

Microwave Oven

User manual

MS11T5018A*



SAMSUNG

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Important safety instructions

Congratulations on your new Samsung microwave oven. This manual contains important information on the installation, use and care of your appliance. Please take time to read this manual to take full advantage of your microwave oven's many benefits and features.

WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

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 microwave oven.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- A. Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- B. Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on the sealing surface.
- C. Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
 - 1. Door (bent),
 - 2. Hinges and latches, (broken or loosened),
 - 3. Door seals and sealing surface.
- D. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual mean:

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**.

CAUTION

To reduce the risk of fire, explosion, electric shock, or personal injury when using your microwave oven, follow these basic safety precautions.



Do NOT attempt.



Unplug the power plug from the wall socket.



Do NOT disassemble.



Make sure the machine is grounded to prevent electric shock.



Do NOT touch.



Call the service center for help.



Follow directions explicitly.



Note

These warning signs are here to prevent injury to you and others. Please follow them explicitly. After reading this section, keep it in a safe place for future reference.

SAVE THESE INSTRUCTIONS

Important safety instructions

1. FCC Notice

FCC STATEMENT

This appliance has been tested and found to comply with the limits for a class B digital device, pursuant to Part 18 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This unit generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this unit does cause harmful interference to radio or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antennae.
- Increase the distance between the unit and receiver.
- Connect the unit into an outlet or a circuit different from that to which the receiver is connected.

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

WARNING

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

1. Read all safety instructions before using the appliance.
2. Read and follow the specific **“Precautions to avoid possible exposure to excessive microwave energy”** on page 3.
3. This appliance must be grounded. Connect only to properly grounded outlets. See Important **“Grounding instructions”** on page 5 of this manual.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers (for example, closed glass jars) can explode if heated rapidly. Never heat them in a microwave oven.

SAVE THESE INSTRUCTIONS

6. Do not use this appliance for other purposes than cooking. Drying of clothing and heating of warming pads, slippers, sponges, damp cloth and similar may lead to risk of injury, ignition or fire. Use this appliance only for its intended use as described in the manual. Do not put corrosive chemicals or vapors in or on this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
7. As with any appliance, close supervision is necessary when it is used by children. 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.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be repaired or serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not tamper with or make any adjustments or repairs to the door.
12. Do not store this appliance outdoors. Do not use this product near water, for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.
13. Do not immerse the cord or plug in water.
14. Keep the cord away from heated surfaces. (including the back of the oven).
15. Do not let the cord hang over edge of table or counter.
16. When cleaning surfaces of the door and oven that come together when the door closes, use only mild, nonabrasive soaps, or detergents applied with a sponge or soft cloth. Unplug the plug before cleaning.
17. To reduce the risk of fire in the oven cavity:
 - a. Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - b. Remove wire twist-ties from paper or plastic bags before placing the bags in the oven.
 - c. If materials inside the oven ignite, keep the oven door closed, turn the oven off, and disconnect the power cord, or shut off the power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.
 - d. Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.

18. Liquids, such as water, milk, coffee, or tea can be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID. To reduce the risk of injury:
 - a. Do not overheat liquid.
 - b. Stir liquid both before and halfway through heating it.
 - c. Do not use straight-sided containers with narrow necks.
 - d. After heating, allow the container to stand in the microwave oven for a short time before removing the container.
 - e. Use extreme care when inserting a spoon or other utensil into the container.
19. Oversized foods or oversized metal utensils should not be inserted in microwave / toaster oven as they may create a fire or electric shock.
20. Do not clean with metal scouring pads. Piece can burn off the pad and touch electrical parts involving a risk of electric shock.
21. Do not use paper products when appliance is operated in the toaster mode.
22. Do not store any materials, other than manufacturer's recommended accessories, in this oven when not in use.
23. Do not cover racks or any other part of the oven with metal foil. This will cause overheating of the oven.

CAUTION

1. Over The Range model Only
 - Clean Ventilating Hoods Frequently - Grease should not be allowed to accumulate on the hood of the filter.
 - When flaming foods under the hood, turn the fan on.
 - Use care when cleaning the vent-hood filter. Corrosive cleaning agents, such as lye-based oven cleaner, may damage the filter.
2. Push Button type model Only
 - Pre-caution for safe use to avoid possible exposure to excessive microwave energy : Do not attempt to pull any part of the door by hand to open the door. Open the door only utilizing the push button located at front-right-bottom side.

GROUNDING INSTRUCTIONS

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

WARNING

Improper use of the grounding plug can result in a risk of electric shock.

- Plug into a grounded 3 prong outlet. Do not remove the third (grounding) prong. Do not use an adaptor or otherwise defeat the grounding plug.
- Consult a qualified electrician or service person if you do not understand the grounding instructions or if you are not sure if the appliance is properly grounded.
- We do not recommend using an extension cord with this appliance. If the power-supply cord is too short, have a qualified electrician or serviceman install an outlet near the appliance. However, if it is necessary to use an extension cord, read and follow the "Use of Extension Cords" section below.

USE OF EXTENSION CORDS


A short power-supply cord is provided to reduce the risk of your becoming entangled in or tripping over a longer cord. Longer cord sets or extension cords are available and you can use them if you exercise care. If you use a long cord or extension cord:


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


SAVE THESE INSTRUCTIONS

Important safety instructions

CRITICAL INSTALLATION WARNINGS

- ★ The installation of this appliance must be performed by a qualified technician or service company.
 - Failing to have a qualified technician install the oven may result in electric shock, fire, an explosion, problems with the product, or injury.
- Unpack the oven, remove all packaging material and examine the oven for any damage such as dents on the interior or exterior of the oven, broken door latches, cracks in the door, or a door that is not lined up correctly. If there is any damage, do not operate the oven and notify your dealer immediately.
- Make sure to install your oven in a location with adequate space.
- 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.
- Unplug the power plug and clean it with a dry cloth.
 - Failing to do so may result in electric shock or fire.
- Plug the power cord into a properly grounded 3 pronged outlet. Your oven should be the only appliance connected to this circuit.
- Sharing a wall socket with other appliances, using a power strip, or extending the power cord may result in electric shock or fire.
 - Do not use an electric transformer. It may result in electric shock or fire.
 - Ensure that the voltage, frequency and current provided match the product's specifications. Failing to do so may result in electric shock or fire.
- Keep all packaging materials out of the reach of children. Children may use them for play.
-  This appliance must be properly grounded. Read and follow the specific "Grounding instructions" found in the beginning of this Section. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.
 - This may result in electric shock, fire, an explosion, or problems with the product.
 - Never plug the power cord into a socket that is not grounded correctly and make sure that it is grounded in accordance with local and national codes.

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

The microwave requires a separate branch circuit single grounded outlet of at least 15A and max of 20A.
-  Do not install this appliance in a humid, oily, or dusty location, or in a location exposed to direct sunlight or water (rain drops).
 - This may result in electric shock or fire.

Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.


 - This may result in electric shock or fire.

Do not mount over a sink.
Do not pull or excessively bend the power cord.
Do not twist or tie the power cord.


Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

 - This may result in electric shock or fire.

Do not pull the power cord when you unplug the oven.

 - Unplug the oven by pulling the plug only.
 - Failing to do so may result in electric shock or fire.
-  When the power plug or power cord is damaged, contact your nearest service center for a replacement or repair.

INSTALLATION CAUTIONS

- ★ Position the oven so that the plug is easily accessible.
 - Failing to do so may result in electric shock or fire due to electric leakage.
-  Unplug the oven when it is not being used for long periods of time or during a thunder/lightning storm.
 - Failing to do so may result in electric shock or fire.

SAVE THESE INSTRUCTIONS

CRITICAL USAGE WARNINGS

- ★ If the microwave appliance is flooded, please contact your nearest service center. Failing to do so may result in electric shock or fire.
Read and follow the specific "Precautions to Avoid Possible Exposure to Excessive Microwave Energy", found in the beginning of this Safety Information Section.
If the microwave generates a strange noise, a burning smell or smoke, unplug it immediately and contact your nearest service center.
 - Failing to do so may result in electric shock or fire.
 In the event of a gas leak (propane gas, LP gas, etc.), ventilate the room immediately. Do not touch the microwave, power cord, or plug.
 - Do not use a ventilating fan.
 - A spark may result in an explosion or fire.
 Take care that the door or any of the other parts do not come into contact with your body while cooking or just after cooking.
 - Failing to do so may result in burns.
 In the event of a grease fire on the surface units below the oven, smother the flaming pan on the surface unit by covering the pan completely with a lid, a cookie sheet, or a flat tray.
Never leave surface units beneath your oven unattended at high heat settings. Boil overs cause smoking and greasy spillovers that may ignite and spread if the vent fan is operating. To minimize automatic fan operation, use adequate sized cookware and use high heat on surface units only when necessary.
If materials inside the oven should ignite, keep the oven door closed, turn the oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel. If the door is opened, the fire may spread.
 - Always observe Safety Precautions when using your oven. Never try to repair the oven on your own. There is dangerous voltage inside. If the oven needs to be repaired, contact an authorized service center near you.
- ✘ Do not attempt to repair, disassemble, or modify the appliance yourself.
 - Because a high voltage current enters the product chassis during operation, opening the chassis can result in electric shock or fire.
 - You may be exposed to electromagnetic waves.
 - When the oven requires repair, contact your nearest service center.

- ✘ If any foreign substance such as water enters the microwave, unplug it and contact your nearest service center.
 - Failing to do so may result in electric shock or fire.
- ✘ Do not touch the power plug with wet hands.
 - This may result in electric shock.
 Do not turn the appliance off by unplugging the power plug while the appliance is in operation.
 - Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.
 Keep all packaging materials well out of the reach of children. Packaging materials can be dangerous to children.
 - If a child places a bag over its head, the child can suffocate.
 Do not let children or any person with reduced physical, sensory or mental capabilities use this appliance unsupervised. Make sure that the appliance is out of the reach of children.
 - Failing to do so may result in electric shock, burns or injury.
 Do not touch the inside of the appliance immediately after cooking. The inside of the appliance will be hot.
 - The heat on the inside of the oven can cause burns.
- ✘ Do not put aluminum foil (except as specifically directed in this manual), metal objects (such as containers, forks, etc.) or containers with golden or silver rims into the microwave.
 - These objects can cause sparks or a fire.
 Do not use or place flammable sprays or objects near the oven.
 - Heat from the microwave can cause flammable sprays to explode or burn.
 - Failing to do so may result in electric shock or injury.
 Do not tamper with or make any adjustments or repairs to the door. Under no circumstances should you remove the outer cabinet.
Do not store or use the oven outdoors.

SAVE THESE INSTRUCTIONS

Important safety instructions

USAGE CAUTIONS

★ If the surface of the microwave is cracked, turn it off.

- Failing to do so may result in electric shock.

Dishes and containers can become hot. Handle with care.

Hot foods and steam can cause burns. Carefully remove container coverings, directing steam away from your hands and face.

Remove lids from baby food before heating. After heating baby food, stir well to distribute the heat evenly. Always test the temperature by tasting before feeding the baby. The glass jar or surface of the food may appear to be cooler than the food in the interior, which can be so hot that it will burn the infant's mouth.

Make sure all cookware used in the oven is suitable for microwaving.

Use microwavable cookware in strict compliance with such manufacturer's recommendations.

- ☐ Do not stand on top of the microwave or place objects (such as laundry, oven covers, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
 - Items, such as a cloth, may get caught in the door.
 - This may result in electric shock, fire, problems with the product, or injury.Do not operate the appliance with wet hands.
 - This may result in electric shock.Do not spray volatile material such as insecticide onto the surface of the appliance.
 - As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.Do not place the appliance over a fragile object such as a sink or glass object.
 - This may result in damage to the sink or glass object.Do not put your face or body close to the appliance while cooking or when opening the door just after cooking.
 - Take care that children do not come too close to the appliance.
 - Failing to do so may result in children burning themselves.Do not place food or heavy objects over the door when opening the door.
 - The food or object may fall and this may result in burns or injury.Do not abruptly cool the door, the inside of the appliance, or the dish by pouring water over it during or just after cooking.
 - This may result in damage to the appliance. The steam or water spray may result in burns or injury.Do not cook without the glass tray in place on the oven floor. Food will not cook properly without the tray.
- Do not defrost frozen beverages in narrow-necked bottles. The containers can break.
- Do not scratch the glass of the oven door with a sharp object.
 - This may result in the glass being damaged or broken.Do not store anything directly on top of the appliance when it is in operation.
- Do not use sealed containers. Remove seals and lids before use. Sealed containers can explode due to buildup of pressure even after the oven has been turned off.

SAVE THESE INSTRUCTIONS

CRITICAL CLEANING INSTRUCTIONS

Do not clean the appliance by spraying water directly onto it.

Do not use benzene, thinner, or alcohol to clean the appliance.

- This may result in discoloration, deformation, damage, electric shock, or fire.

Before cleaning or performing maintenance, unplug the appliance from the wall socket and remove food waste from the door and cooking compartment.

- Failing to do so may result in electric shock or fire.

Take care not to hurt yourself when cleaning the appliance. (external/internal)

- You may hurt yourself on the sharp edges of the appliance.

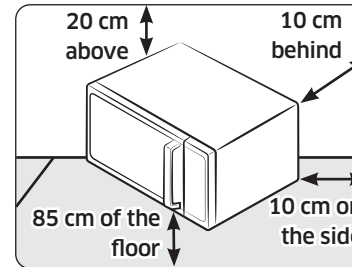
Do not clean the appliance with a steam cleaner.

- This may result in corrosion.

Keep the inside of the oven clean. Food particles or spattered oils stuck to the oven walls or floor can cause paint damage and reduce the efficiency of the oven.

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.



NOT FOR BUILT-IN INSTALLATION

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.

⚠ CAUTION

- 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.

SAVE THESE INSTRUCTIONS

Important safety instructions

CLEANING THE TURNTABLE AND ROLLER RINGS

Clean the roller rings periodically and wash the turntable as required. You can wash the turntable safely in your dishwasher.

STORING AND REPAIRING YOUR MICROWAVE OVEN

If you need to store your microwave oven for a short or extended period of time, choose a dust-free, dry location. Dust and dampness may adversely affect the microwave parts.

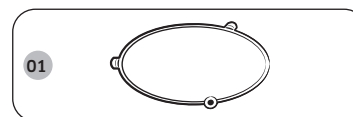
⚠ WARNING

- Do not repair, replace or service any part of your microwave oven yourself. Allow only a qualified service technician to perform repairs. If the oven is faulty and needs servicing, or you are in doubt about its condition, unplug the oven from the power outlet and contact your nearest service center.
- Do not use the oven if it is damaged, in particular, if the door or door seals are damaged. Door damage includes a broken hinge, a worn out seal, or distorted/bent casing.
- Do not remove the oven from its casing.
- This microwave oven is for home use only and is not intended for commercial use.

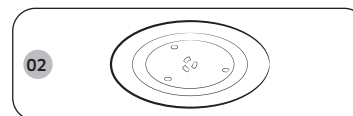
Installation

Accessories

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



- 01 Roller ring**, to be placed in the centre of the microwave oven. The roller ring supports the turntable.

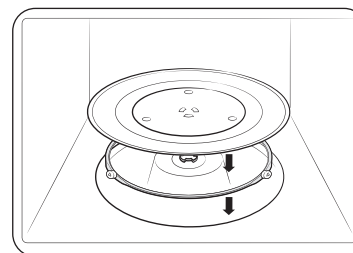


- 02 Turntable**, to be placed on the roller ring with the centre fitting to the coupler. The turntable serves as the main cooking surface; it can be easily removed for cleaning.

⚠ CAUTION

Do not operate the microwave oven without the roller ring and turntable.

Turntable



Remove all packing materials inside the microwave oven. Install the roller ring and turntable. Check that the turntable rotates freely.

Maintenance

Cleaning

Clean the microwave oven regularly to prevent impurities from building up on or inside the microwave oven. Also pay special attention to the door, door sealing, and turntable and roller ring (applicable models only).

If the door won't open or close smoothly, first check if the door seals have built up impurities. Use a soft cloth in soapy water to clean both the inner and outer sides of the microwave oven. Rinse and dry well.

To remove stubborn impurities with bad smells from inside the microwave oven

1. With an empty microwave oven, put a cup of diluted lemon juice on the centre of the turntable.
2. Heat the microwave oven for 10 minutes at max power.
3. When the cycle is complete, wait until the microwave oven cools down. Then, open the door and clean the cooking chamber.

CAUTION

- Keep the door and door sealing clean and ensure the door opens and closes smoothly. Otherwise, the microwave oven's lifecycle may be shortened.
- Take caution not to spill water into the microwave oven vents.
- Do not use any abrasive or chemical substances for cleaning.
- After each use of the microwave oven, use a mild detergent to clean the cooking chamber after waiting for the microwave oven to cool down.

Replacement (repair)

WARNING

This microwave oven has no user-removable parts inside. Do not try to replace or repair the microwave oven yourself.

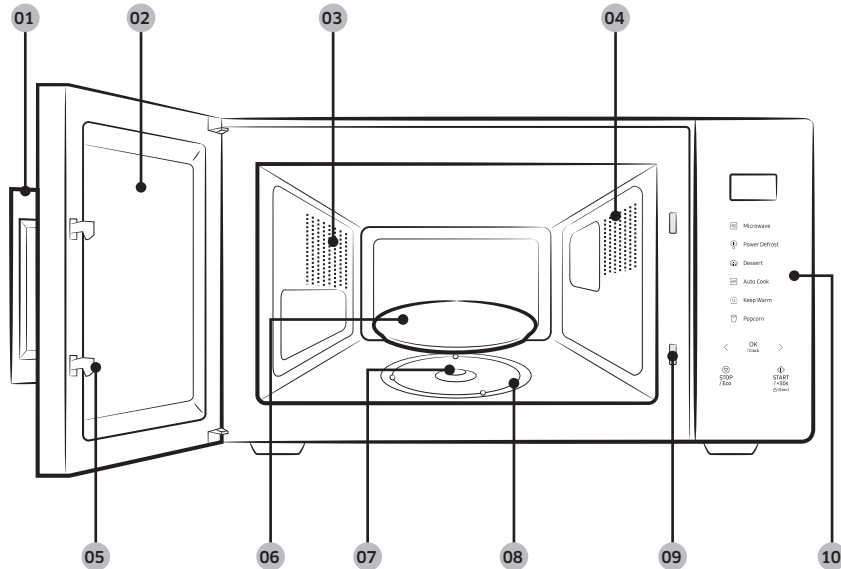
- If you encounter a problem with hinges, sealing, and/or the door, contact a qualified technician or a local Samsung service centre for technical assistance.
- If you want to replace the light bulb, contact a local Samsung service centre. Do not replace it yourself.
- If you encounter a problem with the outer housing of the microwave oven, first unplug the power cord from the power source, and then contact a local Samsung service centre.

Care against an extended period of disuse

If you don't use the microwave oven for an extended period of time, unplug the power cord and move the microwave oven to a dry, dust-free location. Dust and moisture that builds up inside the microwave oven may affect the performance of the microwave oven.

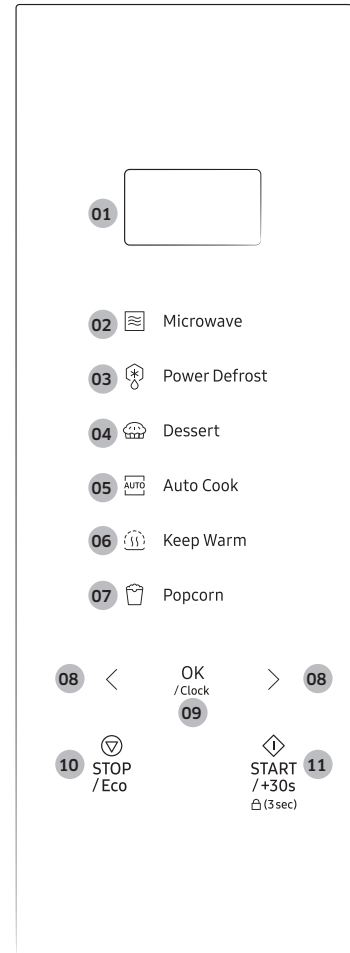
Microwave oven features

Microwave oven



- 01 Door handle
- 02 Door
- 03 Ventilation holes
- 04 Light
- 05 Door latches
- 06 Turntable
- 07 Coupler
- 08 Roller ring
- 09 Safety interlock holes
- 10 Control panel

Control panel



- 01 Display
- 02 Microwave
- 03 Power Defrost
- 04 Dessert
- 05 Auto Cook
- 06 Keep Warm
- 07 Popcorn
- 08 Decrease/Increase (Weight/Serving/Time)
- 09 OK (Clock)
- 10 STOP/Eco
- 11 START/+30s (Child Lock)

Microwave oven use

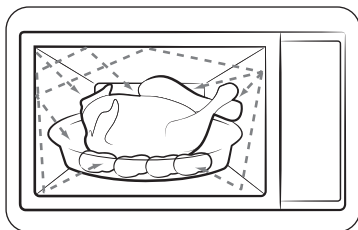
How a microwave oven works

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
- Reheat
- Cook

Cooking principle



1. The microwaves generated by the magnetron reflected at cavity and 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 container used and the properties of the food:
 - Quantity and density
 - Water content
 - Initial temperature (refrigerated or not)

NOTE

As the centre of the food is cooked by heat dissipation, cooking continues even when you have taken the food out of the microwave 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.

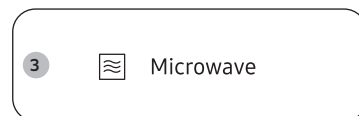
Checking that your microwave oven is operating correctly

The following simple procedure enables you to check that your microwave oven is working correctly at all times.

If you have any problems, see the “Troubleshooting” section on pages 32 to 35.

NOTE

The microwave oven must be plugged into an appropriate wall socket. The turntable must be placed in the microwave oven. If a power level other than the maximum (100 % - 900 W) is used, the water takes longer to boil.



1. Pull the handle to open the microwave oven door.
2. Place a glass of water on the turntable, and then close the door.
3. Press **Microwave**.



4. The control panel display shows the corresponding power level (100 - 900 W). Press the **OK** button for desired power level.



5. Press **START/+30s** repeatedly to set the time to 4 or 5 minutes.
6. The microwave oven heats the water for the set time. Check and make sure the water is boiling.

Microwave oven use

Cooking/Reheating

The following procedure explains how to cook or reheat food.

⚠ CAUTION

Always check your cooking settings before leaving the microwave oven unattended.

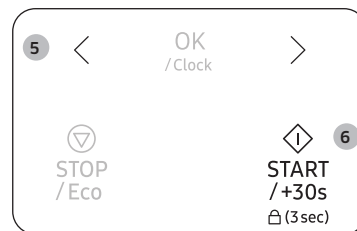


1. Pull the handle to open the microwave oven door.
2. Place the food on the centre of the turntable, and then close the door.

⚠ CAUTION

Do not operate the microwave oven when it is empty.

3. Press **Microwave**.
 - The control panel display shows the corresponding icon (☰) and the maximum power level (900 W).
4. Press < or > (**Decrease/Increase**) to select the desired power level, and then press **OK**.
 - Refer to the “**Power levels and time variations**” section on page 15 for the appropriate power level.



5. Press < or > (**Decrease/Increase**) to set the desired cooking time.
 - The control panel display shows the cooking time.
6. Press **START/+30s** to start cooking.
 - The light turns on and the turntable starts to rotate.
 - When the cooking is complete, the microwave oven beeps 4 times and the control panel display shows the current time. Then, the end reminder signal beeps once every minute for 3 times.

Setting the time

When power is supplied, "88:88" and then "12:00" is automatically displayed on the display. Please set the current time.

- When you first install your microwave oven
- After a power failure

NOTE

You must manually change the time to apply daylight saving time.



1. Press **OK**.



2. Press < or > (**Decrease/Increase**) to set the hour, and then press **OK**.
3. Press < or > (**Decrease/Increase**) to set the minute, and then press **OK**.

NOTE

The control panel display shows the time when the microwave is not in use.

Power levels and time variations

The power level function enables you to adapt the amount of energy dissipated and thus the time required to cook or reheat your food, according to its type and quantity. You can choose between 10 power levels.

10 = PL:10	(Warm)	60 = PL:60	(Simmer)
20 = PL:20	(Defrost)	70 = PL:70	(Medium high)
30 = PL:30	(Low)	80 = PL:80	(Reheat)
40 = PL:40	(Medium low)	90 = PL:90	(Sauté)
50 = PL:50	(Medium)	100 = PL:Hi	(High)

The cooking times given in recipes and in this booklet correspond to the specific power level indicated.

- The cooking time decreases if you select a higher power level.
- The cooking time increases if you select a lower power level.

Microwave oven use

Adjusting the cooking time

You can increase or decrease the cooking time while the microwave oven is cooking.

- Check how cooking is progressing at any time simply by opening the door, and then increase or decrease the cooking time if necessary.



Method 1

Press **START/+30s** to increase the cooking time by 30 seconds.

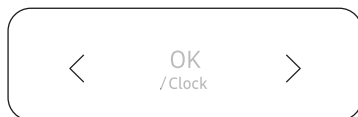
- Example: To add three minutes, press **START/+30s** six times.

NOTE

You can only increase the cooking time.

Method 2

Press < or > (**Decrease/Increase**) to adjust the cooking time.



Stopping the cooking

You can stop cooking at any time so that you can:

- Check the food
- Turn the food over or stir it
- Leave it to stand

To stop the cooking temporarily

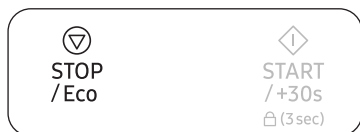
1. Open the door or press **STOP/Eco** once.
 - Cooking stops temporarily.
2. To resume cooking, close the door and press **START/+30s**.

To stop the cooking completely

1. Open the door or press **STOP/Eco** once.
 - Cooking stops temporarily.
2. Press **STOP/Eco** button again.

Setting the energy save mode

The microwave oven has an energy save mode.



- Press **STOP/Eco**. The control panel display turns off.
- To cancel the energy save mode, open the door or press **STOP/Eco**. The control panel display shows the current time.

NOTE

Auto energy saving function

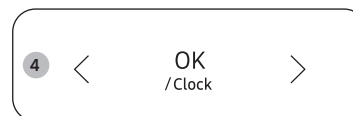
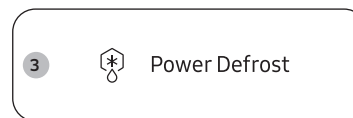
The product returns to standby status if there is no input for 25 minutes in the middle of setting or while the operation has been paused. Also, if you leave the door open, the interior lamp automatically turns off after 5 minutes.

Using Power Defrost

The defrost time and power level are set automatically. You simply select the programme and the weight.

CAUTION

Use only containers that are microwave-safe.



1. Pull the handle to open the microwave oven door.
2. Place the food on the centre of the turntable, and then close the door.
3. Press **Power Defrost**.
4. Press < or > (**Decrease/Increase**) to set the serving size (0.1 lb-3.5 lbs), and then press **OK**.
5. Press **START/+30s** to start defrosting.
 - When the microwave oven beeps, open the door and turn the food over.
6. Close the door, and then press **START/+30s** to resume defrosting.
 - When the defrosting is complete, the microwave oven beeps 4 times and the control panel display shows the current time. Then, the end reminder signal beeps once every minute for 3 times.

Microwave oven use

Power defrost programme description

The following table details the various Frozen materials, quantities, and instructions. Remove all packaging materials before defrosting.

Food	Serving Size	Instructions
Roast Beef, Pork	2.5-3.5 lbs.	Start with the food placed fat side down. After each stage, turn the food over and shield any warm portions with narrow strips of aluminum foil. Let stand, covered for 10-20 minutes.
Steaks, Chops, Fish	0.5-3.5 lbs.	After each stage, rearrange the food. If there are any warm or thawed portions of food, shield them with narrow, flat pieces of aluminum foil. Remove any pieces of food that are nearly defrosted. Let stand, covered for 5-10 minutes.
Ground Meat	0.5-3.5 lbs.	After each stage, remove any pieces of food that are nearly defrosted. Let stand, covered with foil for 5-10 minutes.
Whole Chicken	2.5-3.5 lbs.	Remove giblets before frozen poultry. Start defrosting with the breast side down. After the first stage, turn the chicken over and shield any warm portions with narrow strips of aluminum foil. After the second stage, again shield any warm portions with narrow strips of aluminum foil. Let stand, covered for 30-60 minutes in the refrigerator.

Food	Serving Size	Instructions
Chicken Pieces	0.5-3.5 lbs.	After each stage, rearrange or remove any pieces of food that are nearly defrosted. Let stand for 10-20 minutes.

NOTE

Select the manual defrosting function with a power level of 20 % if you want to defrost food manually. For further details on manual defrosting and defrosting times, refer to the page 30.

Using Dessert

Dessert has 10 pre-programmed cook settings. You do not need to set either the cooking times or the power level.

CAUTION

Use only containers that are microwave-safe.



1. Pull the handle to open the microwave oven door.
2. Place the food on the centre of the turntable, and then close the door.
3. Press **Dessert**.



4. Press < or > (**Decrease/Increase**) to select the type of food, and then press **OK**.

- For more information, see the “Dessert programme description” section on pages 19 to 21.



5. Press **START/+30s** to start Dessert.
 - The microwave oven cooks the food according to the selected pre-programmed setting.
 - When the cooking is complete, the microwave oven beeps 4 times and the control panel display shows the current time. Then, the end reminder signal beeps once every minute for 3 times.

The following table presents quantities and appropriate instructions about 10 pre-programmed cooking options.

CAUTION

Use oven gloves when taking out food.

Dessert programme description

Code	Food	Serving Size	Instructions
1	Walnut Pound Cake	1 serving	Ingredients Flour 120 g, Butter 150 g, Black sugar 100 g, Egg 2 pcs., Walnut (Chopped) 50 g, Baking powder 4 g
			<ol style="list-style-type: none"> 1. Combine a butter and black sugar in bowl. 2. Add egg and mix well. 3. Add a flour, baking powder and keep stirring. 4. Add a walnut and mix well. 5. Pour a mixture in greased glass or plastic bowl. 6. Put the bowl in the microwave oven and select the Dessert [1]. 7. After cooking, stand for 2-3 minutes.
2	Banana Bread	1 serving (6 pcs.)	Ingredients Banana 3 pcs., Pancake mix 120 g, Milk 120 g, Egg 1 pc., Malt syrup 2 tbsp.
			<ol style="list-style-type: none"> 1. Chop the banana. 2. Combine a pancake mix, milk, egg, malt syrup in bowl. 3. Add banana and mix well. 4. Pour a mixture in 6 paper cups. 5. Put paper cups in the microwave oven and select the Dessert [2]. 6. After cooking, stand for 2-3 minutes.

Microwave oven use

Code	Food	Serving Size	Instructions
3	Sponge Cake	1 serving	Ingredients Flour 170 g, Butter 50 g, Sugar 150 g, Egg 3 pcs., Baking powder 10 g
		<ol style="list-style-type: none"> Combine a butter and sugar in bowl. Add egg and mix well. Add a flour, baking powder and keep stirring. Pour a mixture in greased glass or plastic bowl. Put the bowl in the microwave oven and select the Dessert [3]. After cooking, stand for 2-3 minutes. 	
4	Brownie	1 serving	Ingredients Flour 90 g, Butter(Melted) ½ cup, Sugar 230 g, Egg 2 pcs., Cocoa power 40 g
		<ol style="list-style-type: none"> Combine a butter, beaten eggs, sugar in bowl. Add a flour, cocoa powder and keep stirring. Pour a mixture in greased glass or plastic bowl. Put the bowl in the microwave oven and select the Dessert [4]. After cooking, stand for 20-30 minutes. 	

Code	Food	Serving Size	Instructions
5	Egg Pudding	1 serving (3 pcs.)	Ingredients Milk 250 g, Sugar 40 g, Egg 2 pcs.
		<ol style="list-style-type: none"> Crack the two eggs into a bowl. Lightly beat the egg with a balloon whisk. Don't let the tip of the whisk leave the bottom of the bowl to avoid creating too much foam. Combine milk, sugar in other bowl. Add the milk to the beaten egg while whisking the mixture. Sieve the egg mixture with a fine mesh strainer. Scrape off the bottom of the strainer with a spatula. Remove any foam on the surface with a spoon. Pour the mixture into custard cups. Put the cups in the microwave oven and select the Dessert [5]. After cooking, refrigerate and serve. 	
6	Chocolate Mug Cake	1 serving	Ingredients Butter 30 g, Sugar 60 g, Egg 1 pc., Heavy cream 40 g, Flour 25 g, Cocoa powder 15 g, Vanilla 1.5 g, Semi-sweet chocolate chips 50 g
		<ol style="list-style-type: none"> Combine the butter, egg and cream together in a mug until well combined. Add the flour, sugar and keep stirring. Add the cocoa, vanilla and stir until just combined. Stir in the chocolate chips. Put the mug in the microwave oven and select the Dessert [6]. After cooking, stand for 2-3 minutes. 	

Code	Food	Serving Size	Instructions
7	Mug Cake	1 serving	Ingredients Butter 30 g, Sugar 60 g, Egg 1 pc., Flour 50 g, Milk 30 g, Vanilla 6 g, Almond powder 3 g, Baking powder 1.5 g
			<ol style="list-style-type: none"> Combine the butter, egg together in a mug until well combined. Add the flour, sugar, baking powder and keep stirring. Add the almond powder, vanilla and stir until just combined. Put the mug in the microwave oven and select the Dessert [7]. After cooking, stand for 2-3 minutes.
8	Café Latte	1 serving	Ingredients Instant coffee powder 2 g, Water 50 g, Milk 125 g
			<ol style="list-style-type: none"> Mix the coffee powder and water in mug. Pour milk in other mug. Put the coffee mixture in the microwave oven and select the Dessert [8]. When the beeps, take mug out. Put the milk in the microwave oven and press the START/+30s button. After cooking, mix all well and serve.
9	Green Tea Latte	1 serving	Ingredients Green tea powder 6 g, Sugar 15 g, Milk 250 g
			<ol style="list-style-type: none"> Mix all ingredients in mug. Put the mug in the microwave oven and select the Dessert [9]. After cooking, mix well and serve.

Code	Food	Serving Size	Instructions
10	Milk Tea	1 serving	Ingredients Black tea bag 2 pcs., Water 60 g, Milk 125 g
			<ol style="list-style-type: none"> Mix the black tea bag and water in mug. Pour milk in other mug. Put the tea mixture in the microwave oven and select the Dessert [10]. When the beeps, take mug out. Put the milk in the microwave oven and press the START/+30s button. After cooking, mix all well and serve.

Microwave oven use

Using Auto Cook

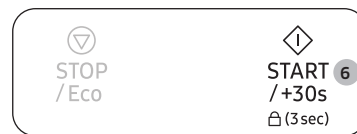
Auto Cook has 14 pre-programmed cook settings. You do not need to set either the cooking times or the power level.

⚠ CAUTION

Use only containers that are microwave-safe.



1. Pull the handle to open the microwave oven door.
2. Place the food on the centre of the turntable, and then close the door.
3. Press **Auto Cook**.
4. Press < or > (**Decrease/Increase**) to select the type of food, and then press **OK**.
 - For more information, see the "Auto Cook programme description" section on pages 22 to 24.
5. Press < or > (**Decrease/Increase**) to select the serving size, and then press **OK**.
 - For more information, see the "Auto Cook programme description" section on pages 22 to 24.
 - Depending on the selected menu, you may have only one weight option available to select.



6. Press **START/+30s** to start Auto Cook.
 - The microwave oven cooks the food according to the selected pre-programmed setting.
 - When the cooking is complete, the microwave oven beeps 4 times and the control panel display shows the current time. Then, the end reminder signal beeps once every minute for 3 times.

The following table presents quantities and appropriate instructions about 14 pre-programmed cooking options.

⚠ CAUTION

Use oven gloves when taking out food.

Auto Cook programme description

Code	Food	Serving Size	Instructions
1	Beverage	0.5 cup 1 cup 2 cups	Use a measuring cup or mug and do not cover. Place the beverage in the oven. After heating, stir well.
2	Pizza Slices	1 pc 2 pcs. 3 pcs.	Place 1-3 pizza slices on a microwave safe plate with the wide ends of the slices towards the outside edge of the plate. Do not let the slices overlap. Do not cover.

Code	Food	Serving Size	Instructions
3	Fresh Vegetables	1 serving (125 g) 2 servings (250 g) 3 servings (375 g) 4 servings (500 g)	Place the fresh vegetables (broccoli florets, cauliflower florets, zucchini, Eggplants etc.) in a microwave-safe ceramic, glass, or plastic dish and add 2-4 tbs. water. Cover with vented (1 inch vent) plastic wrap while cooking and stir before letting stand. Let the oven cool for at least 5 minutes before using it again.
4	Frozen Vegetables	1 serving (125 g) 2 servings (250 g) 3 servings (375 g) 4 servings (500 g)	Place the frozen vegetables in a microwave-safe ceramic, glass, or plastic dish and add 2-4 tbs. water. Cover with vented (1 inch vent) plastic wrap to cook. Stir before letting stand for 3-5 minutes. Let the oven cool for at least 5 minutes before using it again.
5	Casserole	1 serving 2 servings 3 servings 4 servings	Pour into a deep ceramic plate or bowl. Cover the plate with vented (1 inch vent) plastic wrap. Stir well before serving. Contents Casseroles: refrigerated
6	Frozen Breakfast	4-6 oz 7-8 oz	Remove package from wrapping and follow package instructions for covering and standing. When the microwave beeps, remove cover film and then press START/+30s to continue. After cooking, let stand 1-3 minutes.

Code	Food	Serving Size	Instructions
7	Frozen Dinner	8-10 oz 11-14 oz 15-18 oz	Remove package from wrapping and follow package instructions for covering and standing. After cooking, let stand 1-3 minutes.
8	Frozen Chicken Nuggets	1 serving 2 servings	Place the frozen chicken nuggets on the plate. After cooking, let stand 1-3 minutes.
9	Hot Dogs	2 pcs. 4 pcs.	Pierce the hot dogs 3 times with a fork. Place the hot dogs on the plate. Put them in the microwave. When the microwave beeps, add the buns, and then press START/+30s to continue.
10	Frozen Cheese Sticks	5-6 pcs. 7-10 pcs.	Place the cheese sticks on a plate in a spoke-like fashion. Do not cover. After cooking, stand for 1-2 minutes.
11	Melt Butter	4 oz (1 stick) 8 oz (2 sticks)	Unwrap the butter and cut the butter into several pieces. Place the butter on a microwave-safe dish and cover with wax paper. Stir well afterwards.
12	Melt Chocolate	1 cup chips	Place the chocolate chips in a microwave-safe dish. When the microwave beeps, stir well, and then press START/+30s to continue. Unless stirred, the chocolate chips will keep their shape even when the heating time is over.

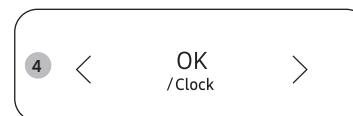
Microwave oven use

Code	Food	Serving Size	Instructions
13	Soften Butter	4 oz (1 stick)	Remove the butter from the packaging and place on a microwave-safe dish.
14	Soften Cream Cheese	1 pack (1 pint)	Remove the lid of the carton. Place the carton in the center of the microwave.

Using Popcorn

⚠ CAUTION

Use only containers that are microwave-safe.



1. Pull the handle to open the microwave oven door.
2. Place the food on the centre of the turntable, and then close the door.
3. Press **Popcorn**.
4. Press < or > (**Decrease/Increase**) to select the serving size, and then press **OK**.
5. Press **START/+30s** to start Popcorn.

Popcorn programme description

Food	Serving Size	Instructions
Popcorn	3.0-3.5 oz. 1 package	Use only one microwave popcorn bag at a time. Be careful when removing the heated bag from the oven and opening it.

Using Keep Warm

The Keep Warm feature keeps food hot until it's served. Use this function to keep food warm until ready to serve.

NOTE

The maximum Keep Warm time is 99 minutes.



1. Press the **Keep Warm** button.



2. Press < or > (**Decrease/Increase**) button to set desired warming time.



3. Press the **START/+30s** button.
 - To stop warming the food, open the door or press **STOP/Eco** button.

CAUTION

- Do not use this function to reheat cold foods. This programmes are for keeping food warm that has just been cooked.
- Do not recommend food being kept warm for too long (more than 1 hour), as it will continue to cook. Warm food spoils more quickly.
- Do not cover with lids or plastic wrap.
- Use oven gloves when taking out food.

Using Child Lock

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

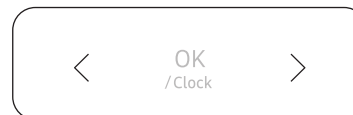


- To activate Child Lock, press and hold **START/+30s** for 3 seconds.
 - The control panel is locked, and the control panel display shows “L”.
- To deactivate Child Lock, press and hold **START/+30s** again for 3 seconds.



Switching the beeper off

You can switch the beeper off whenever you want.



- To turn the beeping sound off, press < and > (**Decrease/Increase**) at the same time.
- To turn the beeping sound back on, press < and > (**Decrease/Increase**) at the same time again.

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
Aluminium foil	✓X	Can be used in small quantities to protect areas against overcooking. Arcing can occur if the foil is too close to the microwave 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.
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.

Cookware	Microwave-safe	Comments
• 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

We provide these cooking guides to help you make the most out of this oven. Experience our cooking know-how to add convenience and richness to your life.

Microwave cooking guide

- Cover the food throughout the entire cooking. The vaporised moisture from the food circles through inside and helps cook evenly.

Frozen vegetables

- Use a suitable glass Pyrex container with a lid.
- When cooking is complete, let stand for the specified time. This allows the food to even out inside.
- Use only microwave-safe cookware.
- Stir twice during cooking and once after cooking, and then add seasoning to your preference.

Food	Serving Size	Power	Time (min.)
Spinach	0.3 lbs.	60 %	5-6
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		
Broccoli	0.7 lbs.	60 %	8-9
	Add 30 ml (2 tbsp) cold water. Stand for 2-3 minutes.		
Peas	0.7 lbs.	60 %	7-8
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		
Green Beans	0.7 lbs.	60 %	7½-8½
	Add 30 ml (2 tbsp) cold water. Stand for 2-3 minutes.		
Mixed Vegetables (Carrots/Peas/ Corn)	0.7 lbs.	60 %	7-8
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		
Mixed Vegetables (Chinese style)	0.7 lbs.	60 %	7½-8½
	Add 15 ml (1 tbsp) cold water. Stand for 2-3 minutes.		

Fresh vegetables

- Use a suitable glass Pyrex container with a lid.
- Cut ingredients into as small pieces as possible to reduce the cooking time.
- Add 30-45 ml of cold water to every 250 g unless otherwise specified.
- Stir once during cooking and once after cooking, and then add seasoning to your preference.

Food	Serving Size	Power	Time (min.)
Broccoli	0.6 lbs. 1.0 lbs.	90 %	4½-5 7-8
	Prepare even sized florets. Arrange the stems to the centre. Stand for 3 minutes.		
Brussels Sprouts	0.6 lbs.	90 %	6-6½
	Add 60-75 ml (4-5 tbsp) water. Stand for 3 minutes.		
Carrots	0.6 lbs.	90 %	4½-5
	Cut carrots into even sized slices. Stand for 3 minutes.		
Cauliflower	0.6 lbs. 1.0 lbs.	90 %	5-5½ 7½-8½
	Prepare even sized florets. Cut big florets into halves. Arrange stems to the centre. Stand for 3 minutes.		
Courgettes	0.6 lbs.	90 %	4-4½
	Cut courgettes into slices. Add 30 ml (2 tbsp) water or a knob of butter. Cook until just tender. Stand for 3 minutes.		
Egg plants	0.6 lbs.	90 %	3½-4
	Cut egg plants into small slices and sprinkle with 1 tbsp lemon juice. Stand for 3 minutes.		
Leeks	0.6 lbs.	90 %	4-4½
	Cut leeks into thick slices. Stand for 3 minutes.		

Cooking guide

Food	Serving Size	Power	Time (min.)
Mushrooms	0.25 lbs.	90 %	1½-2
	0.6 lbs.		2½-3
Prepare small whole or sliced mushrooms. Do not add any water. Sprinkle with lemon juice. Spice with salt and pepper. Drain before serving. Stand for 3 minutes.			
Onions	0.6 lbs.	90 %	5-5½
	Cut onions into slices or halves. Add only 15 ml (1 tbs) water. Stand for 3 minutes.		
Pepper	0.6 lbs.	90 %	4½-5
	Cut pepper into small slices. Stand for 3 minutes.		
Potatoes	0.6 lbs.	90 %	4-5
	1.0 lbs.		7-8
Weigh the peeled potatoes and cut them into similar sized halves or quarters. Stand for 3 minutes.			
Turnip Cabbage	0.6 lbs.	90 %	5½-6
	Cut turnip cabbage into small cubes. Stand for 3 minutes.		

Rice and pasta

Rice

- Use a large-sized glass Pyrex container with a lid. Note that rice doubles in volume during cooking.

Pasta

- Use a large-sized glass Pyrex container. Cook uncovered.
- Add boiling water and a little salt, and stir well. Stir several times during and after cooking.
- Cover with a lid while letting stand, and then drain well.

Food	Serving Size	Power	Time (min.)
White Rice (Parboiled)	0.6 lbs.	90 %	15-16
	0.8 lbs.		17½-18½
Add 500 ml cold water. (0.6 lbs.), Add 750 ml cold water. (0.8 lbs.) Stand for 5 minutes.			
Brown Rice (Parboiled)	0.6 lbs.	90 %	20-21
	0.8 lbs.		22-23
Add 500 ml cold water. (250 g), Add 750 ml cold water. (375 g) Stand for 5 minutes.			
Mixed Rice (Rice + Wild Rice)	0.6 lbs.	90 %	16-17
	Add 500 ml cold water. Stand for 5 minutes.		
Mixed Corn (Rice + Grain)	0.6 lbs.	90 %	17-18
	Add 400 ml cold water. Stand for 5 minutes.		
Pasta	0.6 lbs.	90 %	10-11
	Add 1000 ml hot water. Stand for 5 minutes.		

Reheating guide

General

This reheating guide is based on the condition that the room temperature is between 18 °C and 20 °C for liquid, and between 5 °C and 7 °C for chilled food. Follow the operating time, power level, and standing time specified in this table.

Food	Serving Size	Power	Time (min.)
Drinks (Coffee, tea and water)	150 ml (1 cup)	90 %	1-1½
	300 ml (2 cups)		2-2½
	450 ml (3 cups)		3-3½
	600 ml (4 cups)		3½-4
Pour into cups and reheat uncovered: 1 cup in the centre, 2 cups opposite of each other, 3 cups in a circle. Keep in microwave oven during standing time and stir well. Stand for 1-2 minutes.			
Soup (Chilled)	0.6 lbs.	90 %	2½-3
	0.8 lbs.		3-3½
	1 lbs.		3½-4
	1.2 lbs.		4½-5
Pour into a deep ceramic plate or deep ceramic bowl. Cover with plastic lid. Stir well after reheating. Stir again before serving. Stand for 2-3 minutes.			
Stew (Chilled)	0.8 lbs.	60 %	4½-5½
	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)	0.8 lbs.	60 %	3½-4½
	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.		

Food	Serving Size	Power	Time (min.)
Filled Pasta with Sauce (Chilled)	0.8 lbs.	60 %	4-5
	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)	0.8 lbs.	60 %	4½-5
	1.0 lbs.		5½-6½
Plate a meal of 2-3 chilled components on a ceramic dish. Cover with microwave cling-film. Stand for 3 minutes.			
Cheese Fondue Ready-to- Serve (Chilled)	0.9 lbs.	60 %	6-7
	Put the ready-to-serve cheese fondue in a suitable sized glass pyrex bowl with lid. Stir occasionally during and after reheating. Stir well before serving. Stand for 1-2 minutes.		

Cooking guide

Special care for baby food

To prevent accidents such as burns, special care must be taken for baby food before serving. Make sure to strictly follow this reheating guide for baby food.

Baby food

- Use a deep ceramic plate and cover it with a plastic lid.
- Recommended serving temperature is 30-40 °C.

Baby milk

- Use a sterilised glass bottle and reheat it uncovered.
- Remove the teat before reheating. Otherwise, the milk in the bottle boils over.

Food	Serving Size	Power	Time (sec.)
Baby Food (Vegetables + Meat)	0.4 lbs.	60 %	30
	Empty into ceramic deep plate. Cook covered. Stir after cooking time. Before serving, stir well and check the temperature carefully. Stand for 2-3 minutes.		
Baby Porridge (Grain + Milk + Fruit)	0.4 lbs.	60 %	20
	Empty into ceramic deep plate. Cook covered. Stir after cooking time. Before serving, stir well and check the temperature carefully. Stand for 2-3 minutes.		
Baby Milk	100 ml 200 ml	30 %	30-40 60-70
	Stir or shake well and pour into a sterilised glass bottle. Place into the centre of turn-table. Cook uncovered. Shake well and stand for at least 3 minutes. Before serving, shake well and check the temperature carefully.		

Defrosting guide

This defrosting guide is based on the condition that frozen food is between -18 °C and -20 °C in internal temperatures. The standing time varies depending on the food type (meat or vegetables) and serving size (thinner or thicker pieces of food).

- Put frozen food in a microwave-safe container uncovered.
- Turn it over halfway through defrosting time and drain well when complete.

	Food	Serving Size	Power	Time (min.)
Meat	Minced Meat	0.6 lbs. 1.1 lbs.	20 %	6-7 8-13
	Pork Steaks	0.6 lbs.		7-8
Place the meat on turntable. Shield thinner edges with aluminium foil. Turn over after half of defrosting time! Stand for 15-30 minutes.				
Poultry	Chicken Pieces	1.1 lbs. (2 pcs.)	20 %	14-15
	Whole Chicken	2.7 lbs.		32-34
First, put chicken pieces first skin-side down, whole chicken first breast-side-down on a flat ceramic plate. Shield the thinner parts like wings and ends with aluminium foil. Turn over after half of defrosting time! Stand for 15-60 minutes.				
Fish	Fish Fillets	0.4 lbs.	20 %	6-7
	Whole Fish	0.9 lbs.		11-13
Put frozen fish in the middle of a flat ceramic plate. Arrange the thinner parts under the thicker parts. Shield narrow ends of fillets and tail of whole fish with aluminium foil. Turn over after half of defrosting time! Stand for 10-25 minutes.				
Fruits	Berries	0.7 lbs.	20 %	6-7
	Spread fruit on a flat, round glass dish (with a large diameter). Stand for 5-10 minutes.			

Food	Serving Size	Power	Time (min.)
Bread	Bread Rolls (Each ca. 50 g)	20 %	2 pcs. 4 pcs.
	Toast/Sandwich		0.6 lbs.
	German Bread (Wheat + Rye Flour)		1.1 lbs.
	Arrange rolls in a circle or bread horizontally on kitchen paper in the middle of turntable. Turn over after half of defrosting time! Stand for 5-20 minutes.		

Quick & Easy

Melting crystallized honey

Put 20 g crystallized honey into a small deep glass dish. Heat for 20-30 seconds using 30 %, until honey is melted.

Melting gelatine

Lay dry gelatine sheets (10 g) for 5 minutes into cold water. Put drained gelatine into a small glass pyrex bowl. Heat for 1 minute using 30 %. Stir after melting.

Cooking glaze/icing (for cake and gateaux)

Mix instant glaze (approximately 14 g) with 40 g sugar and 250 ml cold water. Cook uncovered in a glass pyrex bowl for 3½ to 4½ minutes using 90 %, until glaze/icing is transparent. Stir twice during cooking.

Cooking jam

Put 600 g fruits (for example mixed berries) in a suitable sized glass pyrex bowl with lid. Add 300 g preserving sugar and stir well. Cook covered for 10-12 minutes using 90 %. Stir several times during cooking. Empty directly into small jam glasses with twist-off lids. Stand on lid for 5 minutes.

Cooking pudding/ custard

Mix pudding powder with sugar and milk (500 ml) by following the manufacturers instructions and stir well. Use a suitable sized glass pyrex bowl with lid. Cook covered for 6½ to 7½ minutes using 90 %. Stir several times well during cooking.

Browning almond slices

Spread 30 g sliced almonds evenly on a medium sized ceramic plate. Stir several times during browning for 3½ to 4½ minutes using 60 %. Let it stand for 2-3 minutes in the oven. Use oven gloves while taking out!

Troubleshooting and information code

Troubleshooting

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

Problem	Cause	Action
General		
The buttons cannot be pressed properly.	Foreign matter may be caught between the buttons.	Remove the foreign matter and try again.
	For touch models: Moisture is on the exterior.	Wipe the moisture from the exterior.
	Child lock is activated.	Deactivate Child lock.
The time is not displayed.	The Eco (power-saving) function is set.	Turn off the Eco function.
The microwave oven does not work.	Power is not supplied.	Make sure power is supplied.
	The door is open.	Close the door and try again.
	The door open safety mechanisms are covered in foreign matter.	Remove the foreign matter and try again.
The microwave oven stops while in operation.	The user has opened the door to turn food over.	After turning over the food, press the START/+30s button again to start operation.

Problem	Cause	Action
The power turns off during operation.	The microwave oven has been cooking for an extended period of time.	After cooking for an extended period of time, let the microwave oven cool.
	The cooling fan is not working.	Listen for the sound of the cooling fan.
	Trying to operate the microwave oven without food inside.	Put food in the microwave oven.
	There is not sufficient ventilation space for the microwave oven.	There are intake/exhaust outlets on the front and rear of the microwave oven for ventilation. Keep the gaps specified in the product installation guide.
	Several power plugs are being used in the same socket.	Designate only one socket to be used for the microwave oven.
There is a popping sound during operation, and the microwave oven doesn't work.	Cooking sealed food or using a container with a lid may causes popping sounds.	Do not use sealed containers as they may burst during cooking due to expansion of the contents.

Problem	Cause	Action
The microwave oven exterior is too hot during operation.	There is not sufficient ventilation space for the microwave oven.	There are intake/exhaust outlets on the front and rear of the microwave oven for ventilation. Keep the gaps specified in the product installation guide.
	Objects are on top of the microwave oven.	Remove all objects on the top of the microwave oven.
The door cannot be opened properly.	Food residue is stuck between the door and microwave oven interior.	Clean the microwave oven and then open the door.
Heating including the Warm function does not work properly.	The microwave oven may not work, too much food is being cooked, or improper cookware is being used.	Put one cup of water in a microwave-safe container and run the microwave for 1-2 minutes to check whether the water is heated. Reduce the amount of food and start the function again. Use a cooking container with a flat bottom.
The thaw function does not work.	Too much food is being cooked.	Reduce the amount of food and start the function again.
The interior light is dim or does not turn on.	The door has been left open for a long time.	The interior light may automatically turn off when the Eco function operates. Close and reopen the door or press the STOP/Eco button.
	The interior light is covered by foreign matter.	Clean the inside of the microwave oven and check again.

Problem	Cause	Action
A beeping sound occurs during cooking.	If the Auto Cook function is being used, this beeping sound means it's time to turn over the food during thawing.	After turning over the food, press the START/+30s button again to restart operation.
The microwave oven is not level.	The microwave oven is installed on an uneven surface.	Make sure the microwave oven is installed on flat, stable surface.
There are sparks during cooking.	Metal containers are used during the microwave oven/thawing functions.	Do not use metal containers.
When power is connected, the microwave oven immediately starts to work.	The door is not properly closed.	Close the door and check again.
There is electricity coming from the microwave oven.	The power or power socket is not properly grounded.	Make sure the power and power socket are properly grounded.
<ol style="list-style-type: none"> 1. Water drips. 2. Steam emits through a door crack. 3. Water remains in the microwave oven. 	There may be water or steam in some cases depending on the food. This is not an microwave oven malfunction.	Let the microwave oven cool and then wipe with a dry dish towel.

Troubleshooting and information code

Problem	Cause	Action
The brightness inside the microwave oven varies.	Brightness changes depending on power output changes according to function.	Power output changes during cooking are not malfunctions. This is not an microwave oven malfunction.
Cooking is finished, but the cooling fan is still running.	To ventilate the microwave oven, the cooling fan continues to run for about 3 minutes after cooking is complete.	This is not an microwave oven malfunction.
Turntable		
While turning, the turntable comes out of place or stops turning.	There is no roller ring, or the roller ring is not properly in place.	Install the roller ring and then try again.
The turntable drags while turning.	The roller ring is not properly in place, there is too much food, or the container is too large and touches the inside of the microwave.	Adjust the amount of food and do not use containers that are too large.
The turntable rattles while turning and is noisy.	Food residue is stuck to the bottom of the microwave oven.	Remove any food residue stuck to the bottom of the microwave oven.

Problem	Cause	Action
Microwave oven		
The microwave oven does not heat.	The door is open.	Close the door and try again.
Smoke comes out during preheating.	During initial operation, smoke may come from the heating elements when you first use the microwave oven.	This is not a malfunction, and if you run the microwave oven 2-3 times, it should stop.
	Food is on the heating elements.	Let the microwave oven cool and then remove the food from the heating elements.
There is a burning or plastic smell when using the microwave oven.	Plastic or non heat-resistant cookware is used.	Use glass cookware suitable for high temperatures.
There is a bad smell coming from inside the microwave oven.	Food residue or plastic has melted and stuck to the interior.	Use the steam function and then wipe with a dry cloth. You can put a lemon slice inside and run the microwave oven to remove the odour more quickly.

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	MS11T5018A*
Power source	120 V ~ 60 Hz
Power consumption Microwave	1500 W
Output power	100 W / 900 W (IEC-705)
Operating frequency	2450 MHz
Dimensions (W x H x D) Outside (Include Handle) Oven cavity	20 ³ / ₈ x 11 ³ / ₄ x 16 ¹ / ₈ inch 14 ¹ / ₁₆ x 10 ¹ / ₁₆ x 14 ¹ / ₁₆ inch
Volume	1.1 Cu.ft
Weight Net	33.95 lb

Problem	Cause	Action
The microwave oven does not cook properly.	The microwave oven door is frequently opened during cooking.	If you open the door often, the interior temperature will be lowered and this may affect the results of your cooking.
	The microwave oven controls are not correctly set.	Correctly set the microwave oven controls and try again.
	The wrong type or size of cookware is used.	Use suitable cookware with flat bottoms.

Information code

Information code	Cause	Action
C-d0	Control buttons are pressed over 10 seconds.	Clean the keys and check if there is water on the surface around key. If it occurs again, turn off the microwave oven over 30 seconds and try setting again. If it appears again, call your local SAMSUNG Customer Care Centre.

NOTE

if the suggested solution does not solve the problem, contact your local SAMSUNG Customer Care Centre.

Warranty

SAMSUNG OVER-THE-RANGE (OTR) MICROWAVE OVEN

LIMITED WARRANTY TO ORIGINAL PURCHASER

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

ONE (1) YEAR PARTS AND LABOR, FIVE (5) YEARS PARTS WARRANTY FOR MAGNETRON

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 Dented, Scratched, or Broken Door, Handle, Out-Panel, or Control Panel
- A Broken or missing Tray, Guide Roller, Coupler, Filter, or Wire Rack

User Replaceable Parts may be sent to the customer for unit repair. If necessary, a Service Engineer can be dispatched to perform service.

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

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

In-home service will be provided during the warranty labor period subject to availability within the contiguous Canada. In-home service is not available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

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

Memo

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To obtain warranty service, please contact SAMSUNG at:

1-800-SAMSUNG (726-7864) or
www.samsung.com/ca/support (English)
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* Requires reader to be installed on your
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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.

QUESTIONS OR COMMENTS ?

COUNTRY	CALL	OR VISIT US ONLINE AT
U.S.A Consumer Electronics	1-800-SAMSUNG (726-7864)	www.samsung.com/us/support
CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca/support (English) www.samsung.com/ca_fr/support (French)