



MS28F303E** MS28F304E**

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.



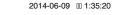
This manual is made with 100 % recycled paper.

imagine the possibilities

Thank you for purchasing this Samsung product.









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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**.



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

English - 2



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: 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 plasitic 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.





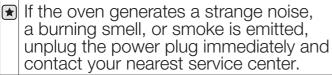


- If smoke is emitted, switch off or unplug the appliance and keep the door closed in order to stifle any flames.
- **WARNING:** Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container.
- warning: The contents of feeding bottles 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 deposites 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.







- 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.
- \square 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.

- 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.





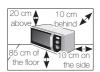
- The temperature of accessible surfaces may be high when the appliance is operating.
- The door or the outer surface may get hot when the appliance is operating.
- Figure 4. Keep the appliance and its cord out of reach of children less than 8 years.
- Appliances are not intended to be operated by means 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 safety 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.

Λ	WARNING	Δ	A		N.
\boxtimes	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.	~	✓	✓	✓
Ð	This appliance must be properly grounded in accordance with local and national codes.	✓	~	√	✓
*	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.	✓	✓	✓	✓

English - 8



	Do not pull or excessively bend or place heavy objecton the power cord.	~	~	~	~
*	In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power plug.	✓	√	✓	✓
8	Do not touch the power plug with wet hands.	~	~	~	~
	Do not turn the appliance off by unplugging the power plug while an operation is in progress.	✓	~	~	~
•	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.	~	✓	~	~
	Do not apply excessive pressure or impact to the appliance.	~	~	~	~
	Do not place the oven over a fragile object such as a sink or glass object.	~	~		
	Do not use benzene, thinner, alcohol, steam cleaner or high pressure cleaner to clean the appliance.	~	~	✓	~
	Ensure that the power voltage, frequency and current are the same as those of the product specifications.	✓	~		~
	Plug the power plug into the wall socket firmly. Do not use a multiple plug adapter, an extension cord or an electric transformer.	✓	✓	✓	
	Do not hook the power cord on a metal object, insert the power cord between the objects or behind the oven.	✓	~	~	
	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.	~	✓	~	~
	Do not pour or directly spray water onto the oven.	✓	√		

	Do not place objects on the oven, inside or on the door of the oven.	~	~	~	
	Do not spray volatile material such as insecticide onto the surface of the oven.	~	✓		
	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.	~		✓	✓
*	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.	~	✓	✓	√
*	 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: 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. 		✓	~	~
	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.	~			✓
				_	

English - 9





A	CAUTION	Δ	A		<u>k</u>
*	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 inshells, 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.	✓		✓	
8	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.

PROTECTION DE L'ENVIRONNEMENT

Prenez soin de déposer l'emballage de votre appareil dans un centre de recyclage de type point vert.



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.

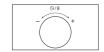
quick look-up quide

If you want to cook some food.

 Place the food in the oven.
 Select the power level by rotating the COOKING POWER CONTROL knob.



2. Select the cooking time by rotating the **TIME/ WEIGHT** ((7)/9) dial.



Result:

Cooking starts after about two seconds.

If you want to auto defrost some food.

 Turn the COOKING POWER CONTROL knob to the Auto Defrost (δδ) symbol.



2. Turn the **TIME/WEIGHT** (①/9) dial to select the appropriate weight.



Result:

Cooking starts after about two

seconds.

If you want to adjust the cooking time.

Leave the food in the oven.

Turn the **TIME/WEIGHT** ((^) / (^) dial to the desired time.

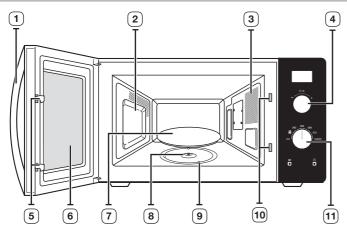






oven features

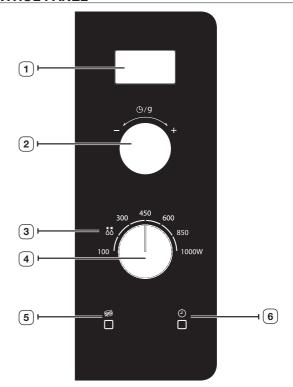
OVEN



- 1. DOOR HANDLE
- 2. VENTILATION HOLES
- 3. LIGHT
- 4. TIMER KNOB
- 5. DOOR LATCHES
- 6. DOOR

- 7. TURNTABLE
- 8. COUPLER
- 9. ROLLER RING
- 10. SAFETY INTERLOCK HOLES
- 11. VARIABLE COOKING
 POWER CONTROL KNOB

CONTROL PANEL



- 1. DISPLAY
- 2. TIME / WEIGHT DIAL
- 3. AUTO DEFROST

- **4.** VARIABLE COOKING POWER CONTROL KNOB
- 5. TURNTABLE ON/OFF BUTTON
- 6. CLOCK SETTING 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.



<u>Purpose:</u> The turntable serves as the main cooking surface; it can be easily

removed for cleaning.

3. Steam cooker, see page 16 to 17. (Only MS28F303EF*, MS28F304EF* models)



power steam function.



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

oven use

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 or 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 ((2)) button once or twice.
_	T TIME (M/E) (D. / (C)

	Press the Clock ((<u>)</u>) button once or twice.	
2.	Turn the TIME/WEIGHT (\bigcirc / 9) dial to set hour.	- (5/9)
3.	Press the Clock ((2)) button.	9
4.	Turn the TIME/WEIGHT (()/9) dial to set minute.	(9/g











HOW A MICROWAVE OVEN WORKS

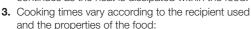
Microwaves are high-frequency electromagnetic waves; the energy released enables food to be cooked or reheated without the foods form or colour changing.

You can use your microwave oven to:

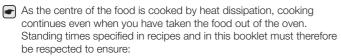
- Defrost (manual & auto)
- Cook
- Reheat

Cooking Principle

- The microwaves generated by the magnetron are distributed uniformly as the food rotates on the turntable. The food is thus cooked evenly.
- 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.



- · Quantity and density
- Water content
- Initial temperature (refrigerated or not)



- 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.

 Set the power level to maximum by turning COOKING POWER CONTROL knob.



2. Set the time 4 to 5 minutes by turning the TIME/WEIGHT (()/9) dial.



Result:

The oven light comes on and the turntable starts rotating.

- Cooking starts and when it has finished the oven beeps 4 times.
- 2) The end reminder signal will beep 3 times (once every minute).
- 3) The current time is displayed again.
- 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 hoil







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.

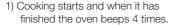
1. Set the power level to maximum by turning **COOKING POWER CONTROL** knob. (MAXIMUM POWER: 1000 W)



2. Set the time by turning **TIME/WEIGHT** (()/g) dial.

Result:

The oven light comes on and the turntable starts rotating.



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



Never switch the microwave oven on when it is empty.



POWER LEVELS

You can choose any of the power levels listed below.

Power Level	Output
Power Level	MWO
FULL	1000 W
HIGH	850 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

Adjust the remaining cooking time by rotating the TIME/ **WEIGHT** $(\bigcirc / 9)$ dial.

During the cooking to increase or decrease the cooking time of you food, turn the dial right or left.



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.



2. To stop completely: Turn the **TIME/WEIGHT** ((\(\Gamma\)/\(\Gamma\)) dial to the left.

"Current time" will be displayed.







USING THE AUTO DEFROSTING FEATURE

The auto defrost feature enables you to defrost meat, poultry, fish. First, place the frozen food in the centre of the turntable and close the door.

 Turn the COOKING POWER CONTROL knob to the Auto Defrost (^{**}/_(A*)) symbol.



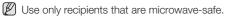
Turn the TIME/WEIGHT (\$\DDOTS / 9\$) dial to select the appropriate weight.



Result:

The oven light comes on and the turntable starts rotating.

- 1) Cooking starts and when it has finished the oven beeps 4 times.
- 2) The end reminder signal will beep 3 times (once every minute).
- 3) The current time is displayed again.



USING THE AUTO DEFROST PROGRAMMES

Remove all kinds of packaging material before defrosting.

Place the frozen foods on a turntable.

Turn the food over when the oven beeps.

Keep the corresponding standing time after auto defrosting has finished.

Food	Portion	Standing time	Recommendation
Meat	200-1500g	20-60 min	Shield the edges with aluminium
Poultry	200-1500g	20-60 min	foil. Turn the food over when the oven
Fish	200-1500g	20-60 min	beeps.

POWER STEAM COOKING GUIDE

(ONLY MS28F303EF*, MS28F304EF* MODELS)

The Power Steamer is based on the principle of steam cooking, and is designed for fast, healthy cooking in your Samsung Microwave oven. This accessory is ideal for cooking rice, pasta, vegetables, etc. in record time, while preserving their nutritional values.

The Microwave Power steamer set is made up of 3 items:







Bowl

Insert tray

Lid

All parts withstand temperatures from -20 °C to 140 °C. Suitable for freezer storage. Can also be used separately or together.

CONDITIONS of USE:

- Do not use:
 - to cook foods with a high sugar or fat content,
 - with the grill or rotating heat function or on a hob.
- Wash all parts well in soapy water before first use.
- To find out cooking times, please refer to the instructions in the table on next page.

MAINTENANCE:

- Your steamer can be washed in a dishwasher.
- When washing by hand, use hot water and washing-up liquid. Do not use abrasive pads.
- Some foods (such as tomato) may discolour the plastic. This is normal and not a manufacturing fault.

DEFROSTING:

Place the frozen food in the steam bowl without the lid. The liquid will remain in the bottom of the pot and will not harm the food.







COOKING:

Food	Portion	Power levels	Cooking time (min.)	Standing time (min.)	
Artichokes	300 g (1-2 pcs)	850 W	5-6	1-2	
		< Inst	ructions >		
	Rinse and cle	ean artichokes.	Put tray into bo	owl.	
	Set artichoke Cover with lice	,	one tablespoon	lemon juice.	
Fresh	300 g	850 W	4-5	1-2	
vegetables		< Inst	ructions >		
	Weigh the vegetables (e.g. broccoli, cauliflower, carrots pepper) after washing, cleaning and cutting into similar Put tray into bowl. Distribute vegetables on tray.				
	Add 2 tables	poons water. C	Cover with lid.		
Frozen	300 g	600 W	7-8	2-3	
vegetables	< Instructions >				
	Put the frozen vegetables into the steam bowl.				
	1		blespoon water.		
			cooking and st		
Rice	250 g	850 W	15-18	5-10	
	< Instructions >				
	Put rice into the steam bowl. Add 500 ml cold water.				
	Cover with lid. After cooking let stand white rice 5 minutes, brown rice 10 minutes.				
Jacket	500 g	850 W	7-8	2-3	
potatoes	< Instructions >				
	Weigh and rinse the potatoes and put them into steam bowl. Add 3 tablespoons water. Cover with lid.				
Stew	400 g	600 W	5-6	1-2	
(chilled)	< Instructions >				
Put stew into the steam bowl. Cover with lid. Stir well before standing.					

Food	Portion	Power levels	Cooking time (min.)	Standing time (min.)		
Soup	400 g	850 W	3-4	1-2		
(chilled)		< Inst	ructions >			
	Pour into stea	am bowl. Cove	r with lid.			
	Stir well befo	re standing.				
Frozen	400 g	850 W	8-10	2-3		
soup		< Inst	ructions >			
	Put frozen so	up into steam	bowl. Cover wit	h lid.		
	Stir well befo	Stir well before standing.				
Frozen	150 g	600 W	1-2	2-3		
yeast	< Instructions >					
dumpling	Moist the top of filled dumplings with cold water.					
with jam filling	Put 1-2 froze Cover with lice		de by side into t	the steam bowl.		
Fruit	250 g	850 W	3-4	2-3		
compote	Weigh the fresh fruits (e.g. apples, pears, plums, apricots mangoes or pineapple) after peeling, washing and cutting into similar sizes or cubes. Put into steam bowl. Add 1-2 tablespoons water and 1-2 tbsp. sugar. Cover with lid.					

Handling of power steam cooker







Bowl with insert tray + Lid

PRECAUTIONS:

- Take special care when opening the lid of your steamer, because the steam escaping may be very hot.
- Use oven gloves when handling after cooking.







MANUAL STOP TURNTABLE FUNCTION

The turntable on/off (s) button enables you to use large dishes which fill the whole oven by stopping the turntable from rotating.

The results will be less satisfactory in this case as the cooking is less even. We recommend that you turn the dish by hand halfway through the cooking process.

Warning! Never operate the turntable without food in the oven.

Reason: This may cauce fire or damage to the unit.

1. Press the Turntable on/off (
) button.

Result: Turntable will not rotate.



 To switch the turntable rotating back on, Press the Turntable on/off (
) button again.

Result: Turntable will rotate.



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.
Browning plate	✓	Do not preheat for more than eight minutes.

Cookware	Microwave-Safe	Comments
China and earthenware	1	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 	Х	May catch fire.
 Recycled paper or metal trims 	Х	May cause arcing.
Glassware		
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.
Glass jars	✓	Must remove the lid. Suitable for warming only.
Metal		
 Dishes 	×	May cause arcing or fire.
Freezer bag twist ties	×	
Paper		
 Plates, cups, napkins and Kitchen paper 	✓	For short cooking times and warming. Also to absorb excess moisture.
Recycled paper	Х	May cause arcing.









Cookware	Microwave-Safe	Comments
Plastic		
Containers	<i>,</i>	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	√ ×	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.

 \checkmark : Recommended $\checkmark\chi$: Use Caution χ : Unsafe

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 turn the TIME/WEIGHT (/ 9) dial

• Is the door completely closed?

The food is not cooked at all.

- Have you set the timer correctly?
- 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.

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.







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	MS28F303E**, MS28F304E**	
Power source	230 V ~ 50 Hz	
Power consumption Microwave	1500 W	
Output power	100 W / 1000 W (IEC-705)	
Operating frequency	2450 MHz	
Magnetron	OM75P (31)	
Cooling method	Cooling fan motor	
Dimensions (W x H x D) Outside Oven cavity	517 x 297 x 428 mm 357 x 255 x 357 mm	
Volume	28 liter	
Weight Net	15 kg approx	



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		
GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	www.samsung.com/gr/support	
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	

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