

KENWOOD

23 Litre Stainless Steel Combination Microwave K23CM13

instruction manual



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safety warnings

IMPORTANT SAFETY INSTRUCTIONS READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

general safety

- Switch off and unplug before fitting or removing parts/attachments, after use and before cleaning.
- Keep your fingers away from moving parts and fitted attachments.
- Never use a damaged appliance.
- Never operate the appliance when it is empty.
- Keep the mains cord out of reach of children.
- Keep the unit, mains cord and plug away from water.
- Never exceed the maximum capacities.
- When using an attachment, read the accompanying safety instructions.
- Take care when lifting this appliance as it is heavy.
- You should always have your appliance checked by a qualified service agent if it has been dropped or damaged to ensure it is safe to use.
- 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.
- Keep the appliance and its cord out of reach of children less than 8 years old.

maintenance of your microwave

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

warning : If the door or door seals are damaged, the microwave must not be operated until it has been repaired by a qualified service agent.

- If smoke is emitted, switch off and unplug the microwave and keep the door closed in order to stifle any flames.
- If the mains cord is damaged, it must be replaced by a qualified service agent.
- If you have a pacemaker, please contact your doctor before using a microwave.

microwave use

- This microwave is not intended for commercial use.
- It should never be used for drying clothes or for other non-food purposes, including any type of storage, which may lead to risk of injury, ignition or fire.
- This microwave can only be used indoors in a dry, well-ventilated, domestic, indoor area.
- Do not place the microwave in a cabinet.
- Install or locate this oven only in accordance with the installation instructions provided.
- The appliance is not intended to be operated by means of an external timer or separate remote-control system.
- The microwave should not be left unattended when in use.
- The temperature of accessible surfaces may be high when the microwave is operating.
- To prevent high moisture content gathering inside the microwave cavity, open the door immediately after the cooking function has stopped to allow steam to escape.
- Only use utensils that are suitable for microwave use.
- Care should be taken when using paper, plastic, wooden or other combustible materials in the microwave as they can catch fire.
- Oil & fat for deep frying should not be heated in the microwave.
- Only use cling film designed for microwave use and take extra care when removing the film to avoid steam burns.
- Only heat popcorn that has been designed for microwave use.
- Do not operate the microwave empty as this could damage the product.
- Do not attempt to operate this unit with the door open since this can result in harmful exposure to microwave energy. It is important not to break or tamper with the safety interlocks.
- Do not obstruct the unit's front or door, or allow soiling or cleaner residue to accumulate on sealing surfaces.

cooking use

- As the power of different microwaves can vary considerably, care must be taken when first using this microwave as it may cook faster than expected.
- Do not leave the microwave unattended during use.
- Take care when cooking food with a high sugar or fat content, such as Christmas pudding or fruitcake. The sugar or fat can overheat and in some cases catch fire.
- Do not overcook food.
- Remove wire twist-ties and metal handles from paper or plastic containers/bags before placing them in the oven.

convection use

- During use the appliance becomes hot. Care should be taken to avoid touching the hot surfaces. Keep children away.
- Switch the appliance off and unplug after use.
- Switch the appliance off and unplug before cleaning and maintenance.
- To avoid an accident, ensure that the turntable support, turntable plate and grill rack (if using one) are always inserted into the appliance and stable in accordance with the instructions.
- Do not use the door as a shelf.
- Do not push down on the open door.
- Accessible parts may become hot during use. Keep children away.
- Handle the glass door with care. Do not use harsh abrasive cleaners or sharp metal scrapers to clean the door glass since they can scratch the surface, which may damage it.
- Do not use any type of cling film or plastic or similar materials when using the Convection function. These materials may melt or otherwise fuse with the food due to the high temperatures.

grill

- Always keep the turntable plate and grill rack clean as any fat there may catch fire.
- Do not leave unit or appliance unattended when in use.
- Always make sure that (thick portions of) food on the grill rack is kept away from the sides and top of the unit's cavity.
- Accessible parts may become hot when the unit is in use. Keep children away.

hazardous materials

- Keep combustible materials, such as: curtains, drapes, furniture, pillows, clothing, linens, bedding, paper, etc., at least 3 feet (0.9 metres) from the front sides and rear of the oven. Do not use this unit in areas where gasoline, paint or other flammable liquids or their associated vapours may be present.
- Make sure that if using cling film or plastic or similar materials in the unit, that they are microwave-safe and suitable for the chosen function. If in doubt, do NOT use such materials.

warning : Only allow children to use the microwave without supervision when adequate instructions have been given so that the child is able to use the microwave in a safe way and understands the hazards of improper use; DO NOT assume that because a child has mastered one cooking skill he/she can cook everything without close supervision.

fire!

In the event of fire:

- Keep the microwave door closed.
- Turn off the power.
- Unplug the microwave from the mains power.

first aid

Treat scalding by:

- Quickly placing the scald under cold running water for at least 10 minutes.
- Cover with a clean dry dressing. Do not use creams, oils or lotions.

cleaning your microwave

- The microwave should be cleaned regularly and food deposits removed. Failure to maintain the microwave in a clean condition can affect the life of the microwave and possibly result in a hazardous situation. (See cleaning your microwave.)
- Do not use a steam cleaner to clean the unit.

do not use these in your microwave

- Metal objects are not to be used in the microwave. These include:
 - Metal cooking utensils
 - Metal plates or trays
 - Wire twist ties
 - Crockery with metal trims
 - Meat thermometer
- Never use equipment made of metal, except aluminium foil in your microwave. The microwave energy cannot pass through metal so it bounces off and sparks against the inside of the microwave.
- Stop the microwave straight away if any equipment is causing sparks.
- Remember that some crockery has a metal trim around the edge. Even this trim can cause sparks.

containers

warning : Pressure will build up in sealed containers and can cause them to explode. Therefore, do not use the following in your microwave:

- Sealed containers
- Capped bottles
- Vacuum containers
- Sealed jars
- Hard-boiled eggs
- Eggs in their shells
- Always pierce the skin of fruit and vegetables, such as potatoes.
- Never use scratched, cracked or damaged glass in a microwave. Damaged glass can explode.
- Caution should be used when using combustible containers, never leave the microwave unattended when in use.

delayed boiling

Liquids heated in a microwave continue to cook after the cooking time has elapsed. Caution is to be used when removing hot liquids from the microwave.

Take the following precautions:

- Always stir liquids, before and after cooking.
- Allow them to stand.
- Use containers that are wider at the top than at the bottom.

preparing food for babies

Extra care must be taken when preparing food or drink for babies and small children.

- Always test the food or liquid temperature before feeding it to the baby.
- When using a baby bottle, ensure the teat is removed before heating.
- When warming baby food or milk ensure the food is thoroughly stirred and at a safe consumable temperature.

caution!



hot surface

During cooking the outer surface will become hot. Do not touch the outer casing of the microwave. Care should be taken not to store any items on top of your microwave.



earthing instructions

warning: THIS APPLIANCE MUST BE EARTHED.

- This appliance is equipped with a mains cord having an earthed plug.
- The plug must be plugged into an appropriate mains socket that is installed and earthed in accordance with all local standards and requirements.

warning!

- Improper connection of the appliance-earthing conductor can result in a risk of an electric shock.
- Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly earthed.
- Never modify the plug provided with the appliance.
- If the plug does not fit properly in the mains socket, have a qualified electrician install a proper mains socket.
- The appliance is not intended to be operated by means of an external timer or separate remote-control system.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the unit’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the manual accompanying the unit.

Thank you

for purchasing your new Kenwood Microwave. We recommend that you spend some time reading this instruction manual so that you fully understand all the operational features it offers. You will also find some hints and tips to help you resolve any issues.

Read all the safety instructions carefully before use and keep this instruction manual for future reference.

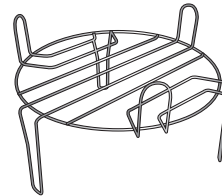
unpacking

Remove all items from the packaging. Retain the packaging. If you dispose of it please do so according to local regulations.

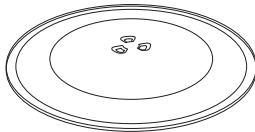
The following items are included:



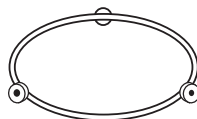
The Main Unit



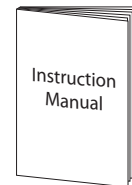
Grill Rack
(For use when grilling, convection, combination or auto cooking.)



Glass Turntable Plate



Turntable Support



Instruction Manual



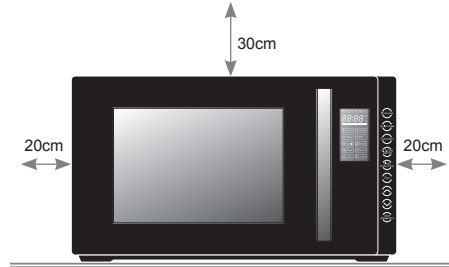
If items are missing, or damaged please contact Partmaster (UK only).
Tel: 0844 800 3456 for assistance.

getting ready

This microwave is designed for home use only. It should not be used for commercial catering.

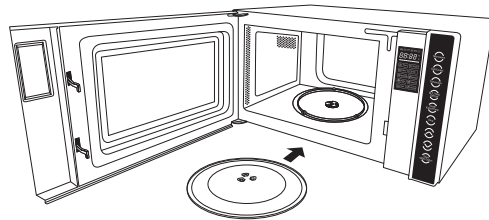
1. After unpacking your microwave, check that it has not been damaged whilst in the box. Make sure there are no dents, and the door closes properly. A damaged microwave could allow microwave energy to escape. Make sure that you have taken out all the packaging from the inside of the microwave. Please dispose of the plastic wrappings / bags safely and keep out of the reach of babies and young children.

2. Choose a flat, stable work surface for your microwave away from heat sources such as radiators or fires and away from cold areas. The surface should be at least 85cm above the floor. Place the back of the microwave against a wall and allow a 20 cm space on both sides of the unit and 30 cm above so that warm air can escape from the vents during cooking. This microwave is not designed to be built in. Do not block any intake or outlet openings as this can damage the unit.



3. Plug your microwave into a standard household electrical socket (230-240 volt, 13 amp rated). Avoid using a socket that also has an adapter and other equipment plugged in. Do not use a multi-adapter.

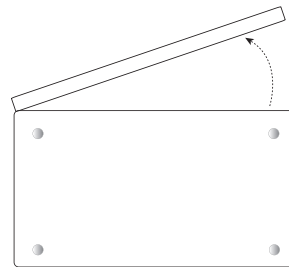
4. Put the turntable support inside the microwave and place the glass turntable plate on top of the support. The turntable support is shaped to sit securely on the spindle. You must always use the turntable plate and support whenever you use the microwave.



5. To protect your work surface, we recommend that you fix some non-slip cushion buttons (not included) to the underside of the microwave.



- Remove the turntable plate and turntable support before turning the microwave upside down.
- Do not remove the unit's feet.



Underside View

introducing microwave cooking

Always remember the basic safeguards you would follow when using any cooking equipment or handling hot food.

This page gives some of the basic guidelines for microwave cooking. If you are unfamiliar with using a microwave, there is more information at the back of this instruction manual.

cooking with a microwave



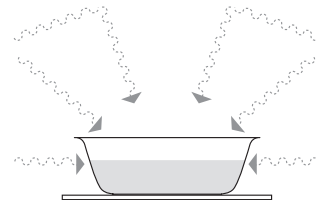
Cooking with a microwave is much faster than conventional cooking and, whilst you should make sure that food is fully cooked, you should be careful not to overcook it. Food can catch fire if excessive cooking times are used.

- Microwave energy can heat unevenly so stirring to distribute heat is very important. Always stir from the outside, inwards.
- If you are cooking a number of individual foods at the same time, such as baked potatoes or small cakes, arrange them evenly on the turntable plate so that they cook evenly. Never stack food in the microwave.
- Turn larger foods such as meat roasts and poultry during cooking so that the top and bottom cook evenly. It is also recommended to turn pieces of meat or poultry, especially if they have not been deboned.
- Meat and poultry which is cooked for 15 minutes or more will brown lightly in its own fat. Anything cooked for a shorter time can be brushed with a browning sauce to give an appetising colour.



If you are unsure how long the food should cook, begin cooking at the lowest recommended time, then add more time if necessary. The moisture content of food can vary. Ensure food is thoroughly cooked all the way to the centre before serving.

- Strips of aluminium foil can be used to cover the thinner pieces of food to stop them from overcooking before the thicker parts of the food have had the chance to cook. Use the aluminium foil sparingly and wrap around the food or container carefully to stop it from touching the inside of the microwave which could cause sparks.
- Microwaves cook food using microwave energy that is similar to naturally occurring radio waves. Normally, these “waves” would fade as they disappear into the atmosphere but in a microwave they are concentrated on the food causing it to heat up.
- Microwave energy cannot pass through metal – so it cannot escape from the inside of your microwave – but it can pass through materials like glass, porcelain, plastic, and paper. These are the things used to make microwave-safe cooking equipment.
- Microwave-safe cooking equipment will still get hot as the food it contains heats up.
- The microwave energy focuses on the moisture in the food causing lots of tiny vibrations. The vibrations get so great that the moisture – and the food – heat up.



checking your cooking utensils

Most heat-resistant, non-metallic cooking utensils are safe to use in your microwave. If made of plastic or glass, utensils will be marked as “microwave safe” or similar.



If you are not sure and/or there is no “microwave safe” marking on the utensil, do NOT use it in the microwave.

For the types of utensils you can use in the microwave, please see the “Materials That Can Be Used” section.



- Never use equipment made of metal, except aluminium foil in your microwave oven.
 - The microwave energy cannot pass through the metal so it bounces off and sparks against the inside of the oven.
 - Stop the microwave immediately if any equipment or utensils causes sparks.
 - Remember that some crockery has a metal trim around the edge. Even this trim can cause sparks.
 - Never use scratched, cracked or damaged glass in a microwave. Damaged glass can explode.
-

using aluminium foil in your microwave

It is safe to use aluminium foil in your microwave as long as you follow these safety guidelines.

As with all metals, microwave energy cannot pass through aluminium foil, but provided you keep the aluminium foil away from the inside walls of the microwave it will not cause sparks and there will not be any damage to your microwave.

Using aluminium foil is a good way of shielding parts of the food that you do not want to cook as quickly as others – perhaps where the food is narrower and would otherwise overcook.

Place the aluminium foil over the area you want to shield, taking care that the aluminium foil will not touch the inside walls of the microwave when the turntable plate rotates. Only use one piece of aluminium foil at a time so that you do not get sparks between the separate pieces.

Follow these guidelines when using aluminium foil in your microwave:

- Remove aluminium foil lids from containers before using in the microwave. Some lids are made of card with an aluminium foil covering – these should be removed too. Use a microwave-safe transparent lid if possible.
- Stir food during cooking if the container has a lid or film cover.
- Always use the glass turntable plate.
- Use shallow containers with a large surface area. Do not use containers that are more than 1.25in (3.5cm) deep.
- Use gloves when handling any aluminium foil.
- Do not completely cover food with aluminium foil. The microwave energy cannot pass through the aluminium foil so the food will not cook.
- Do not let aluminium foil touch the inside of the microwave.
- Do not use more than one piece of aluminium foil in the microwave at the same time.

materials that can be used in the microwave

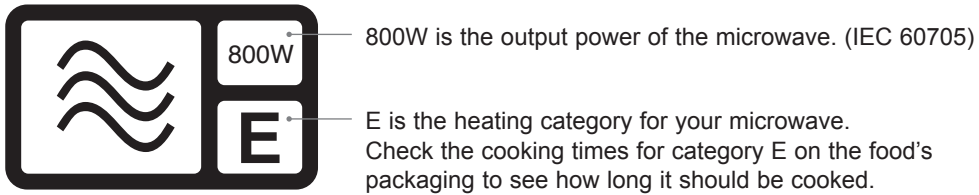
utensils	remarks
Aluminum foil	Shielding only. Small smooth pieces can be used to cover thin parts of meat or poultry to prevent overcooking. Arcing can occur if the foil is too close to oven walls. The foil should be at least 1 inch (2.5cm) away from oven walls.
Browning dish	Follow the manufacturer's instructions. The bottom of a browning dish must be at least 3/16 inch (5mm) above the turntable. Incorrect usage may cause the turntable to break.
Dinnerware	Microwave-safe only. Follow the manufacturer's instructions. Do not use cracked or chipped dishes.
Glass jars	Always remove lid. Use only to heat food until just warm. Most glass jars are not heat, resistant and may break.
Glassware	Heat-resistant oven glassware only. Make sure there is no metallic trim. Do not use cracked or chipped dishes.
Oven cooking bags	Follow the manufacturer's instructions. Do not close with metal tie. Make slits to allow steam to escape.
Paper plates and cups	Use for short-term cooking/warming only. Do not leave oven unattended while cooking.
Paper towels	Use to cover food for reheating and absorbing fat. Use with supervision for short-term cooking only.
Greaseproof paper	Use as a cover to prevent splattering or a wrap for steaming.
Plastic	Microwave-safe only. Follow the manufacturer's instructions. Should be labelled "Microwave Safe". Some plastic containers soften, as the food inside gets hot. "Boiling bags" and tightly closed plastic bags should be slit, pierced or vented as directed by package.
Plastic wrap	Microwave-safe only. Use to cover food during cooking to retain moisture. Do not allow plastic wrap to touch food.
Thermometers	Microwave-safe only (meat and candy thermometers).
Wax paper	Use as a cover to prevent splattering and retain moisture.

microwave heating categories

Your microwave has been tested and labelled to meet the UK government's voluntary agreement on the reheating of pre-cooked food.

The heating characteristics and output power levels of microwaves are usually calculated using a relatively large portion of food (1000 gram load, IEC 60705) but many packs of pre-cooked food are sold in smaller packs, often about 350 grams.

The UK government, in partnership with food companies and microwave manufacturers, has set up a system of heating categories to help you choose the reheating time for pre-cooked food.

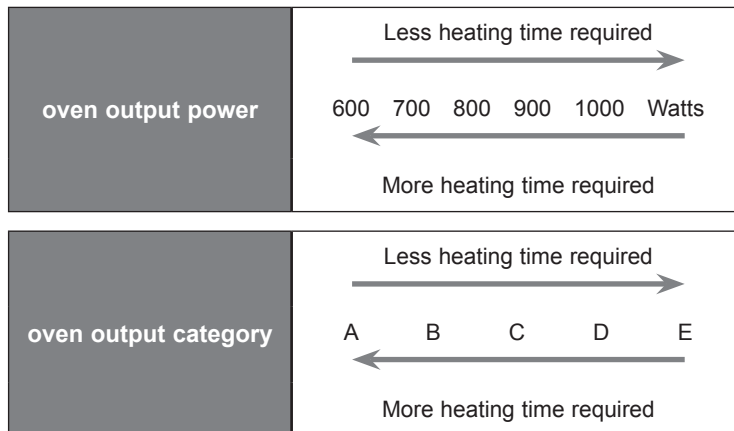


The category (a letter from A to E), is designed to help you reheat small quantities of food such as microwave ready meals.

The label given above and also on the oven door gives the heating category and output power of the oven.

Microwave ready meals weighing up to 500g (1lb 2oz) should have cooking instructions for heating categories A to E. Follow the instructions for the letter that corresponds to the heating category of the oven.

The higher the output power and heating category of the oven the less heating time is required. This is shown in the diagrams below:



Start cooking at the lowest recommended time, and add more time if necessary. The moisture content of food can vary, ensure food is cooked thoroughly all the way to the centre before serving.

steam

When you microwave food, steam is created as water in the food heats up and evaporates.

The steam formed during microwave cooking is entirely safe. It has to escape from the microwave to prevent pressure from building up inside the microwave. It does this through the vents on the back of the microwave and from around the door.

condensation

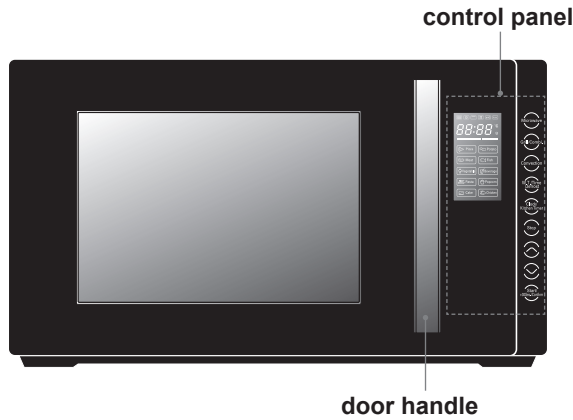
As the steam cools, you may find that condensation gathers in small pools inside your microwave and on the work surface beneath the door and vents. Always dry the microwave after cooking foods with a high moisture content.

Your microwave is designed to let steam escape from the vents and around the door without microwave energy escaping. There is no danger of microwave energy escaping with the steam.

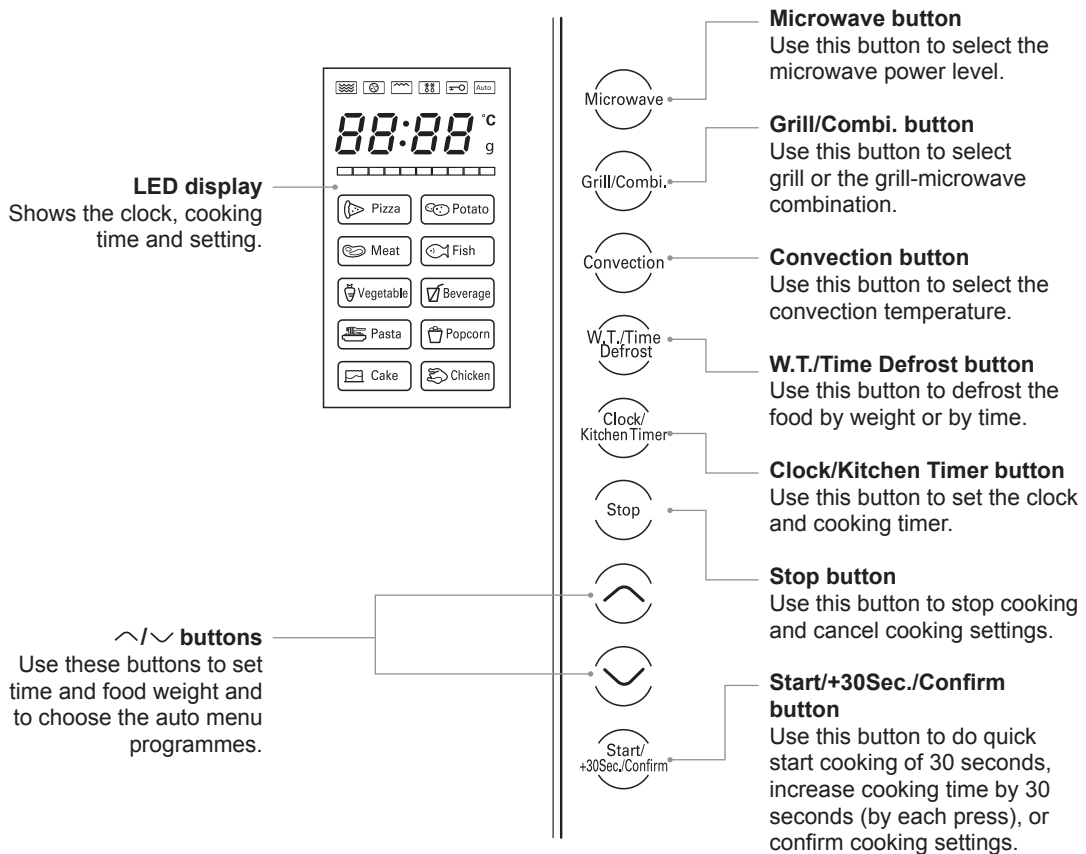


product overview

the main unit



the control panel

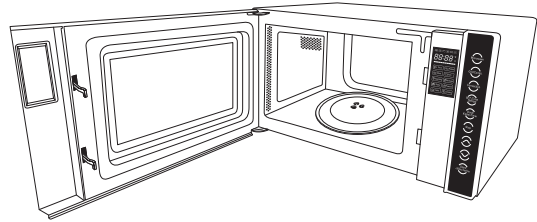


checking your microwave

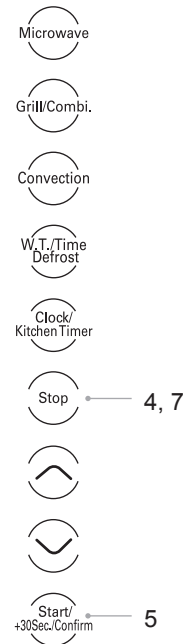
Check your microwave after unpacking.



For your safety, the microwave stops if the door is opened during cooking. Close the door and press the **Start/+30Sec./Confirm** button to continue the cooking cycle.



1. Pull the handle to open the door.
2. Place a cup of water on the glass turntable plate. Make sure the cup is microwave-safe (it should not have any decorative metal trim).
3. Close the door.
4. Press the **Stop** button to clear any settings that have already been made.
5. Press the **Start/+30Sec./Confirm** button to start a simple 30-second microwave cooking cycle that allows you to check the operation of the microwave.
6. When the cooking cycle has finished, the water should be hot (be careful when you take the cup out of the microwave).
7. Press the **Stop** button to clear any settings.



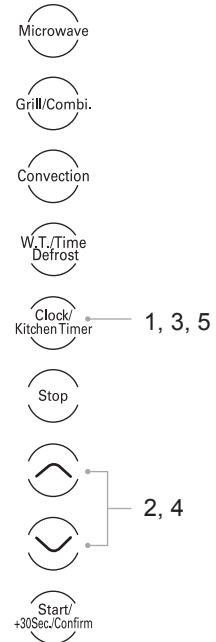
clock setting

When the microwave is connected to the mains power, the LED display will show "0:00" and the microwave will sound once. Please ensure that you have set the clock prior to use. Please follow the steps below to set the clock.

1. Press the **Clock/Kitchen Timer** button and the hour digits will flash.
2. Press the \wedge/\vee buttons to adjust the hour digits. The input time has to be within 0-23.
3. Press the **Clock/Kitchen Timer** button and the minute digits will flash.
4. Press the \wedge/\vee buttons to adjust the minute digits. The input time has to be within 0-59.
5. Press the **Clock/Kitchen Timer** button again to complete the clock setting. ":" will start flashing. The clock setting is complete.



- This is a 24-hour clock. When the microwave is connected to the mains power for the first time or when the power is resumed after a power interruption, the LED display will show "0:00". To re-set the clock, follow the above 5 steps.
- In the process of clock setting, if the **Stop** button is pressed or if there is no operation within 5 minutes, the microwave will go back to the previous status automatically.
- To find out the current time while the microwave is operating, press the **Clock/Kitchen Timer** button. It will last for 2-3 seconds and then return to its original display.



kitchen timer

When the kitchen timer is running, other functions cannot be used.

When the microwave is not in use, this feature allows you to use the microwave as a timer.

To set the **kitchen timer**, follow the steps below.

1. Press the **Clock/Kitchen Timer** button twice. The LED display will show “00:00”.
2. Press the \wedge/\vee buttons to select the timer time. The input time has to be within 0-95.



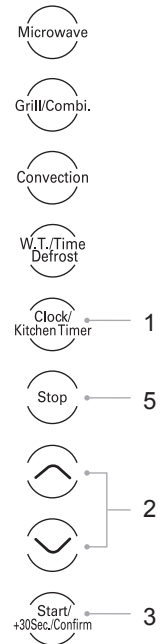
The time setting is between 0:05 - 95:00. Varying time increments are added or subtracted for each press of the \wedge/\vee buttons as follows:

- 0-1 min: 5 seconds
- 1-5 min: 10 seconds
- 5-10 min: 30 seconds
- 10-30 min: 1 minute
- 30-95 min: 5 minutes

3. Press the **Start/+30Sec./Confirm** button to confirm the setting.
4. Once the elapsed time is reached, the microwave will sound 5 times and return to its original state.
5. Press the **Stop** button to cancel the timer.





- The **Kitchen Timer** is not the clock; it is a timer.
- If the clock has been set, the LED panel will display the current time.

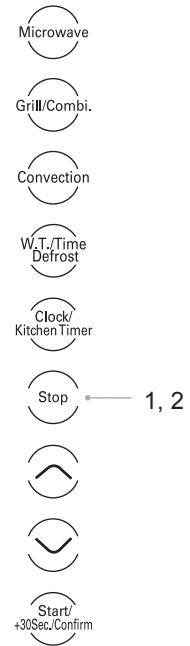


setting the child lock

This feature prevents the microwave from operating by locking the control panel until you cancel the lock.

Please follow the steps below to set the child lock.

1. Press the **Stop** button for 3 seconds; the unit will beep. The LED will display current time or "0:00". The child lock indicator  will illuminate to indicate the microwave has set the child lock.
2. To release the child lock, press the **Stop** button again for 3 seconds; the unit will beep. The child lock indicator  will disappear from the LED display to indicate that the microwave has released the child lock.



microwave cooking

For simple **microwave cooking**, follow the steps below.

For instance, if you want to use 80% microwave power to cook for 20 minutes.

1. Press the **Microwave** button once and the LED display will show "**P100**". Press the **microwave** button repeatedly until the LED display shows "**P80**".



Alternatively, after you press the **Microwave** button once, you can press the \wedge/\vee buttons until the LED display shows "**P80**".

2. Press the **Start/+30Sec./Confirm** button to confirm the microwave power level.
3. Press the \wedge/\vee buttons to adjust the cooking time until the LED display shows "**20:00**".

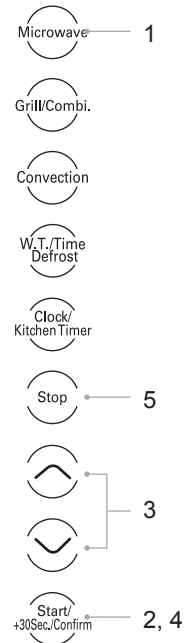


The time setting is between 0:05 - 95:00. Varying time increments are added or subtracted for each press of the \wedge/\vee buttons as follows:

- 0-1 min: 5 seconds
- 1-5 min: 10 seconds
- 5-10 min: 30 seconds
- 10-30 min: 1 minute
- 30-95 min: 5 minutes

4. Press the **Start/+30Sec./Confirm** button to confirm and start cooking.
5. Press the **Stop** button once to stop the cooking. Press the **Stop** button again to cancel the setting.

microwave button control		
press order	LED display	microwave power
1	P100	100%
2	P 80	80%
3	P 50	50%
4	P 30	30%
5	P 10	10%



- Stop the microwave before removing food.
- Operating the microwave without food in it can result in overheating and damaging the magnetron.
- Cooking with a microwave is much faster than conventional cooking. Whilst you should ensure that food is thoroughly cooked, you should be careful not to overcook it.

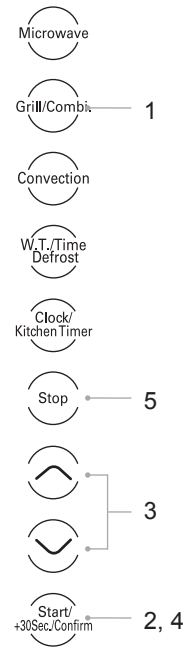
grilling or combination cooking

For **Grilling**, follow the steps below.



We recommend that you use the supplied grill rack. Place your food on the grill rack then place on top of the glass turntable plate.

1. Press the **Grill/Combi.** button once and the LED display will show "G-1".
2. Press the **Start/+30Sec./Confirm** button to confirm the grill cooking setting.
3. Press the \wedge/\vee buttons to adjust the cooking time.
4. Press the **Start/+30Sec./Confirm** button to confirm and start cooking.
5. Press the **Stop** button once to stop the cooking. Press the **Stop** button again to cancel the setting.



In order to obtain better grilling performance for your food, please turn your food over. When half the grill has passed, the oven will sound twice to remind you to turn the food over. After you turn over the food, you need to press the **Start/+30Sec./Confirm** button to continue. If no operation, the oven will continue cooking without pausing.

For **Combination Cooking**, follow the steps below.

1. Press the **Grill/Combi.** button twice and the LED display will show "C-1". Press the **Grill/Combi.** button three times and the LED display will show "C-2" and so forth.



Alternatively, after you press the **Grill/Combi.** button once, you can press the \wedge/\vee buttons until the LED display shows "C-1", "C-2", "C-3" or "C-4".

Grill/Combi. button control				
press order	LED display	microwave	grill	convection
1	G-1		✓	
2	C-1	✓		✓
3	C-2	✓	✓	
4	C-3		✓	✓
5	C-4	✓	✓	✓

2. Press the **Start/+30Sec./Confirm** button to confirm the cooking setting.
3. Press the \wedge/\vee buttons to adjust the cooking time.
4. Press the **Start/+30Sec./Confirm** button to confirm and start cooking.
5. Press the **Stop** button once to stop the cooking. Press the **Stop** button again to cancel the setting.

convection cooking (with preheating)

Convection cooking allows you to cook the food like a traditional oven.



We recommend that you use the supplied grill rack. Place your food on the grill rack then place on top of the glass turntable plate. It is recommended to preheat the microwave to the appropriate temperature before placing the food in the microwave. Microwave power will not be used.

1. Press the **Convection** button once and the LED display will flash “100°C”.
2. Press the **Convection** button repeatedly until the LED display shows your preferred temperature setting. Press the button each time and the temperature will increase 10°C. The temperature ranges from 100°C to 190°C.



Alternatively, after you press the **Convection** button once, you can press the ^/∨ buttons to change the temperature setting.

3. Press the **Start/+30Sec./Confirm** button to confirm the temperature setting.
4. Press the **Start/+30Sec./Confirm** button again to start preheating. Once the preheating temperature is reached, the microwave will sound twice and the LED display will flash the preheating temperature to remind you.
5. Place your food in the microwave and close the door. Press the ^/∨ buttons to adjust the cooking time. The maximum time setting is 95 minutes.

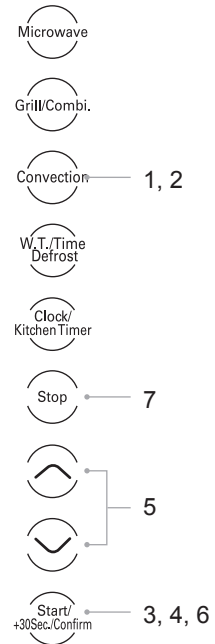


During use this appliance becomes hot. Care should be taken to avoid touching hot surfaces, e.g. glass turntable plate.

6. Press the **Start/+30Sec./Confirm** button to confirm and start cooking.
7. Press the **Stop** button once to stop the cooking. Press the **Stop** button again to cancel the setting.



Cooking time cannot be input until the preheating temperature is reached.



- You can check the convection temperature while cooking is in progress by pressing the **Convection** button.
- The cooking time must be input within 5 minutes, otherwise, the microwave will stop preheating, sound 5 times and return to its original display.

convection cooking (without preheating)

For **convection cooking** without preheating, please follow the steps below.



We recommend that you use the supplied grill rack. Place your food on the grill rack then place on top of the glass turntable plate.

For instance: If you want to cook your food for 15 minutes at 180°C.

1. Press the **Convection** button once and the LED display will flash “**100°C**”.
2. Press the **Convection** button repeatedly until the LED display shows “**180°C**”. Press the button each time and the temperature will increase 10°C. The temperature ranges from 100°C to 190°C.

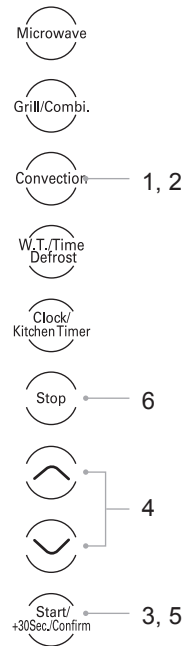


Alternatively, after you press the **Convection** button once, you can press the \wedge/\vee buttons to change the temperature setting.

3. Press the **Start/+30Sec./Confirm** button to confirm the temperature setting.
4. Place your food in the microwave and close the door. Press the \wedge/\vee buttons to adjust the cooking time to 15:00.
5. Press the **Start/+30Sec./Confirm** button to confirm and start cooking.
6. Press the **Stop** button once to stop the cooking. Press the **Stop** button again to cancel the setting.



The LED display will show the current temperature stage below the timer.



quick cooking

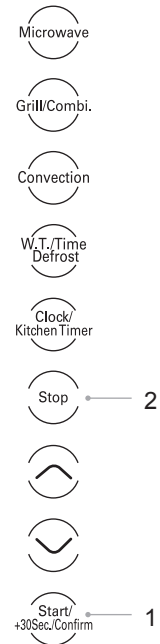
This feature allows you quickly cook your food for 30 seconds with 100% microwave power.

Please follow the steps below.

1. Press the **Start/+30Sec./Confirm** button to start the speedy cooking. Press the **Start/+30Sec./Confirm** button again to add another 30 seconds.
2. Press the **Stop** button once to stop the cooking. Press the **Stop** button again to cancel the setting.



This function does not work when using defrost by weight and auto menu cooking.



auto cooking

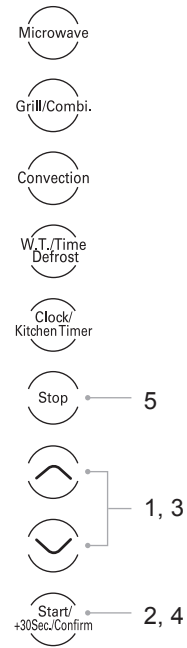
This feature allows you to cook most of your food based on the food category and the weight. Select the category and choose the weight of your food. For quick reference of the cooking time and the weight, please refer to the **auto-cook menu** table.

auto-cook menu

1. Press the \wedge/\vee buttons to select the auto menu programme required. The LED display will show "A1" to "A10".
2. Press the **Start/+30Sec./Confirm** button to confirm.
3. Press the \wedge/\vee buttons to select the weight for your chosen programme. Please refer to the auto menu table for information.
4. Press the **Start/+30Sec./Confirm** button to confirm and start cooking.
5. Press the **Stop** button once to stop the cooking. Press the **Stop** button again to cancel the setting.

For instance: If you want to cook 300g of fish using the auto menu programme. Please follow the steps below:

1. Press the \wedge/\vee buttons to select the Auto Menu programme for fish. The LED display will show "A4".
2. Press the **Start/+30Sec./Confirm** button to confirm.
3. Press the \wedge/\vee buttons again to select the weight option for A4 programme until the LED display shows "300g".
4. Press the **Start/+30Sec./Confirm** button to confirm and start cooking.



- Baking a cake requires convection mode. Once you have confirmed the cooking programme, the unit will automatically pre-heat to 160°C. When 160°C is reached, the microwave will stop and beep. Place the cake in the microwave and press the **Start/+30Sec./Confirm** button to start baking.
- Use a 50mm-high grill rack to roast chicken. During roasting, the unit will beep twice. Turn the food over and press the **Start/+30Sec./Confirm** button to continue.



When using the auto-cook menu, it is not necessary to programme the time or cooking power. Indicating the food type and weight is sufficient. For some food, you may need to turn it over during cooking to ensure it is thoroughly cooked and browns evenly.



The density and thickness of food can affect its cooking time. Ensure all food is piping hot and cooked thoroughly before serving. It is essential that food is checked during and after the recommended cooking time, even if auto-cook menu was used.

auto-cook menu table

menu	weight	display	cooking time	comments	
A1 pizza	300g	300g	10'00"	This setting is designed for re-heating cooked pizza slices (not frozen pizza). Additional cooking time may be required for thicker pieces of pizza.	
	400g	400g	11'30"		
A2 potato* (at least 230g per potato)	230g	230g	5'30"	For best results, pierce the potato's skin before cooking. Once the potato is cooked, wrap it in aluminium foil for at least 5 minutes to ensure it is cooked thoroughly.	
	460g	460g	9'00"		
	690g	690g	12'00"		
A3 meat	200g	200g	2'40"	Make sure food is cooked thoroughly before consuming. Additional cooking time may be required for thicker pieces of meat.	
	300g	300g	4'20"		
	400g	400g	5'30"		
	500g	500g	6'30"		
A4 fish	200g	200g	3'30"	Make sure food is cooked thoroughly before consuming. Additional cooking time may be required for thicker pieces of fish.	
	300g	300g	4'30"		
	400g	400g	5'30"		
	500g	500g	6'30"		
A5 vegetable	200g	200g	3'00"	Only use suitable microwavable containers and cling film in the microwave. Check regularly to ensure the water does not boil over.	
	300g	300g	4'00"		
	400g	400g	5'00"		
	500g	500g	6'00"		
A6 beverage	240ml	1	1'50"	Only use suitable microwavable containers and cling film in the microwave. Pierce the film with a fork before cooking.	
	480ml	2	3'00"		
	720ml	3	4'30"		
A7 pasta	50g	50g	18'00"	50g of Pasta + 450ml of Cold Water	Only use suitable microwavable containers and cling film in the microwave. Check the cooking regularly to make sure the water does not boil over.
	100g	100g	21'00"	100g of Pasta + 800ml of Cold Water	
	150g	150g	24'00"	150g of Pasta + 1200ml of Cold Water	
A8 popcorn	50g	50g	1'25"	Only use suitable microwavable containers and cling film in the microwave.	
	100g	100g	2'15"		
A9 cake	475g	475g	70'00"	For best results, we recommend using a cake mix. Use a tin no larger than 8 inches and the microwave will auto preheat the microwave at 160°C first. We do not recommend using a grill rack, it would be better to use the glass turntable to support the tin. Check the cake at regular intervals.	
A10 chicken	750g	750g	35'00"	Make sure food is cooked thoroughly before consuming. Additional cooking time may be required for thicker pieces of chicken. We recommend that you use the supplied grill rack.	
	1000g	1000g	40'00"		
	1250g	1250g	45'00"		

* It is recommended that when auto-cooking a potato, the potato should weigh at least 230g.
Note: Potatoes will vary in water content depending on age, type, weight, etc.

defrosting

This feature allows you to defrost your frozen foods simply by entering the weight or time.

defrost by weight

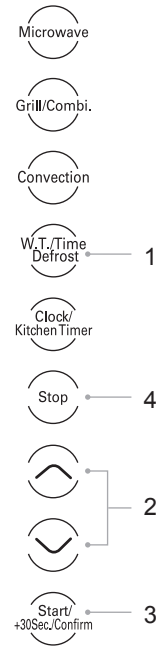
1. Press the **W.T./Time Defrost** button once and the LED display will show “**dEF1**”.
2. Press the \wedge/\vee buttons to adjust the weight of your food. The default range is **100g** to **2000g**.
3. Press the **Start/+30Sec./Confirm** button to start defrosting.
4. Press the **Stop** button once to stop defrosting. Press the **Stop** button again to cancel the setting.



When half the defrosting time pass, the oven will beep twice to remind you to turn the food over. After you turn over the food, you need to press the **Start/+30Sec./Confirm** button to continue. If no operation, the oven will continue cooking without pausing.

defrost by time

1. Press the **W.T./Time Defrost** button twice and the LED display will show “**dEF2**”.
2. Press the \wedge/\vee buttons to set the defrosting time. The input time has to be within 0-95 minutes.
3. Press the **Start/+30Sec./Confirm** button to start defrosting.
4. Press the **Stop** button once to stop defrosting. Press the **Stop** button again to cancel the setting.



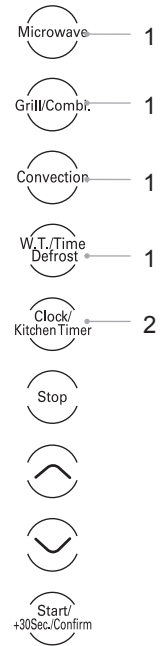
- Large items may be frozen in the centre. Therefore, to ensure even thawing, turn them over from time to time and break them into smaller pieces during defrosting.
- Place roasts fat-side down or whole poultry breast-side down.
- Drain liquids during defrosting as the juices from food can get hot and cook the food.

querying the cooking function

This feature allows you to check and view the current cooking settings.

to find out the current cooking setting

1. Press the **microwave**, **Grill/Combi.**, **Convection** or **W.T./Time Defrost** button once and the LED display will show the current cooking setting while the microwave is either in microwave, grill, combination, convection cooking or defrosting mode. The display will last for 2 - 3 seconds and the microwave will then return to its original display.



to find out the time

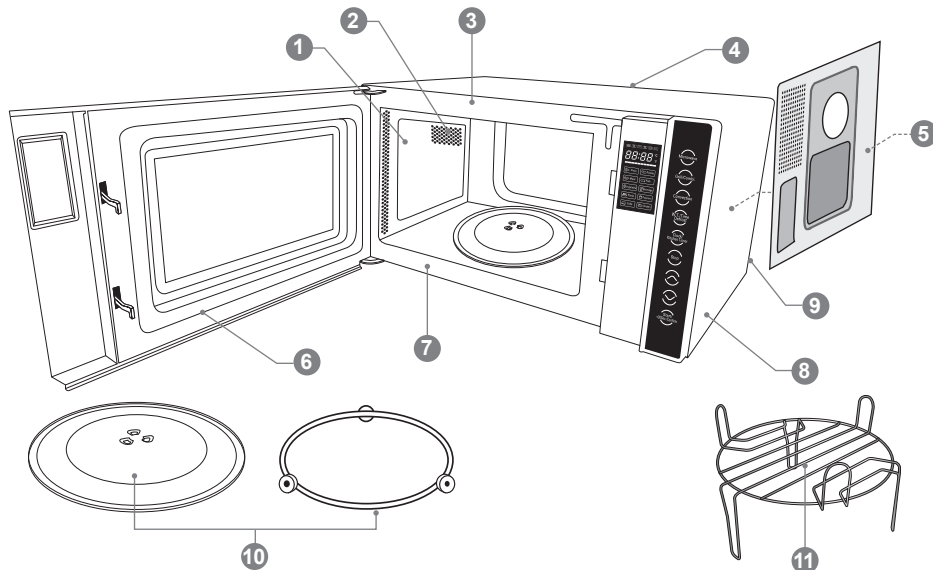
2. Press the **Clock/Kitchen Timer** button once and the LED display will show the time while the microwave is in microwave, grill, combination, convection cooking or defrosting mode. The display will last for 2 - 3 seconds and the microwave will then return to its original display.

cleaning your microwave

Cleaning your microwave each time you use it will help to prevent a build up of stubborn marks that can be difficult to clean.

Unplug your microwave from the mains and wait for it to completely cool down before cleaning.

On the right hand side wall of the cavity is the wave guide cover. Microwaves are passed through this to enable your food to cook. It is important that this wave guide cover is kept clean at all times. Wipe it with mild detergent and water and leave to dry.



- 1 The microwave walls have a special enamel coating which makes cleaning very easy. Use a soft damp cloth to wipe off any splashes or a paper towel to mop up any spills. Wipe off grease with a damp cloth and a little detergent. Dry thoroughly. If grease is left to accumulate, it can smoke and even catch fire.
- 2 Make sure you keep the outlet grids clean.
- 3 Keep the front of the microwave clean so that the door can close properly.
- 4 Be careful not to spill water into the vents.
- 5 Do not remove the wave guide cover: It is important to keep the cover clean in the same manner as the inside of the microwave. If grease is left to accumulate, it can smoke and even catch fire.
- 6 Keep the inside of the door clean with a damp cloth. Use warm soapy water for stubborn marks and dry thoroughly. The inside of the door has a special coating and must not be cleaned with abrasive pads or cleaning powders.
- 7 Clean behind the door ledge.
- 8 Use warm soapy water to clean the outside of the microwave. Do not use abrasive cleaners, pads or powders that could scratch the surface.
- 9 Unplug the microwave before cleaning the power cord and the microwave. Wipe with a damp cloth and leave to dry before plugging it back in.
- 10 Treat the glass turntable plate as you would any glass plate. After you have used it for more than 15 minutes, allow it to cool down before you use it again. Do not wash the glass turntable plate in very hot water, doing so could crack it. Wash the turntable support in warm water. Make sure the glass turntable plate and turntable support are dry before you put them back in the microwave.
- 11 Wash the racks in warm water. Do not use very hot water.



Do not remove any fixed parts from the inside of your microwave during cleaning or at any other time.

frequently asked questions

If a problem does occur, it may often be due to something very minor. The following Q & A may be able to resolve the issue.

questions	answers
Why doesn't the food seem to cook?	Check that: <ul style="list-style-type: none"> • the cooking time has been set. • the door is closed. • the mains socket is not overloaded causing the fuse to blow.
Why does the food seem undercooked or overcooked?	Check that: <ul style="list-style-type: none"> • the correct cooking time has been set. • the correct power setting has been used.
How can I stop eggs from popping?	When you bake or poach eggs in the microwave, the yolk can sometimes pop as steam builds up inside it. You can stop the egg from popping by piercing the yolk with a toothpick before cooking. Never cook eggs that are still in their shells.
Why is it so important that I allow standing time after cooking?	With microwave cooking, many foods build up enough heat inside them to continue cooking even after they've been taken out of the microwave. For a short time after cooking the heated product will continue to cook, leaving products to stand will allow for even cooking and heat distribution
Why does my microwave sometimes take longer to cook than it says in the recipe?	First check that the microwave was set just as the recipe said. Cooking times and heat settings are suggestions to help prevent overcooking but differences in the weight, size, shape and starting temperature of food will all affect how long it takes to cook – just as it does with a conventional oven. Use your judgement along with the recipe to check whether the food has been cooked properly.
Why do I get condensation on the inside of the door?	Condensation is perfectly normal, especially when you are cooking food with a high moisture content such as potatoes.
Does the microwave energy get through the window on the door?	No. The door has a special metal screen with holes that lets you see inside but stops microwave energy from getting out.
Steam comes out of the side of the door and vents. Can microwave energy get out too?	No. The door and vents are carefully designed to let steam out during cooking but keep microwave energy in. The gaps are not big enough for microwave energy to escape.
What happens if the microwave is switched on while the microwave is empty?	The microwave will be damaged. Do not switch the microwave on when there's nothing inside the microwave. It is a good idea to keep a cup of water in the microwave just in case someone accidentally starts the microwave.
Why doesn't the microwave's light illuminate?	Open the door. If the light does not illuminate, the bulb has probably blown. Call a qualified technician – do not try to change the bulb yourself.
There are sparks inside the microwave when I use the microwave. Will this cause any damage?	Yes. Make sure that you are not using any metal utensils and that your containers don't have a metal trim. You must not use metal in your microwave when you cook (except aluminium foil).
Light is showing through the vents and door. Does this mean the microwave energy can escape?	No. It is normal for the light to be visible and is nothing to be concerned about.
Why do I get interference on my TV and radio when I use the microwave?	Microwaves use radio waves similar to those received by TVs and radios. You can lessen the interference by moving your microwave further away from the TV or radio.

specifications

model	K23CM13
input	230 - 240V~ 50Hz
microwave output	750-800 W
microwave frequency	2450 MHz
outside dimensions (width x deep x height)	485 x 415.2 x 292.5 mm
power consumption	
microwave input	1300 W
grill input	1200 W
convection input	1200 W

Complies with EC directives 2004/108/EC and 2006/95/EC.

We continually strive to improve our products. Features and specifications may change without prior notice.

NOTE: If you require a replacement for any of the items listed below, please quote their corresponding part numbers:

Replacement Part	Part Number
Grill Rack	XXXXXXXXXX
Glass Turntable Plate	XXXXXXXXXX
Turntable Support	XXXXXXXXXX



For general information about this appliance and handy hints and tips, please visit www.knowhow.com/knowledgebank or call 0844 5611234.



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This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.



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