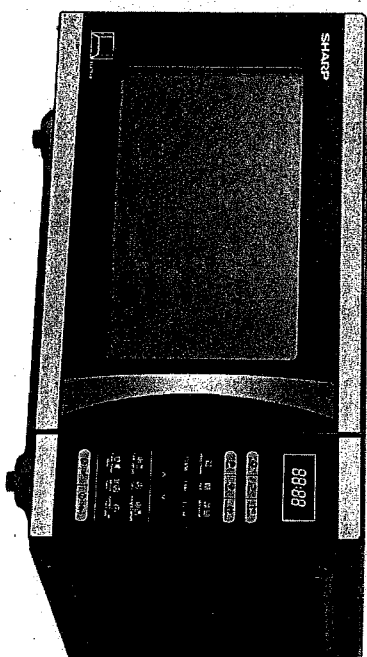


SHARP

Important



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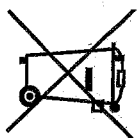
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MICROWAVE OVEN WITH GRILL AND CONVECTION - OPERATION MANUAL

This operation manual contains important information which you should read carefully before using your microwave oven.

IMPORTANT: There may be a serious risk to health if this operation manual is not followed or if the oven is modified so that it operates with the door open.



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union
Attention: if you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by members states private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*.

In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

* Please contact your local authority for further details.

If you used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users

1. In the European Union

If the product is used for business purposes and you want to discard it: Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

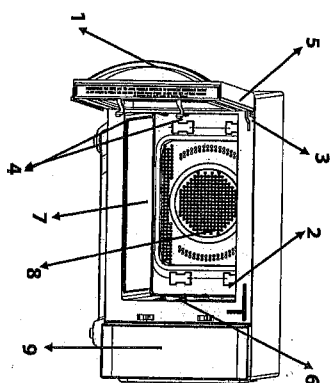
2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

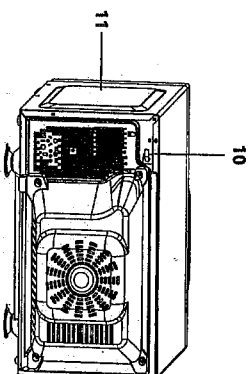
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OVEN AND ACCESSORIES



- OVEN**
1. Door handle
 2. Oven lamp
 3. Door hinges
 4. Door safety latches
 5. Door
 6. Door seals and sealing surfaces
 7. Flatbed
 8. Oven cavity
 9. Control panel
 10. Power cord
 11. Outer cabinet



ACCESSORIES:

Check to make sure the following accessories are provided:

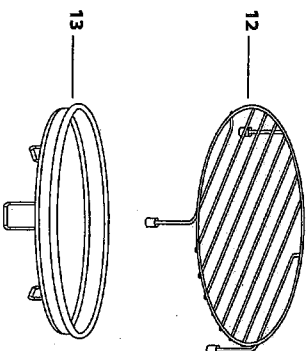
- 12. Rack
 - 13. Baking tray
- For use of the rack, refer to the grilling sections on page EN-16.

Never touch the grill when it is hot.

NOTE: When you order accessories, please mention two items: part name and model name to your dealer or SHARP authorised service agent.

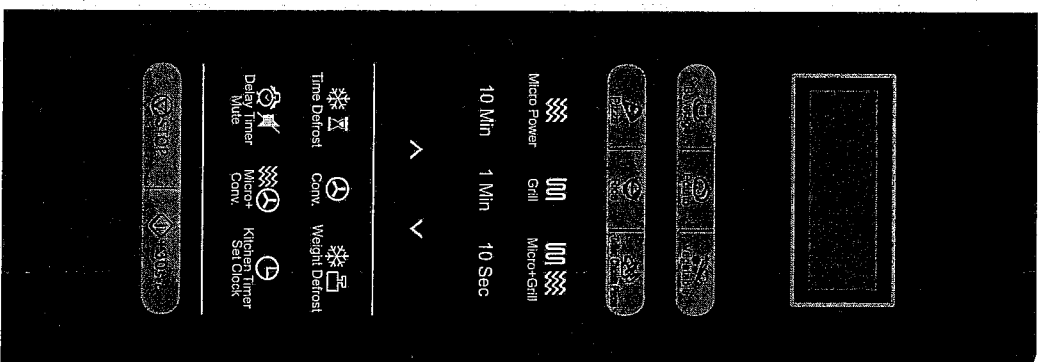
NOTES:

- The waveguide cover is fragile. Care should be taken when cleaning inside the oven to ensure that it is not damaged.
- After cooking fatty foods without a cover, always clean the cavity and especially the grill heating element thoroughly, these must be dry and free from grease. Built-up grease may overheat and begin to smoke or catch fire.



WARNING:
The door, outer cabinet, oven cavity, accessories and dishes will become very hot during operation. To prevent burns, always use thick oven gloves.

CONTROL PANEL



- **DISPLAY**
Cooking time, power, indicators and clock time are displayed.
- **AUTO COOK MENUS**
Instant settings to cook popular food.
- **MICRO POWER**
Press to select microwave power level.
- **GRILL**
Press to select Grill function
- **MICRO+GRILL**
Press to set microwave and grill combination cooking program.
- **NUMBER BUTTONS (10 MIN/1 MIN/10 SEC)**
Use to set time or food weight.
- **▲ / ▼**
Use to select auto cooking menu "A-1" ~ "A-7".
Use to select the food weight of "A-1" ~ "A-7".
- **TIME DEFROST**
Press to set defrost program based on time.
- **CONV.**
Press to set convection cooking program.
- **WEIGHT DEFROST**
Press to set defrost program based on weight.
- **DELAY TIMER/MUTE**
Press to start oven at later time or turn the sound on/off.
- **MICRO+CONV.**
Press to set microwave and convection combination cooking program.
- **KITCHEN TIMER/SET CLOCK**
Press to set kitchen timer or set clock time.
- **STOP/CANCEL**
Press once to temporarily stop cooking, or twice to cancel cooking altogether.
- **START/+30 SEC**
Press to start cooking program. Press to set express cooking program.

IMPORTANT SAFETY INSTRUCTIONS

READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

1. This oven is designed to be used on a countertop only. It is not designed to be built into a kitchen unit. Do not place the oven in a cabinet.
2. The oven door may become hot during cooking. Place or mount the oven so that the bottom of the oven is 85 cm or more above the floor. Keep children away from the door to prevent them burning themselves.
3. **WARNING:** Do not touch any cookware directly after cooking as it may be hot.
4. Ensure there is a minimum of free space above the oven of 30 cm.
5. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children unless they are older than 8 and supervised
6. Keep the appliance and its cord out of reach of children less than 8 years.
7. **WARNING:** Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use.



WARNING:

When the appliance is operated in the GRILL/COMBI and CONVECTION (°C) modes, children should only use the oven under adult supervision due to the temperature generated.

8. **WARNING:** Accessible parts may become hot during

IMPORTANT SAFETY INSTRUCTIONS



use. Young children should be kept away.

9. **WARNING:** If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person.

10. **WARNING:** Never adjust, repair or modify the oven yourself. It is hazardous for anyone other than a authorised repairer to carry out any service or repair operation which involves the removal of a cover which gives protection against exposure to microwave energy.

11. If the power supply cord of this appliance is damaged, it must be replaced with a special cord. The exchange must be made by an authorised SHARP service agent.

12. **WARNING:** Liquids and other foods must not be heated in sealed containers since they are liable to explode.
13. Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container.

14. Do not cook eggs in their shells, and whole hard boiled eggs should not be heated in microwave ovens since they may explode even after microwave cooking has ended. To cook or reheat eggs which have not been scrambled or mixed, pierce the yolks and the whites, or the eggs may explode. Shell and slice hard boiled eggs before reheating them in the microwave oven.

15. Utensils should be checked to ensure that they are suitable for use in the oven. See page EN-20. Use only microwave safe containers and utensils on microwave modes.

16. The contents of feeding bottles and baby food jars must be stirred or shaken and the temperature checked before consumption, in order to avoid burns.

17. The door, outer cabinet, oven cavity, dishes, accessories and especially the grill heating elements will become very hot during operation.

18. Care should be taken to avoid touching these areas.



IMPORTANT SAFETY INSTRUCTIONS

To prevent burns, always use thick oven gloves. Before cleaning make sure they are not hot. When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignition.

19. If smoke is emitted, switch off or unplug the appliance and keep the door closed in order to stifle any flames.

20. Clean the oven at regular intervals and remove any food deposits.

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. Do not use harsh abrasive cleaners or sharp metal scrapers to clean the glass on the oven door since they can scratch the surface, which may result in shattering of the glass.

23. Steam cleaner is not to be used.

24. See instructions for cleaning door seals, cavities and adjacent parts on page EN-21.

25. This appliance is intended to be used in household and similar applications such as:

- staff kitchen areas in shops, offices and other working environments;
- by clients in hotels, motels and other residential type environments;
- farm houses;
- bed and breakfast type environments.

26. **WARNING:** The appliance and its accessible parts become hot during use. Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.

27. During use the appliance becomes hot. Care should be taken to avoid touching heating elements inside the oven.

28. Accessible parts may become hot during use. Young



children should be kept away.

To avoid the danger of fire:

1. **The microwave oven should not be left unattended during operation. Power levels that are too high, or cooking times that are too long, may overheat foods resulting in a fire.**
2. The electrical outlet must be readily accessible so that the unit can be unplugged easily in an emergency.
3. The AC power supply must be 230-240V~, 50Hz.
4. A separate circuit serving only this appliance should be provided.
5. Do not place the oven in areas where heat is generated. For example, close to a conventional oven.
6. Do not install the oven in an area of high humidity or where moisture may collect.
7. Do not store or use the oven outdoors.
8. Clean the waveguide cover, the oven cavity after use. These must be dry and free from grease. Built-up grease may overheat and begin to smoke or catch fire.
9. Do not place flammable materials near the oven or ventilation openings.
10. Do not block the ventilation openings.
11. Remove all metallic seals, wire twists, etc., from food and food packages. Arcing on metallic surfaces may cause a fire.
12. Do not use the microwave oven to heat oil for deep frying. The temperature cannot be controlled and the oil may catch fire.
13. To make popcorn, use only special microwave popcorn makers.
14. Do not store food or any other items inside the oven.
15. Check the settings after you start the oven to ensure the oven is operating as desired.
16. To avoid overheating and fire, special care must be tak-



en when cooking or reheating foods with a high sugar or fat content, for example, sausage rolls, pies or Christmas pudding.

17. See the corresponding hints in the operation manual. To avoid the possibility of injury

1. WARNING:

Do not operate the oven if it is damaged or malfunctioning. Check the following before use:

- a) The door; make sure the door closes properly and ensure it is not misaligned or warped.
 - b) The hinges and safety door latches; check to make sure they are not broken or loose.
 - c) The door seals and sealing surfaces; ensure that they have not been damaged.
 - d) Inside the oven cavity or on the door; make sure there are no dents.
 - e) The power supply cord and plug; ensure that they are not damaged.
 2. Do not operate the oven with the door open or alter the door safety latches in any way.
 3. Do not operate the oven if there is an object between the door seals and sealing surfaces.
 4. Do not allow grease or dirt to build up on the door seals and adjacent parts. Clean the oven at regular intervals and remove any food deposits. Follow the instructions for "Care and Cleaning" on page EN-21.
 5. Individuals with PACEMAKERS should check with their doctor or the manufacturer of the pacemaker for precautions regarding microwave ovens.
- To avoid the possibility of electric shock**
1. Under no circumstances should you remove the outer cabinet.
 2. Never spill or insert any objects into the door lock openings or ventilation openings. In the event of a spill, turn

IMPORTANT SAFETY INSTRUCTIONS



off and unplug the oven immediately, and call an authorised SHARP service agent.

3. Do not immerse the power supply cord or plug in water or any other liquid.
4. Do not let the power supply cord hang over the edge of a table or work surface.
5. Keep the power supply cord away from heated surfaces, including the rear of the oven.
6. Do not attempt to replace the oven lamp yourself or allow anyone who is not an electrician authorised by SHARP to do so. If the oven lamp fails, please consult your dealer or an authorised SHARP service agent.

To avoid the possibility of explosion and sudden boiling:

1. Never use sealed containers. Remove seals and lids before use. Sealed containers can explode due to a build up of pressure even after the oven has been turned off. Take care when microwaving liquids. Use a wide mouthed container to allow bubbles to escape.
2. **Never heat liquids in narrow necked containers such as baby bottles, as this may result in the contents erupting from the container when heated and cause burns.**

To prevent sudden eruption of boiling liquid and possible scalding:

1. Do not use excessive amount of time.
2. Stir liquid prior to heating/reheating.
3. It is advisable to insert a glass rod or similar utensil (not metal) into the liquid whilst reheating.
4. Let liquid stand for at least 20 seconds in the oven at the end of cooking time to prevent delayed eruptive boiling.

3. Pierce the skin of such foods as potatoes, sausages and fruit before cooking, or they may explode.

To avoid the possibility of burns

1. Use pot holders or oven gloves when removing food



IMPORTANT SAFETY INSTRUCTIONS

from the oven to prevent burns.

2. Always open containers, popcorn makers, oven cooking bags, etc., away from the face and hands to avoid steam burns and eruption of boiling.
3. **To avoid burns, always test food temperature and stir before serving and pay special attention to the temperature of food and drink given to babies, children or the elderly. Temperature of the container is not a true indication of the temperature of the food or drink; always check the food temperature.**
4. Always stand back from the oven door when opening it to avoid burns from escaping steam and heat.
5. Slice stuffed baked foods after heating to release steam and avoid burns.

To avoid misuse by children

1. Do not lean or swing on the oven door.
2. Children should be taught all important safety instructions: use of pot holders, careful removal of food coverings; paying special attention to packaging (e.g. self-heating materials) designed to make food crisp, as they may be extra hot.

Other warnings

1. Never modify the oven in any way.
2. Do not move the oven while it is in operation.
3. This oven is for home food preparation only and may only be used for cooking food. It is not suitable for commercial or laboratory use.
4. Drying of food or clothing and heating of warming pads, slippers, sponges, damp cloth and similar may lead to risk of injury, ignition or fire.

To promote trouble free use of your oven and avoid damage:

1. Never operate the oven when it is empty except where recommended in the operation manual. Doing so may damage the oven.

IMPORTANT SAFETY INSTRUCTIONS



- When using a browning dish or selfheating material, always place a heatresistant insulator such as a porcelain plate under it to prevent damage to due to heat stress. The preheating time specified in the dish's instructions must not be exceeded.
- Do not use metal utensils, which reflect microwaves and may cause electrical arcing.
- Only use the supplied baking tray in convection mode to avoid damaging the Microwave
- Do not place anything on the outer cabinet during operation.

NOTE:

If you are unsure how to connect your oven, please consult an authorised, qualified electrician. Neither the manufacturer nor the dealer can accept any liability for damage to the oven or personal injury resulting from failure to observe the correct electrical connection procedure. Water vapour or drops may occasionally form on the oven walls or around the door seals and sealing surfaces. This is a normal occurrence and is not an indication of microwave leakage or a malfunction.

BUILT-IN KIT

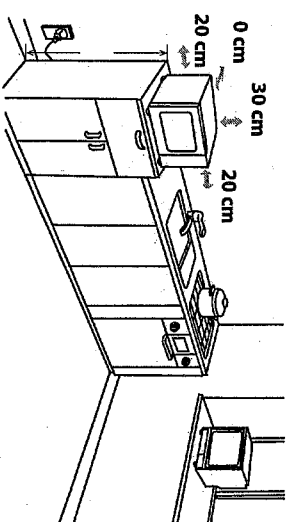
No built-in kit is available for this oven.
This oven is designed to be used on a countertop only.

EN	Additional information to the user manual concerning the operation safety
EN	The microwave oven is intended for heating food and beverages. Drying of food or clothing and heating of warming pads, slippers, sponges, damp cloth and similar may lead to risk of injury, ignition or fire.
EN	Do not use steam assisted cleaners to clean the appliance.



INSTALLATION

- Remove all packing materials from the inside of the oven cavity and remove any protective film found on the microwave oven cabinet surface. Check the oven carefully for any signs of damage.
- Place the oven on a secure, level surface, strong enough to take the oven weight, plus the heaviest item likely to be cooked in the oven. Do not place the oven in a cabinet.
- Select a level surface that provides enough open space for the intake and/or outlet vents. The rear surface of appliance shall be placed against a wall.
 - A minimum space of 20cm is required between the oven and any adjacent walls.
 - Leave a minimum space of 30cm above the oven.
 - Do not remove the feet from the bottom of the oven.
 - Blocking the intake and/or outlet openings can damage the oven.
- Place the oven as far away from radios and TV as possible. Operation of the microwave oven may cause interference to your radio or TV reception.



- The oven door may become hot during cooking. Place or mount the oven so that the bottom of the oven is 85cm or more above the floor. Keep children away from the door to prevent them burning themselves.

- Securely connect the plug of the oven to a standard earthed (grounded) household electrical outlet.

INSTALLATION



WARNING: Do not place the oven where heat, moisture or high humidity are generated, (for example, near or above a conventional oven) or near combustible materials (for example, curtains).

Do not block or obstruct air vent openings.
Do not place objects on top of the oven.

ELECTRICAL CONNECTION

- Do not allow water to come into contact with the power supply cord or plug.
- Insert the plug properly into the socket.
- Do not connect other appliances to the same socket using an adaptor plug.
- If the power supply cord is damaged, it must be replaced by a Sharp approved service facility or a similarly qualified person to avoid a hazard.
- When removing the plug from the socket always grip the plug, never the cord as this may damage the power supply cord and the connections inside the plug.
- If the plug fitted to your oven is a rewirable type and in the event of the socket outlet in your home not being compatible with the plug supplied, remove the plug properly (do not cut off).
- If the plug fitted to your oven is a nonrewirable type and in the event of the socket outlet in your home not being compatible with the plug supplied, cut-off the mains plug.



WARNING: THIS APPLIANCE MUST BE EARTHED



BEFORE OPERATION

- When the oven is plugged in for the first time, beep will sound and the display will show "1:00".
- If during the settings no operation is performed for 30 seconds, the oven will return to standby mode.
- During cooking, if you press **STOP/CANCEL** button once, the program will be paused, then press **START/+30 SEC** button to resume, but if you press **STOP/CANCEL** button twice, the program will be cancelled.
- After cooking end, the display will show "End" and beep will sound to remind user every two minutes until user press **STOP/CANCEL** button or open the door.
- During the process, if press a valid button, the buzzer rings once, but if you press a invalid button, the buzzer rings twice.



SETTING UP THE CLOCK

This microwave is equipped with a 24- or 12- hour clock. You can choose to set the clock time in 24- or 12- hour cycle by pressing the **KITCHEN TIMER/SET CLOCK** button in standby mode.

1. In standby mode, press and hold **KITCHEN TIMER/SET CLOCK** button for 3 seconds to select 24- hour clock, and then press it again to select 12- hour clock.
2. Use number buttons to enter correct time.
3. Press **KITCHEN TIMER/SET CLOCK** button to confirm the setting.



EXPRESS COOKING

Use this feature to program the oven to process food with 100% microwave power level. In standby mode, just press the **START/+30 SEC** several times to set cooking time (each press will increase the process length by 30 seconds, and up to 10 minutes). The oven will start working automatically at full power.



SETTING THE TIMER

1. In standby mode or during cooking, press **KITCHEN TIMER/SET CLOCK** button once.
2. Use number buttons to enter desired time. The longest time is 99 minutes 50 seconds.
3. Press **START/+30 SEC** button to confirm.

NOTE: When the countdown ends, the buzzer will beep to remind you. You can check the countdown time by pressing **KITCHEN TIMER/SET CLOCK** button once, but if **STOP/CANCEL** button is pressed when the display shows the time, the function can be cancelled.

MICROWAVE POWER LEVELS



Your microwave oven has 5 power levels. To set the power level follow the instruction below.

Number of presses of MICRO POWER button	1	2	3	4	5	6
Display	P100	P-80	P-60	P-40	P-20	P-00

Generally the following recommendations apply:

P100 - used for fast cooking or reheating e.g. for casseroles, hot beverages, vegetables etc.

P-80 - used for longer cooking of dense foods such as roast joints, meat loaf and plated meals, also for sensitive dishes such as sponge cakes. At this reduced setting, the food will cook evenly without over cooking at the sides.

P-60 - for dense foods which require a long cooking time when cooked conventionally, e.g. beef casserole, it is advisable to use this power setting to ensure the meat will be tender.

P-40 - defrost setting to defrost, select this power setting to ensure that the dish defrosts evenly. This setting is also ideal for simmering rice, pasta, dumplings and cooking egg custard.

P20 - for gentle defrosting, e.g. cream gâteaux or pastry.

NOTE: During cooking, you can check the cooking power level by pressing **MICRO POWER** button. If you want to set 100% power level, omit the first step.

MICROWAVE COOKING



1. In standby mode, press **MICRO POWER** button the appropriate number of times to set the desired power level.
2. Use number buttons to enter cooking time. The longest time is 99 minutes and 50 seconds.
3. Press **START/+30 SEC** button to start.

NOTE: During cooking, you can check the cooking power level by pressing **MICRO POWER** button. If you want to set 100% power level, omit the first step.

GRILL COOKING



Grill cooking is particularly useful for thin slices of meat, steaks, chops, kebabs, sausages and pieces of chicken. It is also suitable for hot sandwiches and au gratin dishes. In the grill cooking modes, place the food on the provided rack.

1. In standby mode, press **GRILL** button once.
2. Use number buttons to enter cooking time. The longest time is 99 minutes and 50 seconds.
3. Press **START/+30 SEC** button to start.



MICROWAVE+GRILL COOKING

You can combine both microwave and grill modes for more efficient meal preparation. The combination cooking reduces cooking time and provides a crisp, brown finish giving you the convenience of fast cooking with a traditional appetizing appearance. In the combined cooking modes, place the food on the provided rack.

Combination 1 (Co-1): 30% time for microwave cooking, 70% for grill cooking. Use for fish or au gratin.

Combination 2 (Co-2): 55% time for microwave cooking, 45% for grill cooking. Use for puddings omelettes, baked potatoes and poultry.

1. In standby mode, press **MICRO+GRILL** button once or twice to select "Co-1" or "Co-2".
2. Use number buttons to set cooking time. The longest time is 99 minutes and 50 seconds.
3. Press **START/+30 SEC** button to start.

NOTE: During cooking, you can press **MICRO+GRILL** button to check the combination power level.



CONVECTION COOKING

During convection cooking, hot air is circulated throughout the oven cavity to brown and make crisp foods quickly and evenly. This oven can be programmed for 13 different cooking temperatures (230°C→220°C→210°C→200°C→190°C→180°C→170°C→160°C→150°C→140°C→130°C→120°C→110°C)

To preheat and cook with convection:

- Your oven can be programmed to combine preheating and convection cooking operations.
1. In standby mode, press **CONV.** button repeatedly to set convection temperature.
 2. Press **START/+30 SEC** button to confirm. Beeps will sound when the designated temperature is reached.
 3. Open the door and place container of food at the center of the flatbed.
 4. Use number buttons to set cooking time. The longest time is 99 minutes and 50 seconds.
 5. Press **START/+30 SEC** button to start.

NOTE: The longest preheat time is 30 minutes, and the preheat time cannot be set. When reached designated temperature, beep will sound, if you do not open the oven door within 30 minutes, the oven will end automatically.

To cook with convection:

1. In standby mode, press **CONV.** button repeatedly to set convection temperature.
2. Use number buttons to set cooking time. The longest time is 99 minutes and 50 seconds.
3. Press **START/+30 SEC** button to confirm.

NOTE: During cooking, you can check the current temperature by pressing **CONV.** button.



MICROWAVE+CONVECTION COOKING

This oven has four pre-programmed settings that make it easy to cook with both convection heat and microwave automatically (230°C→200°C→170°C→140°C). In the combined cooking modes, place the food on the provided rack.

1. In standby mode, press **MICRO+CONV.** button repeatedly to set cooking temperature.
2. Use number buttons to enter cooking time. The longest time is 99 minutes and 50 seconds.
3. Press **START/+30 SEC** to confirm.

NOTE: During cooking, you can check the convection power level by pressing **MICRO+CONV.** button.

OTHER CONVENIENT FUNCTIONS



1. TIME DEFROST

This function quickly defrosts food while enabling you to choose a suitable defrost period, depending on the food type.

1. In standby mode, press **TIME DEFROST** button once.
2. Use number buttons to enter cooking time. The longest time is 99 minutes and 50 seconds.
3. Press **START/+30 SEC** button to confirm.

NOTE: During defrosting, the system will pause and sound to remind user to turn food over, and then press **START/+30 SEC** to resume the defrosting.

2. WEIGHT DEFROST

The time and the defrosting power are adjusted automatically once the weight of food is programmed. The frozen food weight ranges from 100 g to 2000 g.

1. In standby mode, press **WEIGHT DEFROST** button repeatedly to select food weight.
2. Press **START/+30 SEC** button to confirm.

NOTE: During defrosting, the oven will pause and sound to remind you to turn food over then close the door and press **START/+30 SEC** to resume.

3. MUTE

1. To set the mute function:

- In standby mode, press **DELAY TIMER/MUTE** button once, the display shows "OFF" for 3 seconds, and the oven will enter mute mode. At this time, all programs and buttons have no prompt sound, and then the oven return to standby mode.
2. To turn the mute function off:

In mute mode, press **DELAY TIMER/MUTE** button once, the display shows "on" for 3 seconds. The sound of all programs and buttons returned to normal, and then return to standby mode.

4. PRESET

With this function, you can preset the programme and the microwave oven will start to work according to the programme automatically once the clock reaches the preset time.

- In standby mode, set your desired cooking programme.
- Press the **DELAY TIMER/MUTE** button once.
- Use number buttons to enter desired time
- Press the **START/+30Sec.** button to confirm.

NOTE:

- In preset state, press the **DELAY TIMER/MUTE** to check the preset time. You can press **STOP/CANCEL** button when the preset time is shown to cancel the preset function.
- Quick start and Defrost functions cannot use Preset function

5. CHILD LOCK

Use to prevent unsupervised operation of the oven by children.

a. To set the CHILD LOCK:

- In the stand-by mode, one minute without any operation then oven will auto enter Child lock mode. Press any button, lock indication appears on the display for 3 seconds to remind user to cancel the child proof lock.
- b. To cancel the CHILD LOCK:

In the Child lock mode, open or close the oven door. The lock will be released.

6. OPERATION PANEL PROTECTION MECHANISM

In any state, if any button on the control panel remains pressed for 1 minute, the program stops working immediately, the display shows "FALL" and the system will sound beep. If the button remains pressed, beep will sound every one minute. All the buttons on the control panel are disabled. After resolving the problem, press the **STOP/CANCEL** button to return standby mode.



OTHER CONVENIENT FUNCTIONS

7. SELF-PROTECTION MECHANISM

OVERHEATING PROTECTION: When the system enters into super high temperature protection status, the digital display shows "E01" and continues to beep. After pressing **STOP/CANCEL** button, the system comes back to normal standby mode.

LOW TEMPERATURE PROTECTION: When the system enters into super low temperature protection status, the digital display shows "E02" and continues to beep. After pressing **STOP/CANCEL** button, the system comes back to normal standby mode.

SENSOR MALFUNCTION PROTECTION: The system enters into protection mode when the system sensor is short circuited or open circuited. The display shows "E03" or "E04" and continues to beep. After pressing **STOP/CANCEL**, the system comes back to normal standby mode.



AUTO MENU FUNCTION

The **AUTO MENU** programs automatically calculate the correct cooking mode and cooking time of foods. Follow the example below for guidance on how to operate this function.

For menus 1~6:

1. In standby mode, press corresponding button once or repeatedly to enter food weight or servings.
2. Press **START/+30 SEC** button to confirm.

For menus "A-1" ~ "A-7":

1. In standby mode, press "A-1" or "A-7" button repeatedly to select menu code ("A-1" ~ "A-7").

2. Press **START/+30 SEC** button once.

3. Press "A-1" or "A-7" button repeatedly to select weight or number of servings.

4. Press **START/+30 SEC** button to start.

Auto cook menus:

Display	Menu	Notes
1	Beverages (200 ml/cup, 1-3 cups)	• For Grilled Chicken Pieces and menus A-5 ~ A-7, the system will pause during cooking to remind user to turn food over. In this case, turn over the food and then press START/+30 SEC to resume. • The result of auto cooking depends on factors such as fluctuation of voltage, the shape and size of food, your personal preference as to the doneness of certain foods and even how well you happen to place food in the oven. If you find the result at any rate not quite satisfactory, please adjust the cooking time a little bit accordingly.
2	Potato (230±10 g/serving, 1-2 servings)	
3	Vegetables (200-600 g)	
4	Pizza (150 g, 300 g, 450 g)	
5	Rice (150 g, 300 g, 450 g, 600 g)	
6	Grilled Chicken Pieces (200-600 g)	
A-1	Oven Chips (200 g)	
A-2	Auto Reheat (200-800 g)	
A-3	Soup (300 ml/bowl, 1-3 bowls)	
A-4	Cake (475 g)	
A-5	Grilled Bacon (100 g, 200 g, 300 g)	
A-6	Grilled Fish Pieces (200-600 g)	
A-7	Roast Beef/Lamb (200-600 g)	

SUITABLE OVENWARE



To cook/defrost food in a microwave oven, the microwave energy must be able to pass through the container to penetrate the food. Therefore it is important to choose suitable cookware. Round/oval dishes are preferable to square/oblong ones, as the food in the corners tends to overcook. A variety of cookware can be used as listed below.

Cookware	Microwave Safe	Grill	Convection	Mix Cook	Comments
Browning dishes	✓	✗	✗	✗	Always follow the manufacturer's instructions. Do not exceed heating times given. Be very careful as these dishes become very hot.
China and ceramics	✓ / ✗	✗	✓	✓ Mix Conv. only	Porcelain, pottery, glazed earthenware and bone china are usually suitable, except for those with metallic decoration.
Glassware e.g. Pyrex®	✓	✓	✓	✓	Care should be taken if using fine glassware as it can break or crack if heated suddenly.
Metal	✗	✓	✓	✗	It is not recommended to use metal cookware as it will arc, which can lead to fire.
Plastic/Poly-styrene e.g. fast food containers	✓	✗	✓	✓ / ✗	Care must be taken as some containers warp, melt or discolour at high temperatures.
Cling film	✓	✗	✗	✗	It should not touch the food and must be pierced to let the steam escape.
Freezer/Roasting bags	✓	✗	✓ / ✗	✗	Must be pierced to let steam escape. Ensure bags are suitable for microwave use. Do not use plastic or metal ties, as they may melt or catch fire due to the metal arcing.
Paper - plates, cups and kitchen paper	✓	✗	✗	✗	Only use for warming or to absorb moisture. Care must be taken as overheating may cause fire.
Straw and wooden containers	✓	✗	✗	✗	Always supervise the oven when using these materials as overheating may cause fire.
Recycled paper and newspaper	✗	✗	✗	✗	May contain extracts of metal which will cause arcing and may lead to fire.
Rack	✓	✓	✓	✓	The metal racks supplied have been specially designed for all cooking modes and will not damage the oven.

WARNING:
When heating food in plastic or paper containers, monitor the oven due to the possibility of ignition.



CARE AND CLEANING

CAUTION: DO NOT USE COMMERCIAL OVEN CLEANERS, STEAM CLEANERS, ABRASIVE, HARSH CLEANERS, ANY THAT CONTAIN SODIUM HYDROXIDE OR SCOURING PADS ON ANY PART OF YOUR MICROWAVE OVEN. CLEAN THE OVEN AT REGULAR INTERVALS AND REMOVE ANY FOOD DEPOSITS. - Keep the oven clean, or the oven could lead to a deterioration of the surface. This could adversely affect the life of the appliance and possibly result in a hazardous situation. Oven exterior The outside of your oven can be cleaned easily with mild soap and water. Make sure the soap is wiped off with a moist cloth, and dry the exterior with a soft towel. Control panel Open the door before cleaning to de-activate the control panel. Care should be taken in cleaning the control panel. Use a cloth damp with water only, gently wipe the panel until it becomes clean. Avoid using excessive amounts of water. Do not use any sort of chemical or abrasive cleaner. Oven interior 1. For cleaning, wipe any splatters or spills with a soft damp cloth or sponge after each use while the oven is still warm. For heavier spills, use a mild soap and wipe several times with a damp cloth until all residues are removed. Do not remove the waveguide cover.	2. Make sure that mild soap or water does not penetrate the small vents in the walls which may cause damage to the oven. 3. Do not use spray cleaners on the oven interior. Keep the waveguide cover clean at all times. The waveguide cover is constructed from a fragile material and should be cleaned with care (follow the cleaning instructions above). NOTE: Excessive soaking may cause disintegration of the waveguide cover. The waveguide cover is a consumable part and without regular cleaning, will need to be replaced. Door To remove all traces of dirt, regularly clean both sides of the door, the door seals and adjacent parts with a soft, damp cloth. Do not use harsh abrasive cleaners or sharp metal scrapers to clean the glass oven door since they can scratch the surface, which may result in shattering of the glass. NOTE: A steam cleaner should not be used. Flatbed To remove all traces of dirt, regularly clean the flatbed with a soft, damp cloth while the flatbed is not so hot. For heavier spills, use a mild soap and wipe several times with a damp cloth until all residues are removed. Do not use harsh abrasive cleaners or sharp metal scrapers to clean the flatbed.
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Cleaning tip - For easier cleaning of your oven:
Place half a lemon in a bowl, add 300ml (1 1/2 pint) water and heat on 100% for 10 - 12 minutes. Wipe the oven clean using a soft, dry cloth.

TROUBLESHOOTING



If you think the oven is not working properly there are some simple checks you can carry out yourself before calling an engineer. This will help prevent unnecessary service calls if the fault is something simple.

Follow this simple check below:

Place half a cup of water on flatbed and close the door.

Programme the oven to cook for 1 minute using 100% microwave power.

1. Does the oven lamp come on when it is cooking?
 2. Does the microwave stirrer rotate?
 3. Does the cooling fan work? (Check by placing your hand above the air vent openings.)
 4. After 1 minute does the audible signal sound?
 5. Is the water in the cup hot?
- If you answer "NO" to any question first check that the oven is plugged in properly and the fuse has not blown. If there is no fault with either, check against the troubleshooting chart below.

WARNING: Never adjust, repair or modify the oven yourself. It is hazardous for anyone other than SHARP trained engineer to carry out servicing or repairs. This is important as it may involve the removal of covers that provide protection against microwave energy.

- The door seal stops microwave leakage during oven operation, but does not form an airtight seal. It is normal to see drops of water, light or feel warm air around the oven door. Food with a high moisture content will release steam and cause condensation inside the door which may drip from the oven.
- **Repairs and Modifications:** Do not attempt to operate the oven if it is not working properly.
- **Outer Cabinet & Lamp Access:** Never remove the outer cabinet. This is very dangerous due to high voltage parts inside which must never be touched, as this could be fatal. Your oven is not fitted with a lamp access cover. If the lamp fails, do not attempt to replace the lamp yourself, call a SHARP approved service facility.
- **Cool down function:** If the Microwave is set for 2 mins or longer (in any mode) once the program ends it will enter into a 3 min cool down where the fan only will remain on. This is not a fault and it is not still cooking, the fan will stop after 3 minutes.



TROUBLESHOOTING

TROUBLESHOOTING CHART

QUERY	ANSWER
Draught circulates around the door.	When the oven is working, air circulates within the cavity. The door does not form an airtight seal so air may escape from the door.
Condensation forms in the oven, and may drip from the door.	The oven cavity will normally be colder than the food being cooked, and so steam produced when cooking will condense on the colder surface. The amount of steam produced depends on the water content of the food being cooked. Some foods, such as potatoes have a high moisture content. Condensation trapped in the door glass should clear after a few hours.
Flashing or arcing from within the cavity when cooking.	Arcing will occur when a metallic object comes into close proximity to the oven cavity during cooking. This may possibly roughen the surface of the cavity, but would not otherwise damage the oven.
Arching potatoes.	Ensure all „eyes“ are removed from the potatoes and that they have been pierced, place directly onto the flatbed or in a heat resistant fan dish or similar.
The display is lit but the control panel will not work when pressed.	Check the door is closed properly.
Oven cooks too slowly.	Ensure correct power level has been selected.
Oven makes a noise.	The microwave energy pulses ON and OFF during cooking/defrosting.
Outer cabinet is hot.	The cabinet may become warm to the touch - keep children away.

SPECIFICATIONS



Model name:	RAC252
AC Line Voltage	: 230-240V, 50Hz single phase
Distribution line fuse/circuit breaker	: 12A
AC Power required:	: 1400W
Output power:	: 900W
Microwave	: 1200W
Top Grill (Infrared)	: 2050W
Convection	: less than 1.0W
Off Mode (Energy Save Mode)	: 2450MHz*(Group 2/Class B)
Microwave Frequency	: 490 x 287 x 500
Outside Dimensions (W) x (H) x (D)** mm	: 340 x 197 x 338
Cavity Dimensions (W) x (H) x (D)*** mm	: 25 litres***
Oven Capacity	: 291 x 291
Flatbed Dimensions (W) x (H) mm	: approx. 16.6kg
Weight	

* This product fulfils the requirement of the European standard EN55011. In conformity with this standard, this product is classified as group 2 class B equipment. Group 2 means that the equipment intentionally generates radio-frequency energy in the form of electromagnetic radiation for the heat treatment of food.

** Class B equipment means that the equipment is suitable to be used in domestic establishments. The depth does not include the door opening handle.

*** Internal capacity is calculated by measuring maximum width, depth and height. Actual capacity for holding food is less.

AS PART OF A POLICY OF CONTINUOUS IMPROVEMENT, WE RESERVE THE RIGHT TO ALTER DESIGN AND SPECIFICATIONS WITHOUT NOTICE.

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