



Microwave Oven

Owner's Instructions & Cooking Guide

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.



This manual is made with 100 % recycled paper.

imagine the possibilities

Thank you for purchasing this Samsung product.



contents

Safety information	2
Oven features	13
Oven	13
Control panel	14
Accessories	14
Oven use	15
How a microwave oven works	15
Checking that your oven is operating correctly	15
Setting the time	15
Cooking/Reheating	16
Power levels	16
Adjusting the cooking time	16
Stopping the cooking	17
Setting the energy save mode	17
Using the instant reheat/cook features	17
Using the auto power defrost features	18
Multistage cooking	19
Cookware guide	20
Cooking guide	21
Troubleshooting and error code	22
Troubleshooting	22
Error code	22
Technical specifications	23

safety information

USING THIS INSTRUCTION BOOKLET

You have just purchased a SAMSUNG microwave oven. Your Owner's Instructions contain valuable information on cooking with your microwave oven:

- Safety precautions
- Suitable accessories and cookware
- Useful cooking tips
- Cooking tips

LEGEND FOR SYMBOLS AND ICONS

	WARNING	Hazards or unsafe practices that may result in severe personal injury or death.	
	CAUTION	Hazards or unsafe practices that may result in minor personal injury or property damage.	
	Warning; Fire hazard		Warning; Hot surface
	Warning; Electricity		Warning; Explosive material
	Do NOT attempt.		Do NOT touch.
	Do NOT disassemble.		Follow directions explicitly.
	Unplug the power plug from the wall socket.		Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.		Note
	Important		

IMPORTANT SAFETY INSTRUCTIONS

READ CAREFULLY AND KEEP FOR FUTURE REFERENCE.

Make sure that these safety precautions are obeyed at all times.

Before using the oven, confirm that the following instructions are followed.

⚠ WARNING (Microwave function only)	
☐	WARNING: If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person.
☐	WARNING: It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.
☑	This appliance is intended to be used in household only.

★	WARNING: Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.
★	WARNING: This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children unless they are aged from 8 years and above and supervised.
★	Only use utensils that are suitable for use in microwave ovens.
★	When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignitions.

★	The microwave oven is intended for heating food and beverages. Drying of food or clothing and heating of warming pads, slippers, sponges, damp cloth and similar may lead to risk of injury, ignition or fire.
☞	If smoke is emitted, switch off or unplug the appliance and keep the door closed in order to stifle any flames.
★	WARNING: Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container.
★	WARNING: The contents of feeding bottles and baby food jars shall be stirred or shaken and the temperature checked before consumption, in order to avoid burns.
☒	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.
★	The oven should be cleaned regularly and any food deposits removed.

☞	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 possibly result in a hazardous situation.
☒	The appliance is not intended for installing in road vehicles, caravans and similar vehicles etc.
★	This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
★	Children should be supervised to ensure that they do not play with the appliance.
☞	If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
☒	WARNING: Liquids and other foods must not be heated in sealed containers since they are liable to explode;

	The appliance should not be cleaned with a water jet.
	This oven should be positioned proper direction and height permitting easy access to cavity and control area.
	Before using the your oven first time, oven should be operated with the water during 10 minute and then used.
	If the oven generates a strange noise, a burning smell, or smoke is emitted, unplug the power plug immediately and contact your nearest service center.
	The microwave oven has to be positioned so that plug is accessible.
	The microwave oven is intended to be used on the counter or counter top use only, the microwave oven shall not be placed in a cabinet.

 **WARNING (Oven function only) - Optional**

	WARNING: When the appliance is operated in the combination mode, children should only use the oven under adult supervision due to the temperatures generated.
---	--

	During use the appliance becomes hot. Care should be taken to avoid touching heating elements inside the oven.
	WARNING: Accessible parts may become hot during use. Young children should be kept away.
	A steam cleaner is not to be used.
	WARNING: Ensure that the appliance is switched off before replacing the lamp to avoid the possibility of electric shock.
	WARNING: The appliance and its accessible parts become hot during use. Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.
	The temperature of accessible surfaces may be high when the appliance is operating.
	The door or the outer surface may get hot when the appliance is operating.
	Keep the appliance and its cord out of reach of children less than 8 years.

★	This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
☐	Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.
☐	Appliances are not intended to be operated by means of an external timer or separate remote-control system.

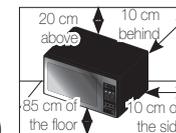
This product is a Group 2 Class B ISM equipment. The definition of group 2 which contains all ISM equipment in which radio-frequency energy is intentionally generated and/or used in the form of electromagnetic radiation for the treatment of material, and

EDM and arc welding equipment. For Class B equipment is equipment suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

INSTALLING YOUR MICROWAVE OVEN

Place the oven on a flat level surface 85 cm above the floor. The surface should be strong enough to safely bear the weight of the oven.

1. When you install your oven, make sure there is adequate ventilation for your oven by leaving at least 10 cm (4 inches) of space behind and, on the sides of the oven and 20 cm (8 inches) of space above.
2. Remove all packing materials inside the oven.
3. Install the roller ring and turntable. Check that the turntable rotates freely. (Turntable type model only)
4. This microwave oven has to be positioned so that plug is accessible.



- ☒ If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
For your personal safety, plug the cable into a proper AC earthed socket.
- ☒ Do not install the microwave oven in hot or damp surroundings like next to a traditional oven or radiator. The power supply specifications of the oven must be respected and any extension cable used must be of the same standard as the power cable supplied with the oven. Wipe the interior and the door seal with a damp cloth before using your microwave oven for the first time.

CLEANING YOUR MICROWAVE OVEN

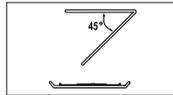
The following parts of your microwave oven should be cleaned regularly to prevent grease and food particles from building up:

- Inside and outside surfaces
- Door and door seals
- Turntable and Roller rings
(Turntable type model only)

- ☒ **ALWAYS** ensure that the door seals are clean and the door closes properly.
 - ☒ 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 possibly result in a hazardous situation.
1. Clean the outside surfaces with a soft cloth and warm, soapy water. Rinse and dry.
 2. Remove any splashes or stains on the inside surfaces of oven with a soapy cloth. Rinse and dry.
 3. To loosen hardened food particles and remove smells, place a cup of diluted lemon juice in the oven and heat for ten minutes at maximum power.
 4. Wash the dishwasher-safe plate whenever necessary.
- ☒ **DO NOT** spill water in the vents. **NEVER** use any abrasive products or chemical solvents. Take particular care when cleaning the door seals to ensure that no particles:
 - Accumulate
 - Prevent the door from closing correctly

- ☑ **Clean** the microwave oven cavity right after each use with a mild detergent solution, but let the microwave oven cool down before cleaning in order to avoid injury.

When cleaning the upper part inside the cavity, it will be convenient to turn heater downward by 45 ° and clean it. (Swing heater model only)



STORING AND REPAIRING YOUR MICROWAVE OVEN

A few simple precautions should be taken when storing or having your microwave oven serviced.

The oven must not be used if the door or door seals are damaged:

- Broken hinge
- Deteriorated seals
- Distorted or bent oven casing

Only a qualified microwave service technician should perform repair.

- ☑ **NEVER** remove the outer casing from the oven. If the oven is faulty and needs servicing or you are in doubt about its condition:

- Unplug it from the wall socket
- Contact the nearest after-sales service centre

- ☑ If you wish to store your oven away temporarily, choose a dry, dustfree place. **Reason :** Dust and damp may adversely affect the working parts in the oven.

- ☑ This microwave oven is not intended for commercial use.

- ☑ The Light bulb should not be replaced in person for safety reasons. Please contact nearest authorised Samsung customer care, to arrange for a qualified engineer to replace the bulb.

⚠ WARNING		🔥	⚡	🚫	👤
🔧	Only qualified staff should be allowed to modify or repair the appliance.	✓	✓	✓	✓
📦	Do not heat liquids and other food in sealed containers for microwave function.	✓	✓	✓	✓
🚰	For your safety, do not use high-pressure water cleaners or steam jet cleaners.	✓	✓	✓	✓
📍	Do not install this appliance; near heater, inflammable material; in a humid, oily or dusty location, in a location exposed to direct sunlight and water or where gas may leak; on un level ground.	✓	✓	✓	✓
🏠	This appliance must be properly grounded in accordance with local and national codes.	✓	✓	✓	✓

English - 8

<input checked="" type="checkbox"/>	Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.	✓	✓	✓	✓
<input type="checkbox"/>	Do not pull or excessively bend or place heavy object on the power cord.	✓	✓	✓	✓
<input checked="" type="checkbox"/>	In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug.	✓	✓	✓	✓
<input type="checkbox"/>	Do not touch the power plug with wet hands.	✓	✓	✓	✓
<input type="checkbox"/>	Do not turn the appliance off by unplugging the power plug while an operation is in progress.	✓	✓	✓	✓
<input type="checkbox"/>	Do not insert fingers or foreign substances. If any foreign substance such as water has entered the appliance, unplug the power plug and contact your nearest service centre.	✓	✓	✓	✓
<input type="checkbox"/>	Do not apply excessive pressure or impact to the appliance.	✓	✓	✓	✓
<input type="checkbox"/>	Do not place the oven over a fragile object such as a sink or glass object.	✓	✓		
<input type="checkbox"/>	Do not use benzene, thinner, alcohol, steam cleaner or high pressure cleaner to clean the appliance.	✓	✓	✓	✓
<input type="checkbox"/>	Ensure that the power voltage, frequency and current are the same as those of the product specifications.	✓	✓		✓
<input type="checkbox"/>	Plug the power plug into the wall socket firmly. Do not use a multiple plug adapter, an extension cord or an electric transformer.	✓	✓	✓	
<input type="checkbox"/>	Do not hook the power cord on a metal object, insert the power cord between the objects or behind the oven.	✓	✓	✓	

<input type="checkbox"/>	Do not use a damaged power plug, damaged power cord or loose wall socket. When the power plug or power cord is damaged, contact your nearest service centre.	✓	✓	✓	✓
<input type="checkbox"/>	Do not pour or directly spray water onto the oven.	✓	✓		
<input type="checkbox"/>	Do not place objects on the oven, inside or on the door of the oven.	✓	✓	✓	
<input type="checkbox"/>	Do not spray volatile material such as insecticide onto the surface of the oven.	✓	✓		
<input type="checkbox"/>	Do not store flammable materials in the oven. Take special care when heating dishes or drinks that contain alcohol as alcohol vapours may contact a hot part of the oven.	✓		✓	✓
<input checked="" type="checkbox"/>	Keep children away from the door when opening or closing it as they may bump themselves on the door or catch their fingers in the door.	✓	✓	✓	✓
<input checked="" type="checkbox"/>	WARNING: Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container; To prevent this situation ALWAYS allow a standing time of at least 20 seconds after the oven has been switched off so that the temperature can equalize. Stir during heating, if necessary, and ALWAYS stir after heating. In the event of scalding, follow these FIRST AID instructions: <ul style="list-style-type: none"> Immerse the scalded area in cold water for at least 10 minutes. Cover with a clean, dry dressing. Do not apply any creams, oils or lotions. 	✓	✓	✓	✓
<input type="checkbox"/>	Do not put the tray or rack in water shortly after cooking because it may cause breakage or damage of the tray or rack.				✓

	Do not operate the microwave oven for deep fat frying because the oil temperature cannot be controlled. This could result in a sudden boil over of the hot liquid.	✓			✓
--	---	---	--	--	---

CAUTION					
	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.
 - 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.



CORRECT DISPOSAL OF THIS PRODUCT (WASTE ELECTRICAL & ELECTRONIC EQUIPMENT)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

INSTALLATION & WIRING INSTRUCTIONS

IMPORTANT NOTE :

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse.

The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BS1363 of the same rating must be used.

Never use the plug with the fuse cover omitted if the cover is detachable. If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug.

Replacement covers are available from your Dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your Dealer for assistance. However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a mains socket, as there is a risk of shock hazard from the bared flexible cord.

WIRING INSTRUCTIONS

WARNING THIS APPLIANCE MUST BE EARTHED.

This appliance must be earthed. In the event of an electrical short circuit, earthing reduces the risk of electric shock providing an escape wire for the electric current. The appliance is equipped with a mains lead which includes an earth wire for connecting to the earth terminal of your mains plug. The plug must be plugged into a socket that is properly installed and earthed.

-  The wires in this mains lead are coloured in accordance with the following code:
- Green and yellow : Earth
 - Blue : Neutral
 - Brown : Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

Connect the green and yellow wire to the terminal in the plug marked with the letter E or the earth symbol (\perp) or coloured green or green-and-yellow.

Connect the blue wire to the terminal marked with the letter N or coloured black.

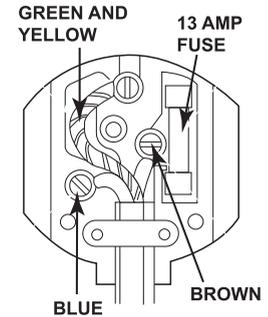
-  Consult a qualified electrician or service technician if in doubt about any of these instructions.

The manufacturer of this oven will not accept any liability for damage to persons or material for non observance of these requirements.

There are no user-serviceable parts inside the oven and if the mains lead of this appliance is damaged, it must only be replaced by qualified service personnel approved by the manufacturer because special tools are required.

 **WARNING :** Ensure that the plug and power cord are not damaged before use. If you have any reason to remove the moulded plug from this appliance, immediately remove the fuse and dispose of the plug. Do not connect the plug to a mains socket under any circumstances as there is a danger of electric shock.

 **WARNING :** **CIRCUITS :** Your microwave oven should be operated on a separate circuit from other appliances. Failure to do this may cause the circuit breaker to trip, the fuse to blow, or the food to cook more slowly.



COOKING INSTRUCTIONS ON FOOD PACKAGING

Microwave Symbols

On the front of your oven there is a microwave oven symbol, as shown below.

This symbol has been introduced for your benefit when cooking or reheating packaged food.



Packaged food is also, increasingly, using a microwave symbol similar to the one below. When you see this



Symbol on food packaging, the cooking instructions are based on either the IEC Power Output Rating, or the Reheating Categories A, B, C, D or E.

COOKING INSTRUCTIONS

The IEC Power Output rating is an internationally standardised rating, so all microwave manufacturers now use the same method of measuring power output.

If food packaging gives cooking instructions based on IEC Power ratings, set cooking times according to the IEC Power of your oven.

For example :

If the cooking instructions are based on a 650 W oven, then you will need to reduce some cooking time for the ME83X (800 W).

Ready meals are now very convenient and popular. These are meals which are already prepared and cooked by the food manufacturer, and then frozen, chilled or vacuum sealed for long life.

Increasingly, heating times for such ready meals are being based on the Heating Categories A, B, C, D and E.

On this instance, simply match the heating category of your oven to the instructions on the food package, and set your timer accordingly.

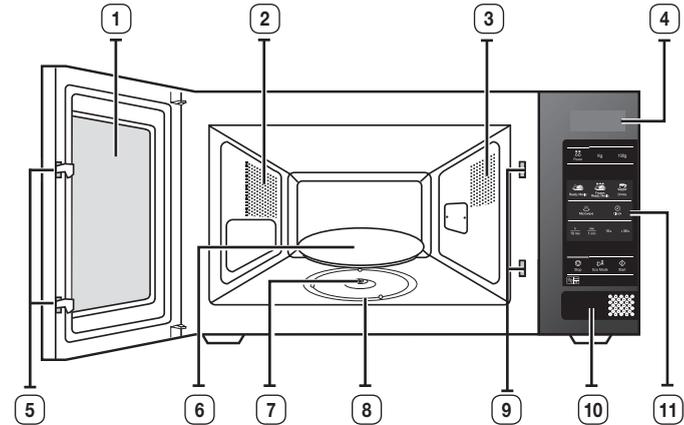
For example :

If the heating instructions are 3 minutes on HIGH for a D category oven, then you will need to set your timer for less than 3 minutes on HIGH for the ME83X (E category).

- ☑ Always remember that cooking instructions are intended only as a guide. If you have followed the instructions and the food is still not piping hot throughout, simply return it to the oven and cook it until it is.

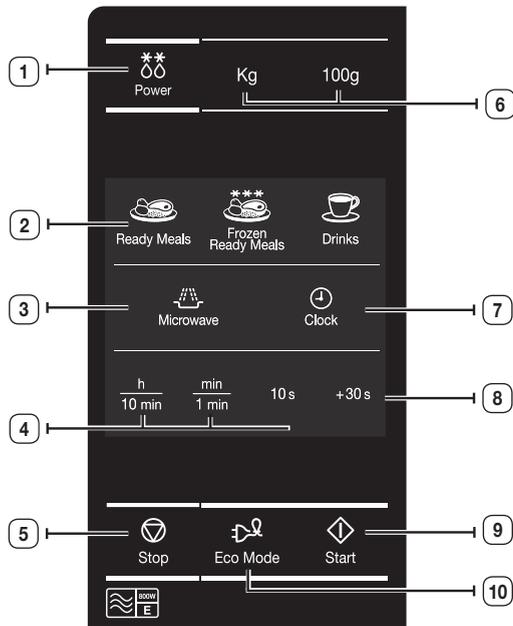
oven features

OVEN



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

CONTROL PANEL



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

	<p>1. Roller ring, to be placed in the centre of the oven. Purpose: The roller ring supports the turntable.</p>
	<p>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.</p>

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

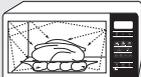
HOW A MICROWAVE OVEN WORKS

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

You can use your microwave oven to:

- Defrost (manual & auto)
- Cook
- Reheat

Cooking Principle.

	<p>1. The microwaves generated by the magnetron are distributed uniformly as the food rotates on the turntable. The food is thus cooked evenly.</p>
	<p>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.</p>
	<p>3. Cooking times vary according to the recipient used and the properties of the food:</p> <ul style="list-style-type: none"> • 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 pulling the handle on the right side of the door. Place a glass of water on the turntable. Then, close the door.

	<p>1. Press the Microwave button and set the time to 4-5 minutes by pressing the 1 min button the appropriate number of times.</p>
	<p>2. Press the Start button. Result: The oven heats the water for 4 to 5 minutes. The water should then be boiling.</p>

 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 24-hour or 12-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.

	<p>1. To display the time in the... 24-hour notation 12-hour notation Press the Clock button once or twice.</p>
---	--

(continued)

<table border="1"> <tr> <td style="text-align: center;">h</td> <td style="text-align: center;">min</td> </tr> <tr> <td style="text-align: center;">10 min</td> <td style="text-align: center;">1 min</td> </tr> </table>	h	min	10 min	1 min	<p>2. Set the hour with the h button and the minutes with the min button.</p>
h	min				
10 min	1 min				
 Clock	<p>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.</p>				

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. Then, close the door.

 Microwave	<p>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 next page.</p>						
<table border="1"> <tr> <td style="text-align: center;">h</td> <td style="text-align: center;">min</td> <td style="text-align: center;">10 s</td> </tr> <tr> <td style="text-align: center;">10 min</td> <td style="text-align: center;">1 min</td> <td></td> </tr> </table>	h	min	10 s	10 min	1 min		<p>2. Set the cooking time by pressing the 10 min, 1 min and 10 s button.</p>
h	min	10 s					
10 min	1 min						
 Start	<p>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.</p>						

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

 If you wish to heat a dish for a short period of time at maximum power (800 W), simply press the **START/+30s** button once for each 30 seconds of cooking time. The oven starts immediately.

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/KEEP WARM	100 W

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

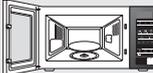
 If you select lower power level, the cooking time must be increased.

ADJUSTING THE COOKING TIME

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

STOPPING THE COOKING

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

	<ol style="list-style-type: none"> To stop temporarily; Open the door. Result: Cooking stops. To resume cooking, close the door and press the Start button again.
 Stop	<ol style="list-style-type: none"> 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.

 Eco Mode	<ul style="list-style-type: none"> Press the Eco Mode button. Result: Display off. To remove energy save mode, open the door and then display shows current time. The oven is ready for use.
---	--

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.

USING THE INSTANT REHEAT/COOK FEATURES

With the instant reheat/cook features, 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.

	<ol style="list-style-type: none"> Press the Instant Reheat/Cook button which you want the required number of times.
 Start	<ol style="list-style-type: none"> Press the Start button. Result: When it has finished: <ol style="list-style-type: none"> 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.

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

Food/Button	Serving size	Instructions
 Ready Meals	300-350 g 400-450 g	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). Stand for 3 minutes.
 Frozen Ready Meals	300-350 g 400-450 g	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). Stand for 4 minutes.
 Drinks (Coffee, milk, tea, water with room temperature)	150 ml (1 cup) 250 ml (1 mug)	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. Stand for 1 to 2 minutes.

 Use oven gloves while taking out!

USING THE AUTO POWER DEFROST FEATURES

The auto power defrost features enables you to defrost meat, poultry, fish or fruit/berry. 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.

 Power	1. Press the Power Defrost button. Result : The following indication is displayed: 
Kg 100g	2. Select the food weight by pressing the Kg or 100 g button. It is possible to set up to a maximum of 1500 g.
 Start	3. Press the Start button. Result : <ul style="list-style-type: none"> • 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 16 for further details.

The following table presents the various Auto power Defrost programmes, quantities and appropriate Instructions. Remove all kinds of package material before defrosting. Place meat, poultry, fish, bread/cake on a ceramic plate.

Code/Food	Serving Size	Instructions
1 Meat	200-1500 g	Shield the edges with aluminium foil. Turn the meat over when the oven beeps. This programme is suitable for beef, lamb, pork, steaks, chops and minced meat. Stand for 20-60 minutes.
2 Poultry	200-1500 g	Shield the leg and wing tips with aluminium foil. Turn the poultry over when the oven beeps. This programme is suitable for whole chicken and chicken portions. Stand for 20-60 minutes.
3 Fish	200-1500 g	Shield the tail of the whole fish with aluminium foil. Turn the fish over when the oven beeps. This programme is suitable for whole fishes and fish filets. Stand for 20-50 minutes.

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.

 Power	1. Press the Power Defrost button.
Kg 100g	2. Set the weight by pressing the Kg or 100 g buttons the appropriate number of times (500 g in the example).

 Microwave	3. Press the Microwave button. The microwave mode (I) : if necessary, set the power level by pressing the Microwave button again one or more times. (600 W in the example)
$\frac{h}{10 \text{ min}}$ $\frac{min}{1 \text{ min}}$ 10 s	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).
 Microwave	5. Press the Microwave button. The microwave mode (II) : if necessary, set the power level by pressing the Microwave button again one or more times. (450 W in the example)
$\frac{h}{10 \text{ min}}$ $\frac{min}{1 \text{ min}}$ 10 s	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).
 Start	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. <ul style="list-style-type: none"> • When cooking is over, the oven beeps four times.

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
Aluminum foil	✓ 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.
Crust plate	✓	Do not preheat for more than 8 minutes.
China and earthenware	✓	Porcelain, pottery, glazed earthenware and bone china are usually suitable, unless decorated with a metal trim.
Disposable polyester cardboard dishes	✓	Some frozen foods are packaged in these dishes.
Fast-food packaging		
• 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.

Cookware	Microwave-safe	Comments
Glassware		
• Oven-to-tableware	✓	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.
• Glass jars	✓	Must remove the lid. Suitable for warming only.
Metal		
• Dishes	x	May cause arcing or fire.
• Freezer bag twist ties	x	
Paper		
• Plates, cups, napkins and kitchen paper	✓	For short cooking times and warming. Also to absorb excess moisture.
• Recycled paper	x	May cause arcing.
Plastic		
• 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.
Wax or grease-proof paper	✓	Can be used to retain moisture and prevent spattering.

✓ : Recommended

✓ x : Use Caution

x : Unsafe

cooking guide

MICROWAVES

Microwave energy actually penetrates food, attracted and absorbed by its water, fat and sugar content.

The microwaves cause the molecules in the food to move rapidly. The rapid movement of these molecules creates friction and the resulting heat cooks the food.

COOKING

Cookware for microwave cooking:

Cookware must allow microwave energy to pass through it for maximum efficiency. Microwaves are reflected by metal, such as stainless steel, aluminium and copper, but they can penetrate through ceramic, glass, porcelain and plastic as well as paper and wood. So food must never be cooked in metal containers.

Food suitable for microwave cooking:

Many kinds of food are suitable for microwave cooking, including fresh or frozen vegetables, fruit, pasta, rice, grains, beans, fish, and meat. Sauces, custard, soups, steamed puddings, preserves, and chutneys can also be cooked in a microwave oven. Generally speaking, microwave cooking is ideal for any food that would normally be prepared on a hob. Melting butter or chocolate, for example (see the chapter with tips, techniques and hints).

Covering during cooking

To cover the food during cooking is very important, as the evaporated water rises as steam and contributes to cooking process. Food can be covered in different ways: e.g. with a ceramic plate, plastic cover or microwave suitable cling film.

Standing times

After cooking is over food the standing time is important to allow the temperature to even out within the food.

Reheating Liquids and Food

Use the power levels and times in this table as a guide lines for reheating.

Food	Serving Size	Power	Time (min.)
Drinks (Coffee, Tea and Water)	150 ml (1 cup)	800 W	1-1½
	250 ml (1 mug)		1½-2
Instructions			
Pour into cup and reheat uncovered. Put cup/ mug in the centre of turntable. Keep in microwave oven during standing time and stir well. Stand for 1-2 minutes.			
Soup (Chilled)	250 g	800 W	3-3½
	Instructions		
Pour into a deep ceramic plate. Cover with plastic lid. Stir well after reheating. Stir again before serving. Stand for 2-3 minutes.			
Stew (Chilled)	350 g	600 W	5½-6½
	Instructions		
Put stew in a deep ceramic plate. Cover with plastic lid. Stir occasionally during reheating and again before standing and serving. Stand for 2-3 minutes.			
Pasta with Sauce (Chilled)	350 g	600 W	4½-5½
	Instructions		
Put pasta (e.g. spaghetti or egg noodles) on a flat ceramic plate. Cover with microwave cling film. Stir before serving. Stand for 3 minutes.			
Filled Pasta with Sauce (Chilled)	350 g	600 W	5-6
	Instructions		
Put filled pasta (e.g. ravioli, tortellini) in a deep ceramic plate. Cover with plastic lid. Stir occasionally during reheating and again before standing and serving. Stand for 3 minutes.			
Plated Meal (Chilled)	350 g	600 W	5½-6½
	Instructions		
Plate a meal of 2-3 chilled components on a ceramic dish. Cover with microwave cling-film. Stand for 3 minutes.			
Pasta (Frozen) (Cannelloni, Macaroni, Lasagne)	400 g	450 W	16-16½
	Instructions		
Put frozen pasta into a small flat rectangular glass pyrex dish. Put the dish directly on the turntable. Stand for 2-3 minutes.			

English - 21

troubleshooting and error code

TROUBLESHOOTING

If you have any of the problems listed below try the solutions given.

This is normal.

- Condensation inside the oven.
- Air flow around the door and outer casing.
- Light reflection around the door and outer casing.
- Steam escaping from around the door or vents.

The oven does not start when you press the **START/+30s** button.

- Is the door completely closed?

The food is not cooked at all.

- Have you set the timer correctly and/or pressed the **START/+30s** button?
- Is the door closed?
- Have you overloaded the electric circuit and caused a fuse to blow or a breaker to be triggered?

The food is either overcooked or undercooked.

- Was the appropriate cooking length set for the type of food?
- Was an appropriate power level chosen?

The light bulb is not working.

- The Light bulb should not be replaced in person for safety reasons. Please contact nearest authorised Samsung customer care, to arrange for a qualified engineer to replace the bulb.

The oven causes interference with radios or televisions.

- Slight interference may be observed on televisions or radios when the oven is operating. This is normal. To solve this problem, install the oven away from televisions, radios and aerials.
- If interference is detected by the oven's microprocessor, the display may be reset. To solve this problem, disconnect the power plug and reconnect it. Reset the time.

Sparking and cracking occur inside the oven (arcing).

- Have you used a dish with metal trimmings?
- Have you left a fork or other metal utensil inside the oven?
- Is aluminum foil too close to the inside walls?

Smoke and bad smell when initial operating.

- It's a temporary condition by new component heating. Smoke and smell will disappear completely after 10 minutes operation.
To remove smell more quickly, please operate microwave oven with putting lemon formation or lemon juice in the cabinet.

 If the above guidelines do not enable you to solve the problem, then contact your local SAMSUNG customer service centre.
Please have the following information read;

- The model and serial numbers, normally printed on the rear of the oven
- Your warranty details
- A clear description of the problem

Then contact your local dealer or SAMSUNG aftersales service.

ERROR CODE

"SE" message indicates.

- Clean the keys and check if there is water on the surface around key. Turn off the microwave oven and try setting again. If it occurs again, call your local SAMSUNG Customer Care Centre.

"E-12" message indicates.

- The "E-12" message is Gas Sensor Short. This error may occur because of the high humidity in the cavity when you operate the microwave oven once again shortly after the previous operation of microwave oven for some food is finished. In this case, because there is a possibility that the Gas Sensor is not out of order turn off the microwave oven and try setting again. If this error occurs again, call your local SAMSUNG Customer Care Centre.

 For any codes not listed above, or if the suggested solution does not solve the problem, contact your local SAMSUNG Customer Care Centre.

technical specifications

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

Model	ME83X
Power source	230 V ~ 50 Hz
Power consumption Microwave	1150 W
Output power	100 W / 800 W (IEC-705) - 240 V : 800 W - 230 V : 750 W
Operating frequency	2450 MHz
Magnetron	OM75S (31)
Cooling method	Cooling fan motor
Dimensions (W x H x D) Outside Oven cavity	489 x 275 x 374 mm 330 x 211 x 324 mm
Volume	23 liter
Weight Net	12 kg approx

MEMO



QUESTIONS OR COMMENTS

COUNTRY	CALL	OR VISIT US ONLINE AT
AUSTRIA	0800 - SAMSUNG (0800 - 7267864)	www.samsung.com/at/support
BELGIUM	02-201-24-18	www.samsung.com/be/support (Dutch) www.samsung.com/be_fr/support (French)
DENMARK	70 70 19 70	www.samsung.com/dk/support
FINLAND	030-6227 515	www.samsung.com/fi/support
FRANCE	01 48 63 00 00	www.samsung.com/fr/support
GERMANY	0180 6 SAMSUNG bzw. 0180 6 7267864* (*0,20 €/Anruf aus dem dt. Festnetz, aus dem Mobilfunk max. 0,60 €/Anruf)	www.samsung.com/de/support
ITALIA	800-SAMSUNG (800.7267864)	www.samsung.com/it/support
CYPRUS	8009 4000 only from landline, toll free	www.samsung.com/gr/support
GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	
LUXEMBURG	261 03 710	www.samsung.com/support
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com/nl/support
NORWAY	815 56480	www.samsung.com/no/support
PORTUGAL	808 20 7267	www.samsung.com/pt/support
SPAIN	0034902172678	www.samsung.com/es/support
SWEDEN	0771 726 7864 (SAMSUNG)	www.samsung.com/se/support
SWITZERLAND	0848 726 78 64 (0848-SAMSUNG)	www.samsung.com/ch/support (German) www.samsung.com/ch_fr/support (French)
U.K	0330 SAMSUNG (7267864)	www.samsung.com/uk/support
EIRE	0818 717100	www.samsung.com/ie/support

DE68-04055G-01