

USER MANUAL

MICROWAVE OVEN WITH GRILL

MODEL:SIMW90D25



SINGER[®]
TECHNOLOGIES
AT HOME WORLDWIDE

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

1. 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.
2. Do not place any object between the oven front face and the door or allow food or cleaner residue to accumulate on sealing surfaces.
3. 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
 - a. Door (bent),
 - b. Hinges and latches (broken or loosened),
 - c. Door seals and sealing surfaces.
4. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

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SPECIFICATIONS

Power Consumption	230-240V/50Hz, 1400W(Microwave)
	1000W(Grill)
Rated Microwave Power Output	900W
Operation Frequency	2450MHz
Outside Dimensions	281mm(H)×483mm(W)×420mm(D)
Oven Cavity Dimensions	220mm(H)×340mm(W)×344mm(D)
Oven Capacity	25Litres
Cooking Uniformity	Turntable System
Net Weight	Approx. 14.5 kg

BEFORE YOU CALL FOR SERVICE

If the oven fails to operate:

1. Check to ensure that the oven is plugged in securely. If it is not, remove the plug from the outlet, wait 10 seconds, and plug it in again securely.
2. Check for a blown circuit fuse or a tripped main circuit breaker. If these seem to be operating properly, test the outlet with another appliance.
3. Check to ensure that the control panel is programmed correctly and the timer is set.
4. Check to ensure that the door is securely closed engaging the door safety lock system. Otherwise, the microwave energy will not flow into the oven.

IF NONE OF THE ABOVE RECTIFIES THE SITUATION, THEN CONTACT A QUALIFIED TECHNICIAN. DO NOT TRY TO ADJUST OR REPAIR THE OVEN YOURSELF.

INSTALLATION

1. Make sure that all the packing materials are removed from the inside of the door.
2. **WARNING:** Check the oven for any damage, such as misaligned or bent door, damaged door seals and sealing surface, broken or loose door hinges and latches and dents inside the cavity or on the door. If there is any damage, do not operate the oven and contact qualified service personnel.
3. This microwave oven must be placed on a flat, stable surface to hold its weight and the heaviest food likely to be cooked in the oven.
4. Do not place the oven where heat, moisture, or high humidity are generated, or near combustible materials.
5. For correct operation, the oven must have sufficient airflow. Allow 20cm of space above the oven, 10cm at back and 5cm at both sides. Do not cover or block any openings on the appliance. Do not remove feet.
6. Do not operate the oven without glass tray, roller support, and shaft in their proper positions.
7. Make sure that the power supply cord is undamaged and does not run under the oven or over any hot or sharp surface.
8. The socket must be readily accessible so that it can be easily unplugged in an emergency.
9. Do not use the oven outdoors.

GROUNDING INSTRUCTIONS

This appliance must be grounded. This oven is equipped with a cord having a grounding wire with a grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded. In the event of an electrical short circuit, grounding reduces risk of electric shock by providing an escape wire for the electric current. It is recommended that a separate circuit serving only the oven be provided. Using a high voltage is dangerous and may result in a fire or other accident causing oven damage.

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

Note:

1. If you have any questions about the grounding or electrical instructions, consult a qualified electrician or service person.
2. Neither the manufacturer nor the dealer can accept any liability for damage to the oven or personal injury resulting from failure to observe the electrical connection procedures.

The wires in this cable main are colored in accordance with the following code:

Green and Yellow = EARTH

Blue = NEUTRAL

Brown = LIVE

RADIO INTERFERENCE

Operation of the microwave oven can cause interference to your radio, TV, or similar equipment.

When there is interference, it may be reduced or eliminated by taking the following measures:

1. Clean door and sealing surface of the oven.
2. Reorient the receiving antenna of radio or television.
3. Relocate the microwave oven with respect to the receiver.
4. Move the microwave oven away from the receiver.
5. Plug the microwave oven into a different outlet so that microwave oven and receiver are on different branch circuits.

IMPORTANT SAFETY INSTRUCTIONS

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

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

1. Read all instructions before using the appliance.
2. Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook or dry food. It is not designed for industrial or laboratory use.
3. Do not operate the oven when empty.
4. 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. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard
5. **WARNING:** Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.

6. To reduce the risk of fire in the oven cavity:
 - a. When heating food in plastic or paper container, check the oven frequently to the possibility of ignition.
 - b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - c. If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames.
 - 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.
7. **WARNING:** Liquid or other food must not be heated in sealed containers since they are liable to explode.
8. Microwave heating of beverage can result in delayed eruptive boiling, therefore care has to be taken when handle the container.
9. Do not fry food in the oven. Hot oil can damage oven parts and utensils and even result in skin burns.
10. 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.
11. Pierce foods with heavy skins such as potatoes, whole squashes, apples and chestnuts before cooking.
12. The contents of feeding bottles and baby jars should be stirred or shaken and the temperature should be checked before serving in order to avoid burns.
13. Cooking utensils may become hot because of heat transferred from the heated food. Potholders may be needed to handle the utensil.
14. Utensils should be checked to ensure that they are suitable for use in microwave oven.
15. **Utensil Test:** Place the empty utensil in the oven, microwave at high power for 60 seconds. A utensil which becomes very hot should not be used.
16. **WARNING:** It is hazardous for anyone other than a trained person to carry out any service or repair operation which involves the removal of any cover which gives protection against exposure to microwave energy.
17. This product is a Group 2 Class B ISM equipment. The definition of Group 2 which contains all ISM (Industrial, Scientific and Medical) equipment in which radio-frequency energy is intentionally generated and/or used in the form of electromagnetic radiation for the treatment of material, and spark erosion 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 purpose.
18. 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.
19. Children should be supervised to ensure that they do not play with the appliance.
20. 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.
21. 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;
22. The **microwave oven** shall not be placed in a cabinet unless it has been tested in a cabinet (The manufacturer shall state in the instructions whether the **microwave oven** is intended to be used freestanding, built-in or in a cabinet. The minimum dimension of the cabinet shall be given by the manufacturer.);
23. For **microwave ovens** having an additional decorative door, and for **microwave ovens** intended to be used in a cabinet, the instructions for use shall state that the microwave oven must be operated with the decorative door open.

MICROWAVE COOKING PRINCIPLES

1. Arrange food carefully. Place thickest areas towards outside of dish.
2. Watch cooking time. Cook for the shortest amount of time indicated and add more as needed. Food severely overcooked can smoke or ignite.
3. Cover foods while cooking. Covers prevent spattering and help foods to cook evenly.
4. Turn foods over once during microwaving to speed cooking of such foods as chicken and hamburgers. Large items like roasts must be turned over at least once.
5. Rearrange foods such as meatballs halfway through cooking both from top to bottom and from the center of the dish to the outside.

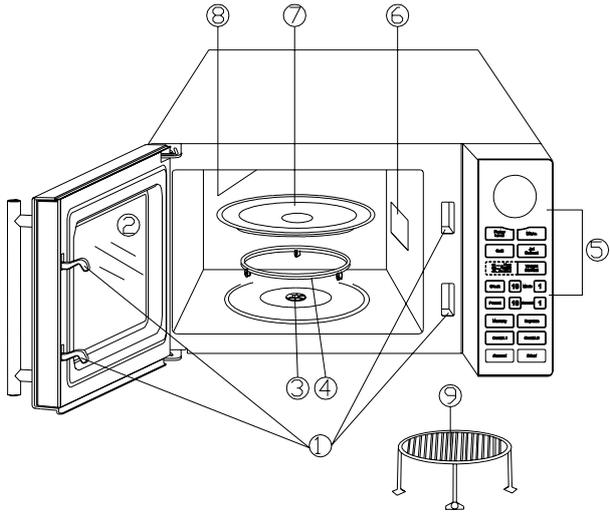
UTENSILS GUIDE

1. The ideal material for a microwave utensil is transparent to microwave, it allows energy to pass through the container and heat the food.
2. Microwave can not penetrate metal, so metal utensils or dishes with metallic trim should not be used.
3. Do not use recycled paper products when microwave cooking, as they may contain small metal fragments which may cause sparks and/or fires.
4. Round /oval dishes rather than square/oblong ones are recommend, as food in corners tends to overcook.
5. Narrow strips of aluminum foil may be used to prevent overcooking of exposed areas. But be careful don't use too much and keep a distance of 1 inch (2.54cm) between foil and cavity.

The list below is a general guide to help you select the correct utensils.

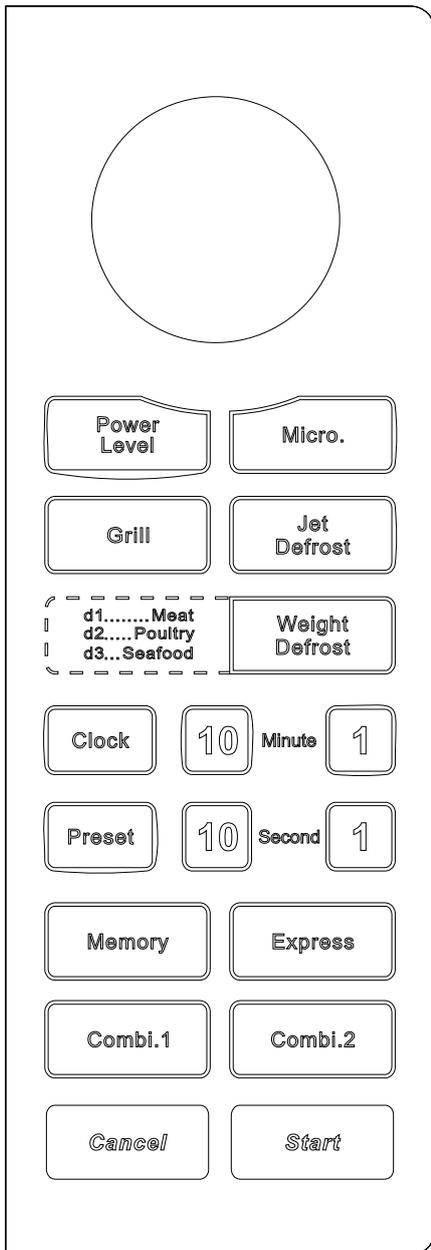
COOKWARE	MICROWAVE	GRILL	COMBINATION
Heat-Resistant Glass	Yes	Yes	Yes
Non Heat-Resistant Glass	No	No	No
Heat-Resistant Ceramics	Yes	Yes	Yes
Microwave-Safe Plastic Dish	Yes	No	No
Kitchen Paper	Yes	No	No
Metal Tray	No	Yes	No
Metal Rack	No	Yes	No
Aluminum Foil & Foil Containers	No	Yes	No

PART NAMES



1. Door Safety Lock System
2. Oven Window
3. Shaft
4. Turntable Roller
5. Control Panel
6. Wave Guide (Please do not remove the mica plate covering the wave guide)
7. Glass Tray
8. Grill Heater
9. Metal Rack

CONTROL PANEL



- **MENU ACTION SCREEN**

Cooking time, power, action indicators, and clock time are displayed.

- **POWER LEVEL**

Press this button a number of times to set cooking power level.

- **MICRO.**

Touch this button to set a microwave cooking program.

- **GRILL**

Press it to set a grill cooking program.

- **JET DEFROST**

Customize defrosting time for food outside the categories or exceeding the max. allowable weight by weight defrost.

- **WEIGHT DEFROST**

Automatically sets proper defrosting cycle once you have entered the weight of the food to be thawed.

- **CLOCK**

Use to set the time of day or recall the time of day. The time of day will be displayed at all times except when the oven is operating. In the event of a power failure or if the oven is unplugged, the clock will have to be reset.

- **PRESET**

Preset function allows you to put food into the oven and program it to start cooking at a later time.

- **QUICK MINUTE BUTTONS**

Touch to set clock, cooking time, enter food weight.

- **MEMORY**

Use this button to set a multistage cooking program.

- **EXPRESS**

To start the oven quickly at full microwave power, you can press this button a number of times to indicate cooking time.

- **COMBI. 1 & 2**

Touch this button when you want to set a combination cooking session.

- **CANCEL**

Touch to clear the current setting or reset the system.

- **START**

Touch to start a cooking program.

HOW TO SET THE OVEN CONTROLS

Each time a button is touched, a beep will sound to acknowledge the touch.

SETTING THE CLOCK

To enter the oven clock time. For example, to set clock time 12:30

1. Touch CLOCK button.
2. Touch number pad to enter clock time.
3. Touch CLOCK button again to confirm.

You can check the clock time when cooking is in progress by touching the CLOCK button.

MICROWAVE COOKING

Suppose you want to cook for 5 minutes at 60% of microwave power.

1. Touch MICRO. button.
2. Touch number pad to enter desired cooking time.
3. Touch POWER LEVEL button several times to select desired power level.
4. Touch START button.

Step 3 is not necessary if you are to cook at 100% power level. The longest cooking time is 99 minutes and 99 seconds.

-----POWER BUTTON-----

By pressing the POWER button a number of times, you are selecting different microwave power levels as the following table shows:

Description	Power Level
High	100%
Medium high	80%
Middle	60%
Medium low	40%
Low	20%
zero	0%

GRILL COOKING

Grill cooking is particularly useful for thin slices of meat, steaks, chops, kebabs, sausages or pieces of chicken. It is also suitable for hot sandwiches and au grain dishes. The longest cooking time is 99 minutes and 99 seconds.

Suppose you want to grill for 40 minutes.

1. Touch GRILL button.
2. Touch number pad to enter desired cooking time.
3. Touch START button.

COMBINATION COOKING

COMBINATION 1

30% time for microwave cooking.

70% time for grill cooking.

Use for fish, au gratin, etc.

COMBINATION 2

55% time for microwave cooking.

45% time for grill cooking.

Use for cooking pudding omelets, baked potatoes, and poultry.

Suppose you want to set the oven to COMBINATION 2 for 25 minutes.

1. Touch COMBI. 2 button.
2. Touch number pad to enter desired cooking time.
3. Touch START button.

MULTI-STAGE COOKING

The oven can be programmed to do several consecutive functions.

The following steps are needed if we are going to set a cooking program which involves jet defrost, microwave, and grill.

1. Touch CANCEL button to reset the system.
2. Input jet-defrost program.
3. Touch MEMORY button
4. Input microwave-cooking program.
5. Touch MEMORY button.
6. Input grill-cooking program.
7. Touch START button.

NOTE:

Logically, JET DEFROST can only be set in the first stage; EXPRESS cooking and WEIGHT DEFROST can not be set in the multistage cooking mode.

The respective lights will turn on to indicate which stage the oven is operating in. After total time has elapsed, beeps will sound.

PRESET COOKING

You can put food into the oven, and program the oven to start up in a later time.

Suppose you want to set the oven to start-up at 2 o'clock.

1. Place food into the oven.
2. Set a cooking program.
3. Touch PRESET button.
4. Touch number pads to enter preset time.
5. Touch START button.

NOTE:

During cooking, you can check the preset time by pressing PRESET; if you want to clear the preset function, just press CANCEL button.

EXPRESS COOKING

With express cooking, you touch the EXPRESS button a number of times to select cooking time (15 seconds, 30 seconds, 1 minute or 2 minutes) and the oven will work at full power level.

Suppose you want to set the oven to microwave for 1 minute at 100% power

level.

1. Touch the EXPRESS button several times until "1:00" appears in the display.
2. Touch START button.

NOTE:

Express cooking can not be set in the Preset function and Multistage cooking program.

WEIGHT DEFROST

Automatically sets proper defrosting cycle once you have entered the weight of the food to be thawed. Maximum allowable weight for each category is shown below.

FOOD CATEGORY	MAXIMUM WEIGHT	DISPLAY
Meat	2300g	d1
Poultry	4000g	d2
Seafood	900g	d3

Suppose you want to defrost 600g shrimp.

1. Touch WEIGHT DEFROST button 3 times. "d3" will appear in the display.
2. Touch 1-MIN. button several times until the desired weight is displayed.
3. Touch START button.

NOTE:

10-MIN =1kg 1-MIN=100g
 10-SEC= 10g 1-SEC=1g

During defrosting program, the system will pause and sound beeps to remind user to turn food over, and then press START to resume the defrosting.

For food exceeding these maximum weights, use the JET DEFROST program.

To serve as a reminder, after a cooking or defrosting function has completed, the oven makes beeps every two minutes until the door is opened or the CANCEL button is touched.

Jet Defrost

With JET DEFROST, you need to input defrosting time and turn over food at the middle of cooking time to obtain uniform cooking.

DEFROST for 5 minutes and 30 seconds.

1. Touch JET DEFROST button.
2. Use number pads to enter defrosting time.
3. Touch START button.

NOTE:

During defrosting program, the system will pause and sound beeps to remind user to turn food over, and then press START to resume the defrosting.

CHILD LOCK

Use to prevent unsupervised operation of the oven by little children.

The CHILD LOCK indicator will show up on display screen, and the oven can not be operated while the CHILD LOCK is set.

To set the CHILD LOCK: Press and hold the

Suppose you want to set the oven to JET CANCEL button for 3 seconds, a beep will sound and lock indicator light will turn on.

To cancel the CHILD LOCK: Press and hold the CANCEL button for 3 seconds until lock indicator light turns off.

CLEANING AND CARE

1. Turn off the oven and remove the power plug from the wall socket before cleaning.
2. Keep the inside of the oven clean. When food splatters or spilled liquids adhere to oven walls, wipe with a damp cloth. Mild detergent may be used if the oven gets very dirty. Avoid the use of spray and other harsh cleaners as they may stain, streak or dull the door surface.
3. The outside surfaces should be cleaned with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
4. Wipe the door and window on both sides, the door seals and adjacent parts frequently with a damp cloth to remove any spills or spatters. Do not use abrasive cleaner.
5. Do not allow the control panel to become wet. Clean with a soft, damp cloth. When cleaning the control panel, leave oven door open to prevent oven from accidentally turning on.
6. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity condition. And it is normal.
7. It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm sudsy water or in a dishwasher.
8. The roller ring and oven floor should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent. The roller ring may be washed in mild sudsy water or dishwasher. When removing the roller ring from cavity floor for cleaning, be sure to replace in the proper position.
9. Remove odors from your oven by combining a cup of water with the juice and skin of one lemon in a deep microwaveable bowl, microwave for 5 minutes. Wipe thoroughly and dry with a soft cloth.
10. When it becomes necessary to replace the oven light, please consult a dealer to have it replaced.
11. The oven should be cleaned regularly and any food deposits removed. Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.
12. Please do not dispose this appliance into the domestic rubbish bin; it should be disposed to the particular disposal center provided by the municipalities.
13. When the microwave oven with grill function is first used, it may produce slight smoke and smell. This is a normal phenomenon, because the oven is made of a steel plate coated with lubricating oil, and the new oven will produce fumes and odor generated by burning the lubricating oil. This phenomenon will disappear after a period of using.

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