Digital Microwave

Model: SM22090 (all colours)

Help line: 01733 404703
IMPORTANT SAFEGUARDS

Installation

1. Take out all the packing. If there is a safe film over the oven, tear it off before use. Check carefully for damage. If any, immediately notify dealer or send to the manufacturer’s service center.
2. Microwave ovens must be placed under dry and non-corrosive environments, kept away from heat and humidity, such as gas burner or water tank.
3. To ensure sufficient ventilation, the distance of the back of microwave to the wall should be at least 10 cm, the side to the wall should be at least 5 cm, the free distance above the top surface at least 20 cm, the distance of the microwave to the ground should be at least 85 cm.
4. The position of the oven shall be such that it is far from the TV, Radio or antenna as picture disturbance or noise may occur.
5. The appliance must be positioned so that the plug is accessible, and must ensure a good earth connection.
6. The microwave oven must be operated with the door closed.
7. The microwave oven must not be placed in a cabinet. The microwave oven is intended to be used freestanding.
8. The back of the oven must be placed against a wall.

The following basic precautions should always be followed when using electrical appliances:

1. Read all instructions before using.
2. Make sure the voltage in your living area corresponds to the one shown on the rating label of the appliance. And the wall socket is properly earthed.
3. To reduce the risk of fire in the oven cavity:
   • Do not overcook the food.
   • Remove wire twist-ties from paper or plastic bags before placing bags in the oven.
   • Do not heat oil or fat for deep frying as the temperature of oil cannot be controlled.
   • After use wipe the waveguide cover with a damp cloth, followed by dry cloth to remove any food splashes and grease. Built-up grease may overheat and begin to cause smoke or catch fire.
   • If materials inside the oven should smoke or ignite, keep oven door closed, turn oven off and disconnect the power supply.
   • Close supervision is necessary when using disposable containers made from plastic, paper or other combustible material.
4. To reduce the risk of explosion and sudden boiling:
   • Do not place sealed containers in the oven. Baby bottles fitted with a screw cap or teat are considered to be sealed containers.
   • When boiling liquid in the oven, use a wide-mouthed container and stand about 20 seconds at the end of cooking to avoid delayed eruption boiling of liquids.
   • Potatoes, sausage and chestnuts should be peeled or pierced before cooking. Eggs in their shell, whole hard-boiled eggs should not be heated in microwave ovens since they may explode, even after microwave heating has ended.
   • The cooked liquid should not be removed immediately. Wait several moments before removing in order to avoid possible hazards caused by delayed
IMPORTANT SAFEGUARDS

eruption boiling of liquids.
- The contents of feeding bottles and baby food jars should be stirred or shaken and the temperature should be checked before consumption, in order to avoid burns.

5. Don’t operate the oven further if the door or door seal is damaged, or if the oven is malfunctioning, or supply cord is damaged. Return the appliance to the nearest authorised service center for repair and maintenance. Never try to adjust or repair the oven yourself.

6. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a qualified technician in order to avoid a shock hazard.

7. After cooking, the container could be very hot. Use gloves to take out the food and avoid steam burns by directing steam away from the face and hands.

8. Slowly lift the furthest edges of dish cover and microwave plastic wraps and carefully open popcorn and oven cooking bags away from the face.

9. To prevent the turntable from breaking:
- Let the turntable cool down before cleaning.
- Do not place hot foods or utensils on the cold turntable.
- Do not place frozen foods or utensils on the hot turntable.

10. Make sure the utensils do not touch the interior walls during cooking.

11. Failure to maintain the oven in a clean condition could lead to a deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.

12. Only use utensils that are suitable for use in microwave ovens.

13. Do not store food or any other things inside the oven.

14. Do not operate the oven without any liquid or food inside the oven. This would damage the oven.

15. This appliance is not intended for using by young children or infirm persons without supervision.

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

17. Any accessories not recommended by the manufacturer may cause injuries to persons.

18. Do not use outdoors.

19. Save these instructions.

20. WARNING: It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.

21. WARNING: Liquids and other foods must not be heated in a sealed container since they are liable to explode.

22. 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.

23. When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignition.

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

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

26. WARNING: Accessible parts may become hot during use. Young children should be kept away.
IMPORTANT SAFEGUARDS

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

28. 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.

29. Children should be supervised to ensure that they do not play with the appliance.

30. The appliance is not intended to be operated by means of an external timer or separate remote-control system.

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

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

39. 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.

40. 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. Keep the appliance and its cord out of reach of children less than 8 years. Cleaning and user maintenance shall not be made by children without supervision.

41. The door or the outer surface may get hot when the appliance is operating.

Household use only

SPECIFICATIONS

Capacity: 20L
Output: 800 Watts
Input voltage: 220-240V ~ 50Hz
Input power: 1150 Watts
Microwave frequency: 2450MHz

WARNING

HOT SURFACES
GET TO KNOW YOUR MICROWAVE

UTENSILS GUIDELINE
It is strongly recommended to use containers which are suitable and safe for microwave cooking. Generally speaking, the containers which are made of heat-resistant ceramic, glass or plastic are suitable for microwave cooking. **Never use metal containers** for microwave cooking and combination cooking as sparks are likely to occur.

**WARNING**

a. Do not remove the Waveguide cover during cleaning
b. Make sure the Waveguide cover is properly in place during cooking

**CONTROL PANEL/PARTS**

1. **Door lock.** Microwave oven door must be properly closed in order for it to operate
2. **Viewing window.** Allow user to see the cooking status
3. **Rotating axis.** The glass turntable sits on the axis; the motor underneath it drives the turntable to rotate
4. **Rotating ring.** The glass turntable sits on its wheels; it supports the turntable and helps it to balance when rotating
5. **Turntable.** The food sits on the turntable, its rotation during operation helps to cook food evenly. Place the rotating ring first. Fit the turntable onto the rotating axis and make sure that it is geared in proper
6. **Control panel.** See below in details
7. **Waveguide cover.** It is inside the microwave oven, next to the wall of control panel.
HOW TO USE YOUR MICROWAVE

BEFORE COOKING
The LED flashes 3 times when plugged in power supply. Then it flashes “:”, prompting you to input the cooking menu and time.

TIME/WEIGHT KNOB
You can increase or decrease cooking time and weight during operation by turning Time/Weight button

PAUSE/CANCEL
At the initial or input stage: press once to cancel input programmes and resume initial stage. During cooking: press once to stop oven operation, press twice to cancel cooking programmes.

AUTO REMINDER
When your preset cooking procedure has finished, the LED Display will show End and three beeps sound will be heard to prompt you to take out the food. If you do not press Pause/ Cancel button once or open the door, the beep will sound at an interval of 3 minutes.

CLOCK SETTING
Clock button allows you to input current time when “:” flashes on LED display after unit is plugged in, or skip the time setting step if unnecessary.

Example: to set 12:30

<table>
<thead>
<tr>
<th>Steps</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Power up the oven</td>
<td>:</td>
</tr>
<tr>
<td>2. Press the Clock button once</td>
<td>00:00</td>
</tr>
<tr>
<td>3. Turn Temp.Time/Weight knob to set exact hours</td>
<td>12:00</td>
</tr>
<tr>
<td>4. Press Clock button again</td>
<td>12:00</td>
</tr>
<tr>
<td>5. Turn Temp.Time/Weight knob to set exact minutes</td>
<td>12:30</td>
</tr>
<tr>
<td>6. Press Clock button once again (or wait for 5 seconds &amp; clock will run normally)</td>
<td></td>
</tr>
</tbody>
</table>
HOW TO USE YOUR MICROWAVE

Microwave cooking
This function is used for cooking and heating food. Press Power button repeatedly to cycle through the power options.

<table>
<thead>
<tr>
<th>Power Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>High power</td>
<td>100% microwave power. Applicable for quick and thorough cooking</td>
</tr>
<tr>
<td>Medium High power</td>
<td>80% microwave power. Applicable for medium express cooking</td>
</tr>
<tr>
<td>Medium power</td>
<td>60% microwave power. Applicable for steaming food</td>
</tr>
<tr>
<td>Medium Low power</td>
<td>40% microwave power. Applicable for defrosting food</td>
</tr>
<tr>
<td>Low power</td>
<td>20% microwave power. Applicable for keeping warm</td>
</tr>
</tbody>
</table>

### CAUTION

- The max time which can be set is 60 minutes.
- Never operate the oven empty.
- If you turn the food during operation, press the Instant/Start button once and the preset cooking procedure will continue.
- If you intend to remove the food before the preset time, you must press Pause/Cancel button once to clear the preset procedure to avoid unintended operation during next use.
- At the maximum microwave power, the oven will automatically lower the power after a certain time of cooking to lengthen the service life.
- Never use a grill rack during microwave cooking.

#### Example: to cook at P80 (80%) for 10 minutes

<table>
<thead>
<tr>
<th>Steps</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Power up the oven.</td>
<td>Colon flashes</td>
</tr>
<tr>
<td>2. Press the Power</td>
<td>Display shows 80P</td>
</tr>
<tr>
<td>3. Set the cooking time</td>
<td>10:00</td>
</tr>
<tr>
<td>4. Press Instant/Start</td>
<td>12:00</td>
</tr>
</tbody>
</table>

Press Instant/Start button to start and LED will count down showing remaining running time.
HOW TO USE YOUR MICROWAVE

EXPRESS
Press Express button, LED will cycle to show 0:30, 1:00, 1:30. This function will allow you to heat a cup of water or beverage conveniently, omitting the steps of setting time. Choose the proper time depending on the beverage capacity.

Example: to cook at P80 (80%) for 10 minutes

<table>
<thead>
<tr>
<th>Steps</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Power up the oven. The colon flashes</td>
<td>:</td>
</tr>
<tr>
<td>2 Press the Express button repeatedly to select desired menu item</td>
<td>1:00</td>
</tr>
<tr>
<td>3 Start cooking by pressing Instant/Start button</td>
<td></td>
</tr>
</tbody>
</table>

DEFROST
This function is used to defrost food; Press Defrost button and the LED display will cycle to show d.1-d.2-d.3.

| d.1 | For defrosting meat, the weight range from 0.1 to 2.0kg. |
| d.2 | For defrosting poultry, the weight range from 0.2 to 3.0kg. |
| d.3 | For defrosting seafood, the weight range from 0.1 to 0.9kg. |

CAUTION
- It is necessary to turn over the food during operation to obtain uniform effect.
- Usually defrosting will need longer time than that of cooking the food.
- If the food can be cut by knife, the defrosting process can be considered completed.
- Microwave penetrates around 4cm into most food.
- Defrosted food should be consumed as soon as possible, it is not advised to put back to fridge and freeze again.

AUTO COOKING
The oven has default cooking menu for simple operation. When the LED flash colon, press the Cook button and LED will cycle to show A.1- A.2 ..... A.8

Choose the appropriate menu according to the food type and weight and strictly observe the directions in below table, otherwise the cooking effect will be adversely influenced.
HOW TO USE YOUR MICROWAVE

<table>
<thead>
<tr>
<th>Display</th>
<th>Food</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.1</td>
<td>Popcorn</td>
<td>Suitable for bag of popping corn, which is available in the supermarket, up to 85g. Press Pause/Cancel button to stop the popping process.</td>
</tr>
<tr>
<td>A.2</td>
<td>Popcorn</td>
<td>Same as above but for 100g.</td>
</tr>
<tr>
<td>A.3</td>
<td>Pizza</td>
<td>Warm a piece of chilled pizza 0.15kg.</td>
</tr>
<tr>
<td>A.4</td>
<td>Beverage</td>
<td>Heating a cup of 250 ml liquid. The liquid temperature is about 5-10°C. Use a wide mouth cup and do not seal.</td>
</tr>
<tr>
<td>A.5</td>
<td>Beverage</td>
<td>Heating a cup of 500 ml liquid. The liquid temperature is about 5-10°C. Use a big mouth cup and do not seal.</td>
</tr>
<tr>
<td>A.6</td>
<td>Potato</td>
<td>Cooking the potato strips, cut into 5mm width and height, length. Total weight is about 0.45kg. Place the strips on a large dish and cover the dish with a thin film to prevent water loss.</td>
</tr>
<tr>
<td>A.7</td>
<td>Potato</td>
<td>Same as A.6 except weight of potato strips 0.65kg.</td>
</tr>
<tr>
<td>A.8</td>
<td>Fish</td>
<td>Suitable for steaming a fish of 0.45Kg. After the fish washed and scales removed, make slits on the skin of fish. Put the fish on a shallow dish of 22-27cm diameter sprinkle lightly with some ingredient and cover the dish with a thin film to prevent water loss. After cooking, stand for 2 minutes.</td>
</tr>
</tbody>
</table>

CAUTION

- The temperature of food before cooking would be 20-25°C. Higher or lower temperature of the food before cooking would require increase or decrease of cooking time.
- The temperature, weight and shape of food will largely influence the cooking effect. If any deviation has been found to the factor noted on above menu, you can adjust the cooking time for best result.

CHILD LOCK FUNCTION

Use this feature to lock the control panel when you are cleaning or so that children can not use the oven unsupervised. All the buttons are rendered inoperable in this mode.

- To set child lock, press and hold Pause/Cancel button about 3 seconds.
- To cancel child lock, press and hold Pause/Cancel button about 3 seconds.
HOW TO USE YOUR MICROWAVE

Cooking Tips
The following factors may affect the cooking result:
Food arrangement
Place thicker areas towards outside of dish, the thinner part towards the Centre and spread it evenly. Do not overlap if possible.

Cooking time length
Start cooking with a short time setting, evaluate it after it times out and extend it according to the actual need. Over cooking may result in smoke and burns.

Cooking food evenly
Food such as chicken, hamburger or steak should be turned once during cooking. Depending on the type of food, if applicable, stir it from outside to centre of dish once or twice during cooking

Allow standing time
After cooking time ends, leave the food in the oven for an adequate length of time, this allows it to complete its cooking cycle and cools it down in a gradual manner

Whether the food is done. Color and hardness of food help to determine if it is done, these include:
- Steam coming out from all parts of food, not just the edge
- Joints of poultry can be moved easily
- Pork or poultry shows no signs of blood
- Fish is opaque and can be sliced easily with a fork
HOW TO USE YOUR MICROWAVE

Browning dish
When using a browning dish or self-heating container, always place a heat-resistant insulator such as a porcelain plate under it to prevent damage to the turntable and rotating ring.

Microwave safe plastic wrap
When cooking food with high fat content, do not allow the plastic wrap come into contact with food as it may melt.

Microwave safe plastic cookware
Some microwave safe plastic cookware might not be suitable for cooking foods with high fat and sugar content. Also, the preheating time specified in the dish instruction manual must not be exceeded.
CLEANING & MAINTENANCE

The oven should be cleaned regularly and any food deposits removed.

⚠️ CAUTION ⚠️

1. It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.
2. Remove the power cord from the wall outlet before cleaning. Don’t immerse the appliance in water or other fluids when cleaning.
3. 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.
4. The oven should be cleaned regularly and any food deposits removed.
5. Details for cleaning door seals, cavities and adjacent parts.
6. Never use hard detergent, gasoline, abrasive powder or metal brush to clean any part of the appliance.
7. Do not remove the waveguide cover.
8. When the microwave oven has been used for a long time, there may be some strange odors exist in oven. Following 3 methods can get rid of them: a. Place several lemon slices in a cup, then heat with high power for 2-3 min. b. Place a cup of red tea in oven, then heat with high power. c. Put some orange peel into oven, and then heat them with high power for 1 minute.

Wipe exterior parts with a dampened soft cloth.
Wipe clean the interior surfaces with a dampened soft cloth.
Wipe clean the waveguide cover to remove any food splashed on it.

Turntable / Rotation ring / Rotation axis:
Wash with mild soapy water. Rinse with clean water and allow drying thoroughly. Glass turntable is OK to put in the dishwasher.
SERVICING

Please check the following before calling for service:

a. Place one cup of water (approx. 150ml) in a glass measure in the oven and close the door securely. Oven lamp should go off if the door is closed properly. Let the oven work for 1 min.
b. Does the oven lamp light?
c. Does the cooling fan work? [Put your hand over the rear ventilation openings.]
d. Does the turntable rotate? [The turntable can rotate Clockwise or counter Clockwise. This is quite normal.]
e. Is the water inside the oven hot?

If “NO” is the answer to any of the above questions, please check your wall socket and the fuse in your meter box.

If both the wall socket and the fuse are functioning properly, CONTACT SERVICE on 01733 404703

WARNING

If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person; It is hazardous for anyone, other than a qualified service technician, to carry out any service for repairing operation which involves removal of any cover which gives protection against exposure to microwave energy.

Liquids or other foods must not be heated in sealed containers since they are liable to explode.
SERVICING SAFEGUARDS

**WARNING**

MICROWAVE RADIATION!

It is hazardous for anyone, other than a qualified service technician, to carry out any service for repairing operation which involves removal of any cover which gives protection against exposure to microwave energy. The temperature of accessible surfaces may be high when the appliance is operating.

The high voltage capacitor remains charge after disconnection; short the negative terminal of H. V capacitor to the oven chassis (use a screwdriver) to discharge before touching.

During servicing below listed parts are liable to be removed and give access to potentials above 250V to earth.

1. Magnetron
2. High voltage transformer
3. High voltage capacitor
4. High voltage diode
5. High voltage fuse

The following conditions may cause undue microwave exposure during servicing. Improper fitting of magnetron; Improper matching of door interlock, door hinge and door; Improper fitting of switch support; Door, door seal or enclosure has been damaged.

**CAUTION**

1. If LED displays Err0 during working, it indicates that sensor has been short circuited and you need replace it at the nearest repaired department.
2. If LED displays Err1 during working, it indicates that sensor is open circuit and you need replace it at the nearest service-centre.
The wires in the mains lead are coloured in accordance with the following code:

<table>
<thead>
<tr>
<th>Wire Color</th>
<th>Terminal Marking</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUE</td>
<td>NEUTRAL</td>
</tr>
<tr>
<td>BROWN</td>
<td>LIVE</td>
</tr>
<tr>
<td>GREEN/YELLOW</td>
<td>EARTH</td>
</tr>
</tbody>
</table>

As the colours of the wire in the mains lead of this appliance may not correspond with the colour markings identifying the terminals on your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured red. The wire which is coloured GREEN/YELLOW must be connected to the terminal which is marked with the letter E or (earth symbol) and is coloured GREEN or GREEN/YELLOW.

**WARNING: THIS APPLIANCE MUST BE EARTHED**