking time by pressing the **10 min**, **1 min** and **10 s** buttons the appropriate number of times (5 minutes in the example).



7. Press the **Start** button.

**Result :** The three modes [defrosting and cooking (I, II)] are selected on after. According to the defrosting mode that you have chosen, the oven may beep half way through defrosting to remind you to turn the food over.

- When cooking is over, the oven beeps four times.

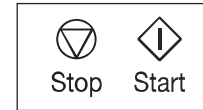


## SWITCHING THE BEEPER OFF

You can switch the beeper off whenever you want.

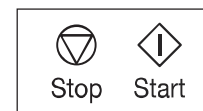
1. Press the **Stop** and **Start** buttons at the same time.

**Result :** The oven will not beep each time you press a button.



2. To switch the beeper back on, press the **Stop** and **Start** buttons again at the same time.

**Result :** The oven operates with the beeper on again.



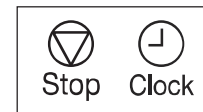
## SAFETY-LOCKING YOUR MICROWAVE OVEN

Your microwave oven is fitted with a special Child Safety programme, which enables the oven to be “locked” so that children or anyone unfamiliar with it cannot operate it accidentally.

The oven can be locked at any time.

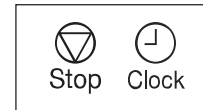
1. Press the **Stop** and **Clock** buttons at the same time.

**Result :** The oven is locked (no functions can be selected).



2. To unlock the oven, press the **Stop** and **Clock** buttons again at the same time.

**Result :** The oven can be used normally.



## cookware guide

To cook food in the microwave oven, the microwaves must be able to penetrate the food, without being reflected or absorbed by the dish used. Care must therefore be taken when choosing the cookware. If the cookware is marked microwave-safe, you do not need to worry.

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

Cookware	Microwave-safe	Comments
<b>Aluminum foil</b>	✓ X	Can be used in small quantities to protect areas against overcooking. Arcing can occur if the foil is too close to the oven wall or if too much foil is used.
<b>Browning plate</b>	✓	Do not preheat for more than eight minutes.
<b>China and earthenware</b>	✓	Porcelain, pottery, glazed earthenware and bone china are usually suitable, unless decorated with a metal trim.
<b>Disposable polyester cardboard dishes</b>	✓	Some frozen foods are packaged in these dishes.
<b>Fast-food packaging</b>		
• Polystyrene cups containers	✓	Can be used to warm food. Overheating may cause the polystyrene to melt.
• Paper bags or newspaper	X	May catch fire.
• Recycled paper or metal trims	X	May cause arcing.
<b>Glassware</b>		
• Oven-to-table ware	✓	Can be used, unless decorated with a metal trim.
• Fine glassware	✓	Can be used to warm foods or liquids. Delicate glass may break or crack if heated suddenly.

Cookware	Microwave-safe	Comments
• Glass jars	✓	Must remove the lid. Suitable for warming only.
<b>Metal</b>		
• Dishes	X	May cause arcing or fire.
• Freezer bag twist ties	X	
<b>Paper</b>		
• Plates, cups, napkins and kitchen paper	✓	For short cooking times and warming. Also to absorb excess moisture.
• Recycled paper	X	May cause arcing.
<b>Plastic</b>		
• Containers	✓	Particularly if heat-resistant thermoplastic. Some other plastics may warp or discolour at high temperatures. Do not use melamine plastic.
• Cling film	✓	Can be used to retain moisture. Should not touch the food. Take care when removing the film as hot steam will escape.
• Freezer bags	✓ X	Only if boilable or oven-proof. Should not be airtight. Prick with a fork, if necessary.
<b>Wax or grease-proof paper</b>	✓	Can be used to retain moisture and prevent spattering.

✓ : Recommended

✓ X : Use caution

X : Unsafe