

# Panasonic®

## Operating Instructions and Cookbook Microwave Oven

Model No. NN-SD27HS

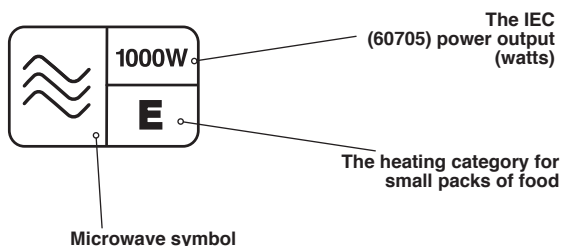
For domestic use only



***INVERTER***

**Important safety instructions  
Please read carefully and keep for future reference**

## Important Notice



Thank you for purchasing a Panasonic Microwave Oven.

Your oven is rated 1000 Watts (IEC). When using other cookbooks remember to adjust cooking times accordingly. The symbol above, which is displayed on your oven door, indicates the heating category for your oven when cooking or reheating convenience foods.

Your oven is rated 'E', which is very efficient. It is therefore very important that you refer carefully to the packet instructions on convenience foods.

Some packet instructions only display information for B or D rated ovens. We therefore provide additional guidelines for reheating and cooking on pages **36-42** of this book.

**Always** check the progress of the food as it cooks or reheats by simply opening the door. After checking the progress of the foods, press **Start** to continue the cooking time.

Failure to follow the instructions given in this Operating Instructions and Cookbook, may affect the recipe result and in some instances may be dangerous.



Customer Communications Centre

0344 844 3899

### Selected Spares and Accessories:

Order direct on line at [www.panasonic.co.uk](http://www.panasonic.co.uk) or by telephoning the Customer Communications Centre number above.

For Cookery Advice call: 01344 862108 (open Monday to Wednesday 9am - 12pm)  
Alternatively visit our web site at [www.theideaskitchen.co.uk](http://www.theideaskitchen.co.uk)

Thank you for purchasing this Panasonic appliance.

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## Safety Instructions

- Important safety instructions. Before operating this oven, please read these instructions carefully and keep for future reference.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory and mental capabilities or lack of experience and knowledge if they have been given supervision or instruction by a person responsible for their safety concerning the 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 without supervision. Keep the appliance and its cord out of reach of children less than 8 years.
- When this oven is installed, it should be easy to isolate the appliance from the electricity supply by pulling out the plug or operating a circuit breaker.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Warning! The appliance should be inspected for damage to the door seals and door seal areas and if these areas are damaged the appliance should not be operated until it has been repaired by a service technician trained by the manufacturer.
- Warning! Do not place this oven near an electric or gas cooker range.

## Safety Instructions

- Liquids and other foods must not be heated in sealed containers since they are liable to explode.
- Warning! Do not attempt to tamper with or make any adjustments or repairs to the door, control panel housing, safety interlock switches or any other part of the oven. Do not remove the outer panel from the oven which gives protection against exposure to microwave energy.
- Repairs should only be by a qualified service person.
- 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.
- This oven is intended for counter-top use only. It is not intended for built-in use or use inside a cupboard.

### **For countertop use:**

- Oven must be placed on a flat, stable surface 85 cm / 33 ½ " above floor level. For proper operation, the oven must have sufficient air flow. i.e. 5 cm / 2" at one side, the other being open; 15 cm / 6" clear over the top; 10 cm / 4" at the rear.
- When heating food in plastic or paper containers, check the oven frequently as these types of containers ignite if overheated.
- If smoke is emitted or a fire occurs in the oven, press Stop/Cancel button and leave the door closed in order to stifle any flames. Disconnect the power cord, or shut off power at fuse or circuit breaker panel.
- This appliance is intended to be used in household applications only.

## Safety Instructions

- Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container.
- The contents of feeding bottles and baby food jars are to be stirred or shaken. The temperature has to be checked before consumption to avoid burns.
- Do not cook eggs in their shells and whole hard-boiled eggs by **microwave**. Pressure may build up and the eggs may explode, even after the microwave heating has ended.
- Clean the inside of the oven, door seals and door seal areas regularly. When food splatters or spilled liquids adhere to the oven walls, door seals and door seal areas wipe off with a damp cloth. Mild detergent may be used if they get very dirty. The use of harsh detergent or abrasive is not recommended. **Do not use commercial oven cleaners.**
- Failure to maintain the oven in a clean condition could lead to deterioration of surfaces that could affect the life of the appliance and possibly result in a hazardous situation.
- A steam cleaner is not to be used for cleaning the appliance.
- Only use utensils that are suitable for use in microwave ovens.
- 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.

## Safety Instructions

- This appliance is not intended to be operated by means of an external timer or separate remote-control system.
- In case of electronic failure, oven can only be turned off at wall socket.
- Metal containers or dishes with metallic trim should not be used during microwave cooking. Sparking will occur.
- This microwave oven is intended for heating food and beverages only. Take care when heating foods low in moisture, e.g. bread items, chocolate, biscuits and pastries. These can easily burn, dry out or catch on fire if cooked too long. We do not recommend heating foods low in moisture such as popcorn or poppadoms.
- Drying of food, newspapers or clothing and heating of warming pads, slippers, sponges, damp cloths, wheat bags, hot water bottles and similar may lead to risk of injury, ignition or fire.
- The oven lamp must be replaced by a service technician trained by the manufacturer. Do not attempt to remove the outer casing from the oven.
- Caution! In order to avoid a hazard due to inadvertent resetting of the thermal cut-out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.



## Safety Instructions

**Read carefully and keep for future reference.**

This appliance is supplied with a moulded three pin mains plug for your safety and convenience, which may be marked, and rated 10 amps.

A 10 amp fuse is fitted according to the type of mains plug fitted.

Should the fuse need to be replaced, please ensure that the replacement fuse has the correct rating for the type of mains plug fitted and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

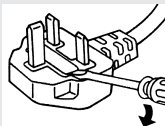


### Warning!

**If the fuse cover is detachable, never use the plug with the cover omitted. A replacement fuse cover can be purchased from your local Panasonic Dealer.**

### How to replace the fuse

**Open the fuse compartment with a screwdriver and replace the fuse.**



**If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disposed of safely and an appropriate one fitted. There is a danger of severe electrical shock if the cut off plug is inserted into any 10 amp socket.**

If a new plug is to be fitted, please observe the wiring code as shown opposite. If in any doubt, please consult a qualified electrician (For U.K. Models only).



### Warning!


**This appliance must be earthed.**



### Important!

**The wires in this mains lead are coloured in accordance with the following code: Green-and-yellow: Earth. Blue: Neutral. Brown: Live.**

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

The wire which is coloured **green-and-yellow** must be connected to the terminal in the plug which is marked with the letter **E** or by the Earth symbol  or coloured **green** or **green-and-yellow**.

The wire which is coloured **blue** must be connected to the terminal in the plug which is marked with the letter **N** or coloured **black**.

The wire which is coloured **brown** must be connected to the terminal in the plug which is marked with the letter **L** or coloured **red**.

When this oven is installed it should be easy to isolate the appliance from the electricity supply by pulling out the plug or operating a circuit breaker.



### Voltage & Power

The voltage used must be the same as specified on this microwave oven. Using a higher voltage than that which is specified is dangerous and may result in a fire or other type of accident causing damage.

Do not immerse cord, plug or oven in water. Keep cord away from heated surfaces. Do not let cord hang over the edge of table or work top. Do not plug your oven in via an extension cable as this can be dangerous. It is important to plug the oven directly into a wall socket.

The back of the appliance heats up during use. Do not allow the cord to be in contact with the back of the appliance or cabinet surface.



## Disposal of Waste Products



Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households).

This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business Users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in Other Countries Outside the European Union

This symbol is only valid in the European Union.

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

## Before Using Your Oven

### Examine Your Oven

1. Unpack oven, remove all packing material, and examine the oven for any damage such as dents, broken door latches or cracks in the door. Notify dealer immediately if unit is damaged. Do **not** install if unit is damaged.



### Note

The appliance should be inspected for damage to the door seals and door seal areas. If these areas are damaged the appliance should not be operated until it has been repaired by a service technician trained by the manufacturer.

### Guarantee

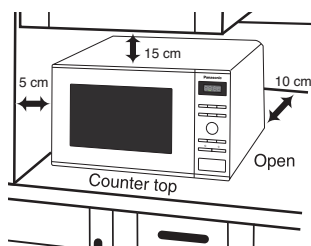
2. Your receipt is your guarantee, please keep safely.

### Cord

3. If the supply cord of this appliance is damaged, it must be replaced by the manufacturer or it's service agent or a similarly qualified person in order to avoid a hazard.

## Placement of Your Oven

This oven is intended for household counter-top use only. It is not intended for built-in use or for use inside a cupboard.



1. Oven must be placed on a flat, stable surface 85 cm / 33 1/2" above floor level. For proper operation, the oven must have sufficient air flow. i.e. 5 cm / 2" at one side, the other being open; 15 cm / 6" clear over the top; 10 cm / 4" at the rear.
2. Do not place the microwave oven on a shelf directly above a gas or electric hob. This may be a safety hazard and the oven may be damaged.
3. Do not block the air vents on the sides and back of the oven. If these openings are blocked during operation the oven may overheat. In this case the oven is protected by a thermal safety device and resumes operation only after cooling down. The oven will remain inoperable with a blank display until it has cooled.
4. This appliance is intended to be used in household applications only.

## Care & Cleaning of Your Oven



### Important

It is essential for the safe operation of the oven that it is kept clean, and wiped out after each use. Failure to maintain the oven in a clean condition could lead to deterioration of a surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.

1. **Switch the oven off before cleaning** and unplug at socket if possible.
2. **Keep the inside of the oven, door seals and door seal areas clean.**  
When food splatters or spilled liquids adhere to oven walls, door seals and door seal areas wipe off with a damp cloth. Mild detergent may be used if they get very dirty. The use of harsh detergent or abrasives is not recommended. Take care when cleaning around the waveguide cover.
3. Your **oven cavity** is constructed of zinc coated steel, painted with an extremely durable coating. After use, the oven interior should be wiped out to remove any remaining water in order to reduce the risk of corrosion to the cavity and door.  
  
The cavity and door can be damaged by abrasive cleaners and sharp objects so care must be taken to avoid damage caused in this way. If the cavity or door become damaged the lining may begin to corrode. Providing the above precautions are taken regarding the cleaning and care of your oven the life of the cavity and door may be extended.
4. The **outside oven surface** should be cleaned with a damp cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
5. If the **control panel** becomes dirty, clean with a soft, dry cloth. Do not use harsh detergents or abrasives on control panel. When cleaning the control panel, leave the oven door open to prevent the oven from accidentally turning on. After cleaning press **Stop/Cancel button** to clear display window.
6. 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.
7. **Keep air vents clear at all times.**  
Check that no dust or other material is blocking any of the air vents on the top, bottom or rear of the oven.  
If air vents become blocked this could cause overheating which would affect the operation of the oven and possibly result in a hazardous situation.
8. **If steam accumulates** inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates a malfunction of the unit or microwave leakage.
9. It is occasionally necessary to remove the **glass turntable** for cleaning. Wash the glass turntable in warm soapy water.
10. The **roller ring and oven cavity floor** should be cleaned regularly to avoid excessive noise. Simply wipe the bottom surface of the oven with mild detergent and hot water then dry with a clean cloth. The roller ring may be washed in mild soapy water.  
  
After removing the roller ring from cavity floor for cleaning, be sure to replace it in the proper position.
11. A **steam cleaner** is not to be used for cleaning.
12. Users are advised to **avoid any downward pressure** on the microwave door when in the open position. There is a safety risk that the oven will tilt forward.

## Maintenance of Your Oven

### Service

1. **When your oven requires a service** call your local Panasonic engineer (**Customer Communications Centre on 0344 844 3899** can recommend an engineer).

### Door Seals

2. Do not attempt to tamper with or make any adjustments or repairs to door, control panel housing, safety interlock switches or any other part of the oven. Do not remove outer panel from oven. The door seals and door seal areas should always be kept clean – use a damp cloth.

### Oven Light

3. The oven lamp must be replaced by a service technician trained by Panasonic. **Do not** attempt to remove the outer casing from the oven.



### Warning!

The appliance should be inspected for damage to the door seals and door seal areas. If these areas are damaged the appliance should not be operated until it has been repaired by a service technician trained by the manufacturer.

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

### Selected Spares and Accessories

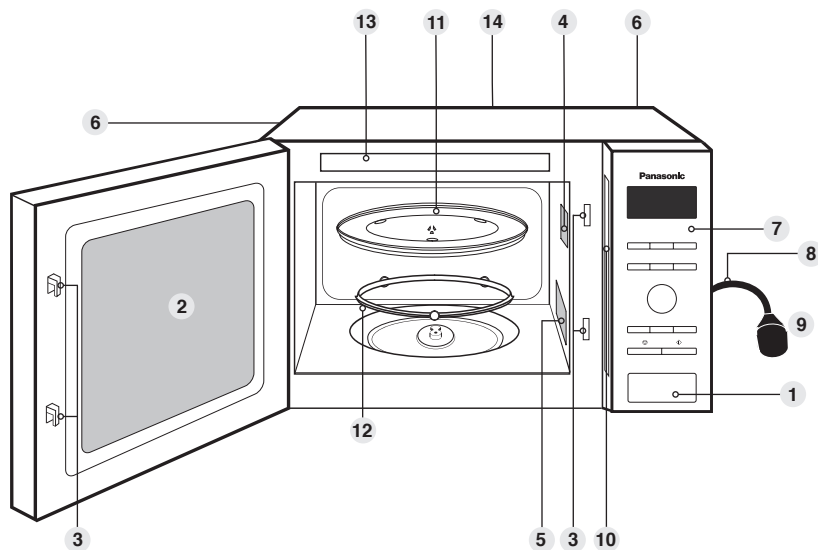
4. These may be ordered direct; on line at [www.panasonic.co.uk](http://www.panasonic.co.uk) or by telephoning the **Customer Communications Centre on 0344 844 3899**. Most major credit and debit cards accepted. Ensure you quote the correct model number.

## Parts of Your Oven

1. Do not operate the oven without the roller ring and glass turntable in place.
2. Only use the glass turntable specifically designed for this oven. Do not substitute with any other glass turntable.
3. If glass turntable is hot, allow to cool before cleaning or placing in water.
4. Do not cook directly on glass turntable. Always place food in a microwave safe dish. The only exception to this is when cooking jacket potatoes or auto program jacket potatoes.
5. If food or utensils on the glass turntable touch the oven walls this will cause the turntable to stop moving. It will then automatically rotate in the opposite direction. This is normal. Open oven door, reposition the food and restart.
6. The glass turntable can rotate in either direction. The maximum weight that can be placed on the turntable is 3 kg (6 lb 10 oz, this includes total weight of food and dish).
7. While cooking by **microwave** the turntable may vibrate. This will not affect cooking performance.
8. Arcing may occur if the incorrect weight of food is used or a metal container has been used accidentally. If this occurs, stop the machine immediately.

## Parts of Your Oven

- 1. Door release**  
Push to open the door. Opening the door during cooking will stop the cooking process without cancelling the program. Cooking resumes as soon as the door is closed and Start button is pressed.
- 2. See-through oven window**
- 3. Door safety lock system**
- 4. Oven air vent**
- 5. Waveguide cover (do not remove)**
- 6. External oven air vents**
- 7. Control panel**
- 8. Power supply cord**
- 9. Plug**
- 10. Identification label**
- 11. Glass turntable**
- 12. Roller ring**
  - (i). The roller ring and oven floor should be cleaned frequently to prevent excessive noise.
  - (ii). The roller ring must always be used together with the glass turntable for cooking.
- 13. Menu label**
- 14. Warning label**



### Note

The illustration is for reference only.

## Important User Instructions

### Safety

If smoke is emitted or a fire occurs in the oven, press Stop/Cancel and leave the door closed in order to stifle any flames.

Disconnect the power cord, or shut off power at the fuse or the circuit breaker panel.

### Short Cooking Times

As microwave cooking times are much shorter than other cooking methods it is essential that recommended cooking times are not exceeded without first checking the food.

Cooking times given in the cookbook are approximate. Factors that may affect cooking times are: preferred degree of cooking, starting temperature, altitude, volume, size and shape of foods and utensils used. As you become familiar with the oven, you will be able to adjust these factors.

It is better to undercook rather than overcook foods. If food is undercooked, it can always be returned to the oven for further cooking. If food is overcooked, nothing can be done. Always start with minimum cooking times.



#### Important

**If the recommended cooking times are exceeded the food will be spoiled and in extreme circumstances could catch fire and possibly damage the interior of the oven.**

**Never operate the oven without food inside.**

### Small Quantities of Food

Take care when heating small quantities of food as these can easily burn, dry out or catch fire if cooked too long. Always set short cooking times and check the food frequently.

### Foods Low in Moisture

Take care when heating foods low in moisture, e.g. bread items, chocolate, popcorn, biscuits and pastries. These can easily burn, dry out or catch on fire if cooked too long.

We do not recommend heating foods low in moisture such as popcorn or poppadoms. The oven has been developed for food use. The microwave oven is intended for heating food and beverages only. Drying of food, newspapers or clothing and heating of warming pads, slippers, sponges, damp cloth, wheat bags, hot water bottles and similar may lead to risk of injury, ignition or fire.

### Christmas Pudding

Christmas puddings and other foods high in fats or sugar, eg. jam, mince pies, must not be over heated. These foods must never be left unattended as with over cooking these foods can ignite.

### Boiled Eggs

Eggs in their shell and whole hard boiled eggs should not be heated in microwave ovens since they may explode even after microwave heating has ended.

### Foods with Skins

Potatoes, apples, egg yolk, whole vegetables and sausages are examples of food with non porous skins. These must be pierced using a fork before cooking to prevent bursting.



#### Warning!

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

## Important User Instructions

### Liquids

When heating liquids, e.g. soup, sauces and beverages in your microwave oven, overheating the liquid beyond boiling point can occur without evidence of bubbling.

This could result in a sudden boil over of the hot liquid. To prevent this possibility the following steps should be taken:

- a) Avoid using straight-sided containers with narrow necks.
- b) Do not overheat.
- c) Stir the liquid before placing the container in the oven and again halfway through the heating time.
- d) After heating, allow to stand in the oven for a short time, stirring again before carefully removing the container.
- e) Microwave heating of beverages can result in delayed eruptive boiling, therefore care should be taken when handling the container.

### Lids

Always remove the lids of jars and containers and takeaway food containers before you microwave them. If you don't then steam and pressure might build up inside and cause an explosion even after the microwave cooking has stopped.

### Deep Fat Frying

Do not attempt to deep fat fry in your oven.

### Meat Thermometer

Use a meat thermometer to check the degree of cooking of joints and poultry only when meat has been removed from the microwave. If undercooked, return to the oven and cook for a few more minutes at the recommended power level. Do not leave a conventional meat thermometer in the oven when microwaving.

### Paper, Plastic

When heating food in plastic or paper containers keep an eye on the oven due to the possibility of ignition. Do not use wire twist-ties with roasting bags as arcing will occur. Do not use recycled paper products, e.g. kitchen roll unless they say they are specifically designed for use in a microwave oven. These products contain impurities which may cause sparks and/or fires when used.

### Reheating

It is essential that reheated food is served "piping hot". Remove the food from the oven and check that it is "piping hot", i.e. steam is being emitted from all parts and any sauce is bubbling (If you wish you may choose to check the food has reached 75 °C with a food thermometer – but remember do not use this thermometer inside the microwave).

For foods that cannot be stirred, e.g. lasagne, shepherds pie, the centre should be cut with a knife to test it is well heated through. Even if a manufacturer's packet instructions have been followed always check the food is piping hot before serving and if in doubt return your food to the oven for further heating.

### Standing Time

Standing time refers to the period at the end of cooking or reheating when food is left before being eaten, i.e. it is a rest time which allows the heat in the food to continue to conduct to the centre, thus eliminating cold spots.

### Keeping Your Oven Clean

It is essential for the safe operation of the oven that it is wiped out regularly. Use warm soapy water, squeeze the cloth out well and use to remove any grease or food from the interior. Pay particular attention to the door seal area and also the areas around the microwave feed guide situated on the right hand side of the cavity wall. The oven should be unplugged when cleaning.

## Important User Instructions

### Fan Motor operation

After using the oven the fan motor may rotate for a few minutes to cool the electric components. This is normal and you can take out food even though the fan motor operates. You can continue using the oven during this time.

### Utensils/ Containers

Before use check that utensils/containers are suitable for use in microwave ovens. See pages 21-22.

### Babies Bottles and Food Jars

When reheating babies bottles always remove top and teat. Liquid at the top of the bottle will be much hotter than that at the bottom and must be shaken thoroughly before checking the temperature. The lid must also be removed from babies food jars, the contents must also be stirred or shaken before the temperature is checked. This should be carried out before consumption to avoid burns. See page 35.

### Arcing

Arcing may occur if a metal container has been used accidentally or if the incorrect weight of food is used or the wire rack has been damaged. Arcing is when blue flashes of light are seen in the microwave oven. If this occurs, stop the machine immediately. If the oven is left unattended and this continues it can damage the machine.

### Maximum weight on Turntable

The maximum weight that can be placed on the turntable is 3 kg (6 lb 10 oz) (this includes total weight of food and dish).

### Storage of Accessories

Do not store any objects other than oven accessories inside the oven in case it is accidentally turned on.



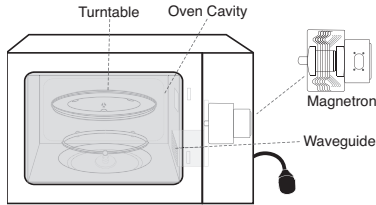
#### Warning!

**Do not operate the oven empty. The appliance must not be operated without food in the oven. Operation when empty will damage the appliance.**

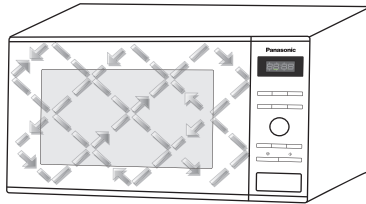


# Microwaving Principles

Microwaves are present in the atmosphere all the time, both naturally and from manmade sources. Manmade sources include radar, radio, television, telecommunication links and mobile phones.

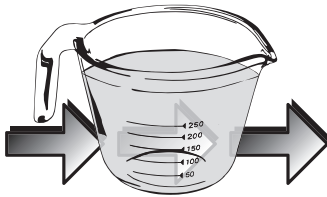


In a microwave oven, electricity is converted into microwaves by the **magnetron**.



## Reflection

The microwaves bounce off the metal walls and the metal door screen.



## Transmission

Then they pass through the cooking containers to be absorbed by the water molecules in the food, all foods contain water to a more or lesser extent.



## Note

The dish used to cook or reheat the food will get warm during cooking, as the heat conducts from the food. Even in microwaving, oven gloves are required!

Microwaves cannot pass through metal and therefore metal cooking utensils can never be used in a microwave, for cooking on microwave only.

## How Microwaves cook food

The microwaves cause the water molecules to vibrate which causes **friction**, i.e. **heat**. This heat then cooks the food. Microwaves are also attracted to fat and sugar particles, and foods high in these will cook more quickly. Microwaves can only penetrate to a depth of 1½ -2 inches (4-5 cm) and as heat spreads through the food by conduction, just as in a traditional oven, the food cooks from the outside inwards.

## Foods Not Suitable for Cooking by Microwave Only

Yorkshire Puddings and Souffles. This is because these foods rely on dry external heat to cook correctly, do not attempt to cook by microwave. Foods that require deep fat frying cannot be cooked either.

## Standing Time

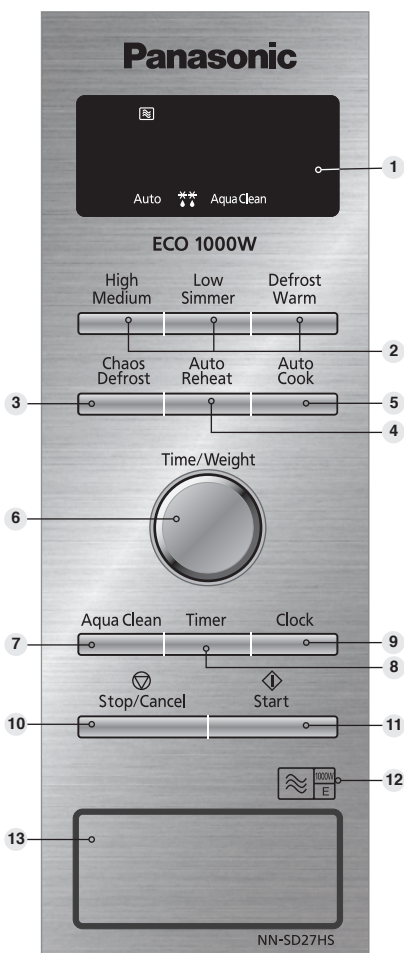
When a microwave oven is switched off, the food will continue to cook by conduction – **Not by microwave energy, hence standing time** is very important in microwaving, particularly for dense foods i.e. meat, cakes and reheated meals (refer to page 19).



## Boiled eggs

Do not boil eggs in your microwave. Raw eggs boiled in their shells can explode and cause serious injury.

# Control Panel NN-SD27HS



- 1 Display window
- 2 Microwave power levels button (page 24)
- 3 Chaos Defrost button (page 30-31)
- 4 Auto Reheat button (page 32-33)
- 5 Auto Cook button (page 32, 34)
- 6 Time/Weight dial
- 7 Aqua Clean button (page 28)
- 8 Timer button (page 27)
- 9 Clock button (page 23)
- 10 **Stop/Cancel button:**  
**Before cooking:**  
 One press clears your instructions  
**During cooking:**  
 One press temporarily stops the cooking program. Another press cancels all your instructions and the time of day will appear in the display.
- 11 **Start button**  
 Press to start operating the oven. If during cooking the door is opened or Stop/Cancel is pressed once, Start has to be pressed again to continue cooking.
- 12 **Microwave heating category**
- 13 **Door release**

This oven is equipped with an energy saving function.



## Note

When in stand-by mode the brightness of the display will be reduced. The oven will enter stand by mode, when first plugged in and immediately after the last operation has completed.

If an operation is set and Start button is not pressed, after 6 minutes the oven will automatically cancel the operation. The display will revert back to clock mode.



## Beep sound

When a button is pressed correctly a beep will be heard. If a button is pressed and no beep is heard, the unit has not or cannot accept the instruction. At the end of any complete program, the oven will beep 5 times.

## General Guidelines

### Standing time

Dense foods e.g. meat, jacket potatoes and cakes, require a standing time (inside or outside of the oven) after cooking, to allow heat to finish conducting to cook the centre completely.

### Jacket Potato

Stand 5 minutes wrapped in aluminium foil after cooking by microwave only.

### Fish

Stand 2-3 minutes.

### Egg Dishes

Stand 1-2 minutes.

### Precooked Convenience Food

Stand for 1-2 minutes.

### Plated Meals

Stand for 2-3 minutes

### Vegetables

Boiled potatoes benefit from standing 1-2 minutes, however most other types of vegetables can be served immediately.

If food is not cooked after standing time, return to oven and cook for additional time.

### Defrosting

It is essential to allow standing time to complete the process. This can vary from 5 minutes e.g. raspberries, to up to 1 hour for a joint of meat. See pages 25-26.



### Moisture content

Many fresh foods e.g. vegetables and fruit, vary in their moisture content throughout the season, particularly jacket potatoes. For this reason cooking times may have to be adjusted. Dry ingredients e.g. rice, pasta, can dry out during storage so cooking times may differ.



### Cling film

Cling film helps keep the food moist and the trapped steam assists in speeding up cooking times. Pierce before cooking to allow excess steam to escape. Always take care when removing cling film from a dish as the build-up of steam will be very hot.



### Piercing

The skin or membrane on some foods will cause steam to build up during cooking. These foods must be pierced or a strip of skin should be peeled off before cooking to allow the steam to escape. Eggs, potatoes, apples, sausages etc, will all need to be pierced before cooking. **Do not attempt to boil eggs in their shells.**

## General Guidelines



### Dish size

Follow the dish sizes given in the recipes, as these affect the cooking and reheating times. A quantity of food spread in a bigger dish cooks and reheats more quickly.



### Quantity

Small quantities cook faster than large quantities, also small meals will reheat more quickly than large portions.



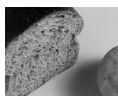
### Spacing

Foods cook more quickly and evenly if spaced apart. **Never** pile foods on top of each other.



### Shape

Even shapes cook evenly. Food cooks better by microwave when in a round container rather than square.



### Density

Porous airy foods heat more quickly than dense heavy foods.



### Covering

Cover foods with microwave cling film or a self-fitting lid. Cover fish, vegetables, casseroles, soups. Do not cover cakes, sauces, jacket potatoes, pastry items.



### Arranging

Individual foods e.g. chicken portions or chops, should be placed on a dish so that the thicker parts are to the outside.



### Starting temperature

The colder the food, the longer it takes to heat up. Food from a fridge takes longer to reheat than food at room temperature. Food temperature should be between 5-8 °C before cooking.



### Turning and stirring

Some foods require stirring during cooking. Meat and poultry should be turned after half the cooking time.



### Liquids

All liquids must be stirred before, during and after heating. Water especially must be stirred before and during heating, to avoid eruption. Do not heat liquids that have previously been boiled. **Do not overheat.**



### Checking food

It is essential that food is checked during and after a recommended cooking time, even if an **auto program** has been used (just as you would check food cooked in a conventional oven). Return the food to the oven for further cooking if necessary.



### Cleaning

As microwaves work on food particles, keep your oven clean at all times. Wipe with a soft damp cloth, always wipe the oven dry after cleaning. Avoid any plastic parts, the roof of the oven and door area.

## Containers to Use

Choosing the correct container is a very important factor in deciding the success or failure of your cooking.

### Testing Dishes for Suitability

When unsure that a cooking container is suitable for use in your microwave, check by the following test:

1. Fill a microwave safe measuring jug with 300 ml (½ pt) cold water.
2. Place it on the turntable alongside the dish to be tested. If the dish you are testing is a large dish, then stand the measuring jug on top of the empty dish.
3. Heat on High power (1000 W) for 1 minute.

### Result

If the dish is suitable for microwaving, it will remain cool, whilst the water in the jug will begin to feel warm. If the testing dish feels warm, do not use as it is obviously absorbing microwave energy.



### Note

This test does not apply to plastic or metal based containers e.g. Le Creuset® style dishes, which should not be used as they are cast iron covered with enamel.

## Quick Check Guide to Cooking Utensils



### Oven Glass

Everyday glass that is heat resistant e.g. Pyrex®, is ideal for Microwave cooking.

Do not use delicate glass or lead crystal which may crack or arc.



### China and Ceramic

Everyday glazed china, porcelain or ceramic plates, bowls, mugs and cups can be used if they are heat resistant. Fine bone china should only be used for reheating for short periods. Do not use dishes with a metal rim or pattern. Do not use jugs or mugs with glued handles, since the glue can melt.



### Pottery, Earthenware, Stoneware

If completely glazed, these dishes are suitable. Do not use if partially glazed or unglazed, since they are able to absorb water which in turn absorbs microwave energy, making the container very hot and slows down the cooking of food.



### Foil/metal containers

**Never attempt to cook in foil or metal containers** on Microwave only as the microwaves cannot pass through and the food will not heat evenly, it may also damage your oven.

## Containers to Use

### Plastic

Many plastic containers are designed for microwave use, but do not use for cooking foods high in sugar or fat or for foods that require long cooking times e.g. brown rice. Only use Tupperware® containers if they are designed for microwave use. Do not use Melamine. Never cook in margarine cartons or yoghurt pots, as these will melt with the heat from the food.

### Paper

Plain white absorbent kitchen paper (kitchen towel) can only be used for microwave cooking e.g. covering blind pastry cases and for covering bacon to prevent splattering.

**Only use for short cooking times.**  
**Never re-use a piece of kitchen towel.**  
**Always use a fresh piece of paper for each dish.**

Avoid kitchen paper containing manmade fibres.

If you are using branded re-cycled paper towel, check first that it is recommended for microwave use. Do not use waxed or plastic coated cups or plates as the finish may melt.

Greaseproof paper can be used to line the base of dishes and to cover fatty foods e.g. bacon rashers, to stop splattering. White paper plates can be used for **short reheating times**, on microwave only.

### Wicker, Wood, Straw Baskets

Dishes will crack and could ignite. Do not use wooden dishes in your microwave.

### Cling film

Microwave cling film can only be used for covering food that is reheated by microwave. It is also useful for covering food to be cooked, but care should be taken to avoid the film being in direct contact with the food eg. Do not line dishes with cling film.

### Roasting Bags

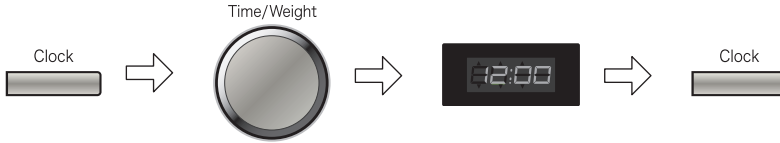
Roasting bags are useful when slit up one side to tent a joint, for roasting by power and time. Do not use the metal twists supplied, when using Microwave.

### Aluminium Foil

Small amounts of smooth aluminium foil can be used to **shield** joints of meat during defrosting and cooking by Microwave, as the microwaves cannot pass through the foil, this prevents the parts shielded from overcooking or overdefrosting. Take care that the foil does not touch the sides or roof of the oven, as this may cause arcing and damage your oven.

## Setting the Clock

When the oven is first plugged in "88:88" appears in display window.



**Press Clock once**  
A colon starts to blink.

**Turn Time/Weight dial**  
Enter the time by turning the Time/Weight dial. The time appears in the display.

**Press Clock**  
The colon stops blinking. Time of day is now locked into the display.



### Notes

1. To reset time of day, repeat step 1 through to step 3, as above.
2. The clock will keep the time of day as long as the oven is plugged in and electricity is supplied.
3. This is a 24 hour clock, ie 2 pm = 14:00 not 2:00.

## Child Lock

Using this system will make the oven controls inoperable; however, the door can be opened. Child Lock can be set when the display shows a colon or the time.

**To Set:**



Start



**Press Start three times**  
The time of day will disappear. Actual time will not be lost. 'Child' is indicated in the display.

**To Cancel:**



Stop/Cancel



**Press Stop/Cancel three times**  
The time of day will reappear in the display.



### Note

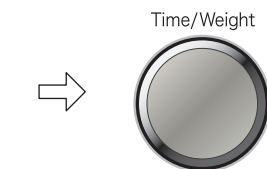
1. To activate child lock, Start must be pressed 3 times within a 10 second period.

## Microwave Cooking and Defrosting

The glass turntable must always be in position when using the oven.

	Press	Level	Wattage
High Medium	Once	High	1000 W
	Twice	Medium	600 W
Low Simmer	Once	Low	440 W
	Twice	Simmer	300 W
Defrost Warm	Once	Defrost	270 W
	Twice	Warm	100 W

Press the desired microwave power button once or twice depending on required power level.



Set the cooking time using the Time/ Weight dial. Your oven can be programmed for up to 90 minutes in Medium, Low, Simmer, Warm and Defrost power. High power can be programmed for 30 minutes.



**Press Start**  
The cooking program will start and the time in the display will count down.



### Note

1. For manual defrosting times please refer to defrost chart on page 26.
2. For multi-stage cooking refer to page 29.
3. Stand time can be programmed after microwave power and time setting. Refer to using the Timer page 27.
4. You can change the cooking time during cooking if required. Turn Time/Weight dial to increase or decrease the cooking time. Time can be increased/decreased in 1 minute increments, up to 10 minutes. Turning the dial to zero will end cooking.
5. Do not use metal containers on microwave mode.



## Defrosting Guidelines

For Best Results:

1. Place foods in a suitable container. Meat joints and chickens should be placed on an upturned saucer or on a plastic rack if you have one.
2. Check food during defrosting, as foods vary in their defrosting speed.
3. It is not necessary to cover the food.
4. Always turn or stir the food especially when the oven “beeps”. Shield if necessary (see point 6).
5. Minced meat, chops and other small items should be broken up or separated as soon as possible and placed in a single layer.
6. Shielding prevents food cooking. It is essential when defrosting chickens and joints of meat. The outside thaws out first, so protect wings/breast and fat with smooth pieces of aluminium foil secured with cocktail sticks.
7. Allow standing time so that the centre of the food thaws out (minimum of 1 hour for joints of meat and whole chickens).



Arrange food in a single layer.



Turn or break up food as soon as possible.



Shield chickens and joints of meat.

## Defrosting Chart

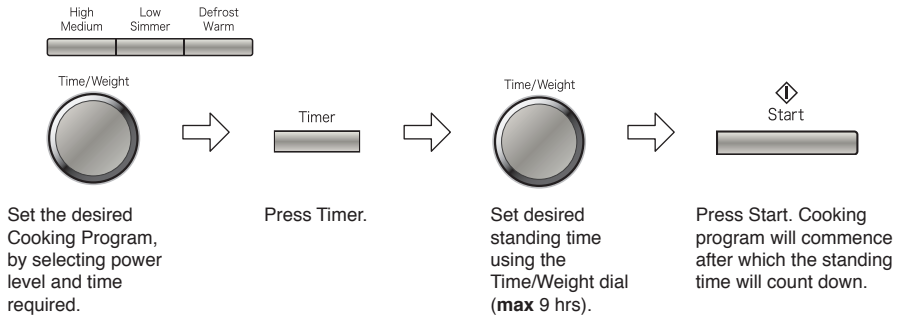
The times given below are a guideline only. Always check the progress of the food by opening the oven door and then re-starting. For larger quantities adjust times accordingly. Food should not be covered during defrosting.

Food	Defrosting Time per 450 g (1 lb)	Method	Standing Time
<b>Meat</b>			
Beef/Lamb/Pork Joint 450 g (1 lb)	10 - 15 mins	Place in a suitable dish or on an upturned saucer or use a rack. Turn 3-4 times. Shield.	60 mins
Minced Beef 450 g (1 lb)	10 - 15 mins	Place in a suitable dish. Break up and turn 3-4 times.	30 mins
Chops 450 g (1 lb)	10 - 15 mins	Place in a suitable dish in a single layer. Turn twice. Shield if necessary.	15 mins
Sausages 450 g (1 lb)	10 - 12 mins	Place in a suitable dish in a single layer. Turn twice. Shield if necessary.	15 mins
Bacon rashers 450 g (1 lb)	8 - 10 mins	Place in a suitable dish. Turn and separate twice. Shield if necessary	10 mins
Stewing Steak 450 g (1 lb)	10 - 15 mins	Place in a suitable dish. Break up frequently.	15 mins
Whole Chicken 450 g (1 lb)	8 - 10 mins	Place in a suitable dish on an upturned saucer or use a rack. Turn 3-4 times. Shield.	60 mins
Chicken Portions 450 g (1 lb)	10 - 15 mins	Place in a suitable dish in a single layer. Turn twice. Shield if necessary.	15-30 mins
<b>Fish</b>			
Whole 450 g (1 lb)	15 - 20 mins	Place in a suitable dish. Turn twice. Shield.	15 mins
Fillets/Steak 450 g (1 lb)	10 - 12 mins	Place in a suitable dish. Turn twice, separate and shield if necessary.	15 mins
Prawns 450g (1 lb)	10 - 12 mins	Place in a suitable dish. Stir twice during defrosting.	10-15 mins
<b>General</b>			
Bread Sliced 400 g (14 oz)	4 - 5 mins	Place on a plate. Separate and rearrange during defrosting.	10 mins
Slice of bread 30 g (1 oz)	30 secs - 1 min	Place on the turntable on a plate.	1-2 mins
Pastry 450 g (1 lb)	4 - 5 mins	Place on a plate. Turn over halfway through defrosting.	10-15 mins
Soft Fruit 450 g (1 lb)	12 - 14 mins	Place in a suitable dish. Stir twice during defrosting.	10 mins

## Using the Timer

The Timer can be used either before, during or after a cooking program. This feature can be used to set a standing time after cooking or to delay the start of your cooking.

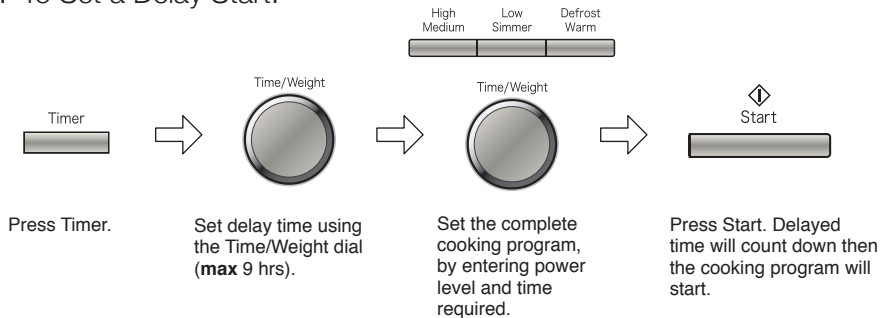
### 1. To Set a Standing Time:



#### Note

1. Three stage cooking can be programmed including standing time.
2. If the oven door is opened during the standing time or minute timer, the time in the display window will continue to count down.
3. This feature may also be used as a minute timer. In this case press the Timer, set time and press Start.
4. Standing time cannot be programmed after an auto program.
5. If the programmed stand time exceeds one hour, the time will count down in units of minutes. If less than one hour, the time will count down in units of seconds.

### 2. To Set a Delay Start:



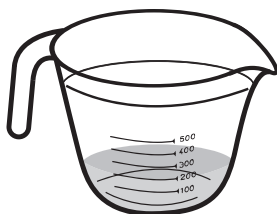
#### Note

1. Three stage cooking can be programmed including delay start cooking.
2. If the programmed delay time exceeds one hour, the time will count down in units of minutes. If less than one hour, the time will count down in units of seconds.
3. Delay start cannot be programmed before an auto program.
4. If the oven door is opened during the delay time, the time in the display window will continue to count down.

## Using the Aqua Clean Program

**This Program is to clean the cavity and remove any food odour from the microwave oven.**

Place 200 ml tap water with 1 tbsp lemon juice in a microwaveable container (e.g. Pyrex® jug or bowl). Use a jug or bowl of at least 500 ml volume.



Or



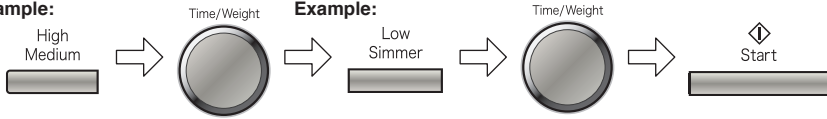
### Note

1. Do not remove the glass turntable and roller ring during this Program.
2. To clean the glass turntable and roller ring, refer to page 11.
3. Repeat the above procedure as required.

# Multistage Cooking

## 2 or 3 stage cooking

### Example:



**Press a Microwave Power Levels button.** To select desired power level.

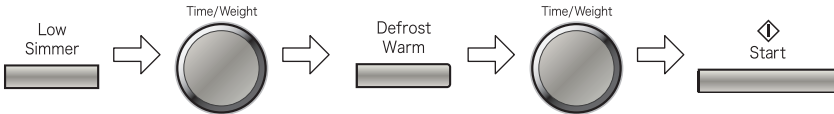
**Set the cooking time using the Time/Weight dial.**

**Press a microwave power button.** To select desired power level.

**Set the cooking time using the Time/Weight dial.**

**Press Start**  
The cooking program will start and the time in the display will count down.

**Example: To cook on Simmer (300 W) for 2 minutes and Defrost (270 W) for 3 minutes.**



**Press Low Simmer twice to select Simmer (300 W).**

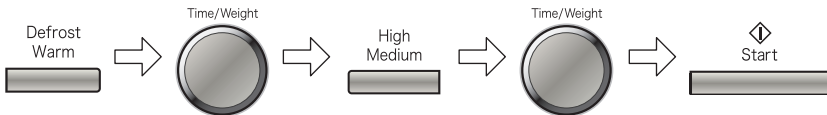
**Set the cooking time to 2 minutes using the Time/Weight dial.**

**Press Defrost Warm once to select Defrost (270 W).**

**Set the cooking time to 3 minutes using the Time/Weight dial.**

**Press Start**

**Example: To cook on Warm (100 W) for 4 minutes and Medium (600 W) for 5 minutes.**



**Press the Defrost Warm twice to select Warm (100 W).**

**Set the cooking time to 4 minutes using the Time/Weight dial.**

**Press High Medium twice to select Medium (600 W).**

**Set the cooking time to 5 minutes using the Time/Weight dial.**

**Press Start**



### Notes

1. For 3 stage cooking, enter another cooking program before pressing Start.
2. During operation, one press on Stop/Cancel stops the operation. You can re-start it by pressing Start. A second press of Stop/Cancel will cancel the selected program.
3. Whilst not operating, one press of Stop/Cancel cancels the selected program.
4. Auto programs cannot be used with multi-stage cooking.

## Chaos Defrost

This feature allows you to defrost minced meat, chops, chicken portions, meat joints and bread. Press Chaos defrost to select the correct defrost category and then enter in the weight of the food in grams (see page 31).

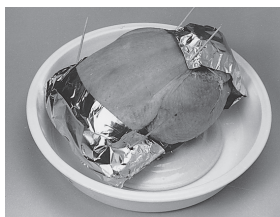
Foods should be placed in a suitable dish, whole chickens and joints of meat should be on an upturned saucer or on a microwave safe plate. Chops, chicken portions and slices of bread should be placed in a single layer. It is not necessary to cover the foods.

The **chaos theory** principle is used in auto weight defrost programs to give you a quick and more even defrost. The chaos system uses a random sequence of pulsing microwave energy which speeds up the defrosting process. During the program the oven will beep to remind you to check the food. **It is essential that you turn and stir the food frequently and shield if necessary. On hearing the first beep you should turn and shield (if possible).** On the second beep you should turn the food or break it up.

1st Beep  
Turn or Shield



1st Beep  
Turn or Shield



2nd Beep  
Turn or break up



### Note

1. Check foods during defrosting. Foods vary in their defrosting speed.
2. It is not necessary to cover the food.
3. Always turn or stir the food especially when the oven "beeps". Shield if necessary (see point 5).
4. Minced meat/chops/chicken portions should be broken up or separated as soon as possible and placed in a single layer.
5. Shielding prevents food cooking. It is essential when defrosting chickens and joints of meat. The outside thaws out first, so protect wings/breast/fat with smooth pieces of aluminium foil secured with cocktail sticks.
6. Allow standing time so that the centre of the food thaws out (minimum 1-2 hours for joints of meat and whole chickens).

## Chaos Defrost

With this feature you can defrost frozen foods according to the weight. Select the category and set the weight of the food.



**Select desired program. Press Chaos Defrost** once to select Bread, twice to select Meat Items and three times to select Meat Joints. The auto program number and indicators for the microwave, Auto Cook and Chaos Defrost appear in the display.

**Select the weight of the food by turning the Time/Weight dial.** Turning the dial slowly will count up in 10 g steps. Turning the dial quickly will speed this process up.

**Press Start**  
Remember to stir or turn the food during defrosting.

Program	Weight Range	Suitable Foods
1 Bread	100 g - 800 g	Rolls, buns, slices of bread and loaves.
2 Meat Items	150 g - 1000 g	Chicken portions, chops, mince.
3 Meat Joints	400 g - 2000 g	Whole chicken, meat joints.

### 1. Bread

This program is suitable for small items which are required for immediate use, they may feel warm straight after defrosting. Loaves can also be defrosted on this program but these will require standing time to allow the centre to thaw out. Standing time can be shortened if slices are separated and buns and loaves cut in half. Items should be turned at beeps. **This program is not suitable for cream cakes or desserts** e.g. cheesecake. Standing time 10-15 minutes.

### 2. Meat Items (mince/chops/chicken portions)

Chops and chicken portions should be arranged in a single layer and turned at beeps. It is necessary for mince to be broken up at beeps and this is best carried out in a large shallow dish. Standing time 15-30 minutes. **Not suitable for sausages**, these can be defrosted manually. Please refer to Defrosting Chart on page 26.

### 3. Meat Joints / Whole Chickens

Whole chickens and meat joints will require shielding at beeps especially if it is a particularly fatty piece. This is to prevent food starting to cook on the outside edges. Protect wings, breast and fat with smooth pieces of aluminium foil secured with cocktail sticks. **Do not allow the foil to touch the walls of the oven.** Standing time of at least 1 hour should be allowed for joints after defrosting.



## Notes

1. The shape and size of the food will determine the maximum weight the oven can accommodate.
2. Allow standing time to ensure the food is completely defrosted.

## Auto Reheat / Cook Programs



This feature allows you to cook foods by setting the weight. The oven determines the microwave power level and then gives a cooking time; this cooking time has been developed following extensive testing by our Home Economists in our development kitchen.

Select the category of food and enter the weight.

Example:



Select desired program by pressing the button once, twice, three or four times. The program number and indicators for the microwave and Auto Cook will appear in the display.

Set the weight of the food by using the Time/Weight dial. Turning the dial slowly will count up in 10 g steps. Turning the dial quickly will speed this process up.

Press Start






### Notes

The Auto Programs must **only** be used for foods described.

1. Only cook foods within the weight ranges described.
2. Always weigh the food rather than relying on the package information.
3. Most foods benefit from a **standing** time, after cooking on an auto program, to allow heat to continue conducting to the centre
4. To allow for some variations that occur in food, check that food is thoroughly cooked and piping hot before serving.



## Auto Reheat Programs

Program	Weight	Instructions
<b>4. Chilled soup</b> Auto Reheat  1 Press	150 g - 600 g	To reheat chilled soup. Place soup into a microwaveable bowl or container. Cover with lid or pierced cling film. Select program (1 press of Auto Reheat button), enter weight using the Time/Weight dial, then press Start. Stir at beeps. Allow to stand for 2 minutes. Ensure that the soup is piping hot. Stir the soup before serving.
<b>5. Chilled meal</b> Auto Reheat  2 Presses	200 g - 800 g	To reheat a chilled convenience meal that can be stirred. Foods must be in a suitable shallow microwaveable container and have the film pierced. Select program (2 presses of Auto Reheat button), enter weight using the Time/Weight dial, then press Start. Stir at beeps. After cooking allow to stand for 2 minutes in the oven. Ensure that the food is piping hot. Stir before serving.
<b>6. Frozen meal</b> Auto Reheat  3 Presses	200 g - 500 g	To reheat a frozen convenience meal that can be stirred. Foods must be in a suitable shallow microwaveable container and have the film pierced. Select program (3 presses of the Auto Reheat button), enter weight using the Time/Weight dial, then press Start. Stir at beeps. After cooking allow to stand for 2 minutes in the oven. Ensure that the food is piping hot. Stir before serving.







### Notes

For Auto Reheat programs.

1. The temperature for frozen food is assumed to be -18 °C to -20 °C. The temperature of chilled food is assumed to be +5 °C to +8 °C (refrigerator temperature).
2. Large pieces of fish/meat in a thin sauce, may require longer cooking.
3. These programs are not suitable for foods that cannot be stirred.
4. Meals in bowl shaped containers may need extra cooking time.

## Auto Cook Programs

Program	Weight	Instructions
<p><b>7. Fresh vegetables</b></p> <p>Auto Cook</p>  <p>1 Press</p>	200 g - 800 g	To cook fresh vegetables. Place prepared vegetables into a shallow container on turntable. Add 15 ml (1 tbsp) water per 100 g vegetables. Cover with pierced cling film or lid. Select program (1 press of Auto Cook button), enter weight using the Time/Weight dial, then press Start. Stir at beeps.
<p><b>8. Fresh fish</b></p> <p>Auto Cook</p>  <p>2 Presses</p>	200 g - 800 g	To cook fresh fish. Shield the thinner portions. Place in a shallow container on turntable. Add 15-45 ml (1-3 tbsp) liquid. Cover with pierced cling film or lid. Select program (2 presses of Auto Cook button), enter weight using the Time/Weight dial, then press Start. Stand for 1 to 2 minutes before serving.
<p><b>9. Jacket potatoes</b></p> <p>Auto Cook</p>  <p>3 Presses</p>	200 g - 1400 g	To cook jacket potatoes choose medium sized potatoes 200-250 g (7-9 oz). Wash and dry and prick with a fork several times. Arrange around edge of turntable. Select program (3 presses of Auto Cook button), enter weight using the Time/Weight dial, then press Start. Wrap in aluminium foil and allow to stand for 5 minutes after cooking.
<p><b>10. Rice</b></p> <p>Auto Cook</p>  <p>4 Presses</p>	100 g - 300 g	For cooking rice for savoury dishes, not rice puddings. Rinse the rice thoroughly before cooking. Use a large bowl. Add 2 times boiling water to rice. Add salt if desired. Cover with a lid or pierced cling film. Select program (4 presses of Auto Cook button), enter weight and press Start. Stir at the beeps. Allow to stand for 5 minutes after cooking.

## Cooking and Reheating Guidelines

Most foods reheat very quickly in your oven by High power (1000 W). Meals can be brought back to serving temperature in just minutes and will taste freshly cooked. Always check food is piping hot and return to oven if necessary.

As a general rule, always cover wet foods, e.g. soups, casseroles and plated meals.

Do not cover dry foods e.g. bread rolls, mince pies, sausage rolls etc.

The charts on pages 36-42 show you the best way to cook or reheat your favourite foods. The best method depends on the type of food you are cooking or reheating.

Remember to stir or turn food wherever possible during cooking or reheating. This ensures even cooking or reheating on the outside and in the centre.

### When is Food Reheated?

Food that has been reheated or cooked should be served "piping hot" i.e. steam should be visibly emitted from all parts. As long as good hygiene practices have been followed during the preparation and storage of the food, then cooking or reheating presents no safety risks.

Foods that cannot be stirred should be cut with a knife to test that they are adequately heated throughout. Even if a manufacturer's Instructions or the times in the cookbook have been followed, it is still important to check the food is heated thoroughly. If in doubt, always return to the oven for further reheating. If you cannot find the equivalent food in the chart then choose a similar type and size listed and adjust the cooking time if necessary.

### Plated Meals

Everyone's appetite varies and reheat times depend on meal contents. Dense items e.g. mashed potato, should be spread out well. If a lot of gravy is added, extra time may be required. Place denser items to the outside of the plate.

An average plated meal will take 4-7 minutes on High power (1000 W) to reheat. Do not stack meals.

### Canned Foods

Remove foods from can and place in a suitable dish before heating.

### Soups

Place soup in a bowl. Stir before heating and at least once during reheat time and again at the end.

### Casseroles

Stir halfway through and again at the end of heating.



Caution!

### Mince Pies

**Remember** even if the pastry is cold to the touch, the filling will be piping hot and will warm the pastry through. Take care not to overheat otherwise burning can occur due to the high fat and sugar content of the filling. Check the temperature of the filling before consuming to avoid burning your mouth.

### Christmas Puddings and Liquids

Take great care when reheating these items.

**Do not leave unattended.**

**Do not add extra alcohol.**

### Babies Bottles

Milk or formula **must** be shaken thoroughly before heating and again at the end and tested carefully before feeding a baby. For 7-8 fl. oz. of milk from fridge temperature, remove top and teat.

Heat on **High** power (1000 W) for 30-50 seconds. **Check carefully.**

For 3 fl. oz. of milk from fridge temperature, remove top and teat. Heat on **High** power (1000 W) for 15-20 seconds. **Check carefully.**

Liquid at the top of bottle will be much hotter than at the bottom. The bottle must be shaken thoroughly and tested before use.

**We do not recommend that you use your microwave to sterilise babies' bottles**

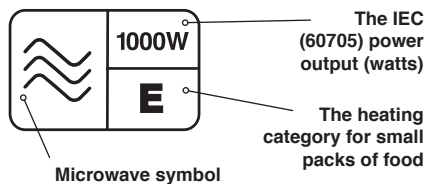
If you have a special microwave steriliser we urge extreme caution, due to the low quantity of water involved. It is vital to follow the manufacturers instructions implicitly.

## Reheating Charts

The times given in the charts below are a guideline only, and will vary depending on starting temperature, dish size etc.

### Heating Category

Your oven is Heating Category E and this is displayed on the front of your oven door. The information on this label will assist you in using new instructions on food packs to enable you to program the best heating time in your oven.



Food	Weight/ Quantity	Power Level	Time to Select (approx)	Instructions/Guidelines
<b>Bread – Precooked – Fresh – N.B. Breads reheated by Microwave will have a soft base.</b>				
Croissants	2	High	10 - 20 secs	Place on microwave safe plate on turntable. Do not cover.
	4	High	20 - 30 secs	
Rolls	1	High	10 secs	
	4	High	20 secs	
<b>Canned Beans, Pasta</b>				
Baked beans, ravioli in sauce	225 g	High	2 - 2 mins 30 secs	Place in a microwave safe bowl. Cover and place on turntable. Stir halfway.
	447 g	High	4 - 5 mins	
Spaghetti in tomato sauce	200 g	High	1 min 30 secs	
<b>Canned Soups</b>				
Cream of tomato	425 g	High	2 - 2 mins 30 secs	Place in a microwave safe bowl. Cover and place on turntable. Stir halfway.
Minestrone	300 g	High	2-2 mins 30 secs	
<b>Canned Puddings</b>				
Creamed rice	425 g	High	2 - 2 mins 30 secs	Place in a microwave safe bowl. Cover and place on turntable. Stir halfway.
	624 g	High	4 - 5 mins	
Sponge pudding	300 g	High	1 min 30 secs - 2 mins	
<b>Christmas Puddings - Overheating may cause pudding to ignite</b>				
Slice	150 g	High	30 - 40 secs	Place in a microwave safe bowl. Cover and place on turntable.
Small	450 g	High	2 - 2 mins 30 secs	
Medium	900 g	High	3 mins 30 secs - 4 mins	

High: 1000 W Medium: 600 W Low: 440 W Simmer: 300 W Defrost: 270 W Warm: 100 W



### Note

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## Reheating Charts

Food	Weight/ Quantity	Power Level	Time to Select (approx)	Instructions/Guidelines
<b>Drinks - Coffee</b>				
1 mug	235 ml	High	1 - 1 min 30 secs	Place in a microwave safe mug on turntable. Stir, before, during and after reheating.
2 mugs	470 ml	High	3 - 3 mins 30 secs	
<b>Drinks - Milk</b>				
1 mug	235 ml	High	1 min 30 secs - 2 mins	Place in a microwave safe mug on turntable. Stir, before, during and after reheating.
1 jug	600 ml	High	3 - 4 mins	
<b>Pastry Products - Precooked - N.B. Pastries reheated by microwave will have a soft base.</b>				
Chicken pie	480 g	High	4 - 5 mins	Place on microwave safe plate on turntable. Do not cover.
Cornish pasty	255 g (1)	High	1 min 30 secs - 2 mins	
Quiche	400 g (1)	High	3 mins 30 secs - 4 mins 30 secs	
Steak & kidney pie	325 g (1)	High	2 - 2 mins 30 secs	
Sausage rolls	260 g (4)	High	1 min 30 secs - 2 mins	
Samosas	200 g (4)	High	1 min 30 secs - 2 mins	Place on microwave safe plate on turntable. Do not cover. Turn halfway.
Spring roll	230 g (4)	High	2 - 2 mins 30 secs	
Christmas mince pies	90 g (2)	High	10 - 20 secs	
<b>Plated Meals - Homemade - Chilled</b>				
Child size	1	High	3 - 4 mins	Place on a microwave safe plate on turntable. Cover.
Adult size	1	High	4 - 6 mins	
<b>Puddings &amp; Desserts - N.B. Transfer food from foil containers to a similar sized microwave safe dish</b>				
Bread & butter pudding	340 g	High	4 mins	Place in a microwave safe dish on turntable. Do not cover.
Fruit crumble	400 g	High	4 - 4 mins 30 secs	
Fruit Pie, individual	1	High	10 - 20 secs	
	4	High	40 - 50 secs	

High: 1000 W Medium: 600 W Low: 440 W Simmer: 300 W Defrost: 270 W Warm: 100 W



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## Reheating Charts

Food	Weight/ Quantity	Power Level	Time to Select (approx)	Instructions/Guidelines
<b>Purchased Convenience Foods - Chilled</b>				
<b>N.B.</b> Transfer food from foil container to a similar sized microwave safe dish. Plastic dishes designed for microwave and conventional ovens may be used with care.				
Cauliflower cheese	450 g	High	5 mins 30 secs - 6 mins 30 secs	Place in microwave safe dish on turntable. Do not cover.
Cottage pie	450 g	High	6 mins 30 secs - 7 mins	
Lasagne	300 g	High	5 mins	
Vegetable bake	400 g	High	6-7 mins	
<b>Purchased Convenience Foods - Frozen</b>				
<b>N.B.</b> Transfer food from foil container to a similar sized microwave safe dish. Plastic dishes designed for microwave and conventional ovens may be used with care.				
Lasagne	400 g	High	6 mins + rest for 1 min	Place in a microwave safe dish on turntable. Do not cover.
		then High	6 - 6 mins 30 secs	
Salmon crumble	340 g	High	6 mins + rest for 1 min	
		then Med	5 - 6 mins	
Shepherd's pie	350 g	High	6 mins + rest for 1 min	
		then Med	7 - 8 mins	

High: 1000 W Medium: 600 W Low: 440 W Simmer: 300 W Defrost: 270 W Warm: 100 W



### Note

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## Cooking Charts

Food	Weight/ Quantity	Power Level	Time to Select (approx)	Instructions/Guidelines	
<b>Bacon-from raw</b>					
Rashers	130 g (4)	High	2 - 3 mins or 40 - 50 secs per rasher	Place on a microwave safe rack or plate on turntable. Cover with a piece of kitchen roll.	
<b>Beans &amp; Pulses – Should be pre-soaked (except lentils)</b>					
Chickpeas	225 g	High	12 mins	Use 750 ml (1¼pt) boiling water in a large bowl. Cover and place on turntable.	
		then Low	40 - 45 mins		
Lentils	225 g	Low	15 - 20 mins		
Red kidney beans	225 g	High	17 mins		Use 600 ml (1 pt) boiling water in a large bowl. Cover. <b>Must boil for at least 12 minutes to destroy toxic enzymes.</b>
		then Low	40 - 45 mins		
<b>Chicken from raw – Caution: Hot fat! Remove dish with care</b>					
Breasts, boneless	500 g (4)	Low	14 - 16 mins	Place on microwave safe rack or plate on turntable. Cover.	
Drumsticks	450 g (4)	Low	10 - 12 mins		
Quarters	700 g (2)	Low	18 - 20 mins		
<b>Eggs – Poached</b>					
Water	45 ml	High	1 min	<ol style="list-style-type: none"> <li>Place in a small bowl and heat for 1st cooking time.</li> <li>Add egg (medium sized).</li> <li>Pierce yolk and white. Cover.</li> <li>Cook for 2nd cooking time.</li> <li>Then leave to stand for 1 minute.</li> </ol>	
Egg	1	then Medium	40 - 50 secs		
Water	90 ml	High	1 min		
Eggs	2	then Medium	1 min		

High: 1000 W Medium: 600 W Low: 440 W Simmer: 300 W Defrost: 270 W Warm: 100 W



### Note

Always check that food is piping hot after reheating in the microwave. If unsure return to oven. Foods will still require a **stand time**, especially if they cannot be stirred. The denser the food the longer the stand time.

## Cooking Charts

Food	Weight/ Quantity	Power Level	Time to Select (approx)	Instructions/Guidelines
<b>Eggs – Scrambled</b>				
1 Egg		High	30 secs	<ol style="list-style-type: none"> <li>Add 1 tbsp of milk for each egg used.</li> <li>Beat eggs, milk and knob of butter together.</li> <li>Cook for 1st cooking time then stir.</li> <li>Cook for 2nd cooking time then stand for 1 minute.</li> </ol>
		then High	20 secs	
2 Eggs		High	1 min	
		then High	40 secs	
<b>Fish - Frozen from raw</b>				
Haddock fillets	380 g (4)	High	5 mins	Place in microwave safe dish. Add 30 ml of liquid. Cover and place on turntable.
		then Medium	6 mins	
Whole	450 g	High	10 - 12 mins	
Boil in the bag	170 g (1)	Defrost	5 mins	Place bag sauce side down on a microwave safe plate. Slash top of bag with a knife
		then Rest	2 mins	
		then Low	4 mins	
<b>Fruit – Peel, slice, chop into even sized pieces. Place in shallow microwave safe dish.</b>				
Apples, rhubarb, stewed	450 g	High	6 - 7 mins	Only half fill dish. Cover and place on turntable.
Plums – stewed	450 g	High	9 - 10 mins	Add 30 ml (2 tbsp) of water. Only half fill dish. Cover and place on turntable.
<b>Lamb – from raw – Caution: Hot Fat! Remove dish with care.</b>				
Chops, loin	600 g (4)	High	1 min 30 secs - 2 min 30 secs per 450 g (1 lb)	Place on microwaveable safe dish or rack on turntable. Cover.
		then Low	2 mins 30 secs - 3 mins 30 secs per 450 g (1 lb)	
<b>Pasta – Place in a large 3 litre (6 pint) microwave safe bowl.</b>				
Macaroni	225 g	High	10 - 12 mins	Use 1 litre (1¾ pint) boiling water in a large 2 litres (4 pints) bowl. Cover and place on turntable.
Spaghetti, tagliatelli	225 g	High	8 - 10 mins	

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## Cooking Charts

Food	Weight/ Quantity	Power Level	Time to Select (approx)	Instructions/Guidelines
<b>Pizza – Fresh chilled – N.B. Remove all packaging. Pizzas will have a soft base.</b>				
Thin & crispy	400 g	High	4 - 4 mins 30 secs	Place on heatproof plate on turntable. Do not cover.
Deep pan	475 g	High	4 - 5 mins	Place on heatproof plate on turntable. Do not cover.
<b>Pork – from raw – Caution: Hot Fat! Remove dish with care</b>				
Chops	360 g (2)	High	2 - 3 mins	Place in microwave safe dish or rack on turntable. Cover.
		then Low	4 - 5 mins	
<b>Porridge – N.B. Use a large bowl.</b>				
1 serving	½ cup oats	High	3 - 3 mins 30 secs	Add 1 cup of water or milk. Stir halfway.
2 servings	1 cup oats	High	5 - 6 mins 30 secs	Add 2 cups of water or milk. Stir halfway.
<b>Rice – Place in a large microwave safe bowl. 3 Litre (6 pint)</b>				
Basmati	250 g	Low	10 - 12 min	Use 600 ml (1 pt) to 800 ml (1½ pt) boiling water. Cover and place on turntable.
Easycook white	250 g	High	13 - 14 mins	
<b>Sausages from raw - Caution: Hot Fat! Remove dish with care.</b>				
Thick	240 g (4)	High	2 mins 30 secs - 3 mins	Place on microwave safe plate or microwave rack on turntable. Cover.
Thin	110 g (4)	High	1 min 30 secs - 2 mins	
<b>Fresh Vegetables – Place in shallow microwave safe dish.</b>				
Green beans	200 g	High	5 - 7 mins	Add 90 ml (6 tbsp) water. Cover and place on turntable.
Beetroot	450 g	High	12 - 14 mins	
Broccoli + cauliflower - florets	450 g	High	7 - 8 mins	
Brussel sprouts	450 g	High	8 - 10 mins	
Cabbage – sliced	450 g	High	6 - 8 mins	
Leeks	450 g	High	7 - 8 mins	
Carrots	450 g	High	8 - 9 mins	
Corn on the cob	450 g	High	9 - 11 mins	

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## Cooking Charts

Food	Weight/ Quantity	Power Level	Time to Select (approx)	Instructions/Guidelines
<b>Fresh Vegetables – Place in shallow microwave safe dish.</b>				
Courgettes, mange tout	450 g	High	5 - 6 mins	Add 90 ml (6 tbsp) water. Cover and place on turntable.
Peas	450 g	High	6 - 7 mins	
Potatoes – boiled	450 g	High	8 - 10 mins	
Potatoes – jacket (250 g / 9 oz each)	1	High	5 - 6 mins	Wash and prick skins. Place directly on turntable. After cooking stand for 5 minutes wrapped in foil.
	2	High	7 - 9 mins	
<b>Frozen Vegetables – Place in shallow microwave safe dish.</b>				
Beans – green, carrots	450 g	High	10 - 11 mins	Add 30 ml (2 tbsp) water. Cover and place on turntable.
Cauliflower	450 g	High	11 - 12 mins	
Peas	450 g	High	9 - 10 mins	

High: 1000 W Medium: 600 W Low: 440 W Simmer: 300 W Defrost: 270 W Warm: 100 W



### Note

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## Cream of Mushroom Soup

### ingredients

#### Serves 4

25 g (1 oz) butter  
1 small onion, chopped  
600 ml (1 pt) hot chicken stock  
225 g (8 oz) button mushrooms, sliced  
bouquet garni  
15 ml (1 tbsp) cornflour  
300 ml (½ pt) milk  
salt and pepper  
cream to garnish

**Dish:** large bowl

1. Place the butter and chopped onion in a large bowl. Cover and cook on High power (1000 W) for 3 minutes or until soft.
2. Add the stock, mushrooms and bouquet garni. Cover and cook on High power (1000 W) for 13-15 minutes, or until mushrooms are soft.
3. Remove the bouquet garni and blend until smooth.
4. Mix the cornflour with a little of the milk, then stir in remaining milk. Add to the mushroom mixture.
5. Cover and cook on High power (1000 W) for 5-6 minutes, or until thickened.
6. Season and serve with cream swirled on top.

## Macaroni Cheese with Courgettes and Bacon

### ingredients

#### Serves 4

100 g (4 oz) quick cook macaroni  
225 g (8 oz) courgettes, sliced  
100 g (4 oz) bacon, chopped  
50 g (2 oz) butter  
50 g (2 oz) plain flour  
600 ml (1 pt) milk  
5 ml (1 tsp) mustard  
100 g (4 oz) cheese, grated  
salt and pepper  
Topping  
30 ml (2 tbsps) Parmesan cheese  
30 ml (2 tbsps) wholemeal breadcrumbs

**Dish:** 20 cm (8") casserole

1. Cook macaroni in 450 ml (¾ pt) boiling water on High power (1000 W) for 6-8 minutes, or until soft. Drain. Place courgettes and bacon in a bowl.
2. Cover and cook on High power (1000 W) for 4-5 minutes, or until soft. Drain. Place the butter in a large jug.
3. Cook on High power (1000 W) for 40-50 seconds. Stir in the flour and cook for 30-40 seconds, on High power (1000 W).
4. Gradually add milk, stir well and cook on High power (1000 W) for 6-7 minutes, or until the sauce is thick and bubbling. Stir frequently.  
Add mustard and cheese. Mix in the macaroni, courgettes and bacon.
5. Season and pour into a casserole dish, sprinkle over the topping and cook on High power (1000 W) for 10 minutes or until the cheese has melted.

## Lentil Biryani

### ingredients

#### Serves 2

50 g (2 oz) green lentils  
10 ml (2 tsp) oil,  
1 small onion, sliced  
3 ml (½ tsp) grated root ginger  
1 garlic clove, crushed  
3 ml (½ tsp) turmeric  
3 ml (½ tsp) chilli powder  
5 ml (1 tsp) curry powder  
150 ml (¼ pt) natural yoghurt  
50 g (2 oz) mushrooms, sliced  
2 tomatoes, peeled and chopped  
150 ml (¼ pt) hot water  
25 g (1 oz) cashew nuts  
225 g (8 oz) cooked basmati rice

#### Garnish

hard boiled egg slices and coriander leaves

**Dish:** large casserole

1. Soak the lentils in cold water for 1 hour then drain.
2. Place the oil and onion in a large bowl. Cover and cook on High power (1000 W) for 3-4 minutes, or until softened.
3. Add the ginger, garlic, turmeric, chilli and curry powder. Cover and cook on High power (1000 W) for 2 minutes.
4. Add the yoghurt, mushrooms, tomatoes, water and lentils. Cover and cook on High power (1000 W) for 20-25 minutes, or until the lentils are tender and the liquid has evaporated.
5. Add the lentil mixture and cashew nuts to the cooked rice and mix thoroughly.
6. Reheat on High power (1000 W) if necessary to ensure food is piping hot. Garnish and serve.

## Lamb in a Spicy Cream and Almond Sauce

### ingredients

#### Serves 4

3-4 cloves garlic, crushed  
 1 cm (¼") piece fresh ginger, grated  
 50 g (2 oz) ground almonds  
 45 ml (3 tbsp) water  
 3 whole cardamon pods  
 2 cloves  
 2.5 cm (1") stick of cinnamon  
 1 onion chopped  
 30 ml (2 tbsp) oil  
 450 g (1 lb) boned lamb, trimmed and cut into cubes  
 5 ml (1 tsp) ground coriander  
 5 ml (1 tsp) ground cumin  
 1.5 ml (¼ tsp) garam masala  
 1.5 ml (¼ tsp) cayenne pepper  
 150 ml (¼ pt) single cream salt and pepper

**Dish:** Large casserole dish

1. Mix together the garlic, ginger, almonds and water to make a thick paste.
2. Place the cardamon pods, cloves, cinnamon, onion and oil in the casserole dish cook on High power (1000 W) for 2 minutes.
3. Add the lamb, cover and cook for 6-8 minutes, on High power (1000 W) or until light brown in colour. Stir halfway.
4. Stir in the rest of the spices, the almond mixture, cream, salt and pepper. Cover and cook on Low power (440 W) for about 30-35 minutes, or until the meat is tender.
5. Stir the casserole 2-3 times during the cooking time.
6. Remove the whole cardamon pods, cloves and cinnamon before serving with rice or other vegetables.

## Chicken Casserole

### ingredients

#### Serves 4

25 g (1 oz) butter  
 2 medium onions, sliced  
 2 sticks celery, trimmed and chopped  
 100 g (4 oz) mushrooms, sliced  
 4 chicken quarters (approx 2 lb), skinned  
 300 ml (½ pt) hot chicken stock  
 300 g (11 oz) can tomatoes salt and pepper  
 30 ml (2 tbsp) cornflour

**Dish:** 3 litre (6 pt) casserole

1. Place butter and vegetables in dish. Cover and cook on High power (1000 W) for 2-4 minutes, or until soft.
2. Place chicken on top of vegetables, cover with stock and tomatoes and add salt and pepper to taste.
3. Cover and cook on High power (1000 W) for 5 minutes then Low power (440 W) for 30-35 minutes, or until well cooked through. Mix cornflour with a little water.
4. Remove chicken from casserole, skim off excess fat and stir in cornflour paste. Cook on High power (1000 W) for 5 minutes. Serve chicken with sauce poured over.

**N.B.** If diced boneless breast is used in place of the quarters, reduce 2nd cooking time to 10-14 minutes on Low power (440 W) or until well cooked through. Stir halfway.

## Pork with Sweet & Sour Sauce

### ingredients

#### Serves 2

225 g (8 oz) pork fillet, cubed

#### Sweet & Sour Sauce:

15 ml (1 tbsp) oil  
 1 small carrot cut into matchsticks  
 1 spring onion, thinly sliced  
 small green pepper, cut into strips  
 225 g (8 oz) can pineapple chunks, drained (reserve juice)  
 10 ml (2 tsp) soft brown sugar  
 5 ml (1 tsp) cornflour  
 pinch garlic salt  
 5 ml (1 tsp) cider vinegar  
 10 ml (2 tsp) soy sauce  
 5 ml (1 tsp) tomato ketchup

**Dish:** small casserole

1. Place pork in dish, cover and cook on Low power (440 W) for 9-11 minutes, or until juices run clear.
2. Place oil, carrot, onion and green pepper in a bowl. Cover and cook on High power (1000 W) for 2-3 minutes, or until vegetables are tender.
3. Mix half the reserved juice with the remaining ingredients except pineapple. Cover and cook on High power (1000 W) for 2-3 minutes, or until clear and thickened. Stir halfway.
4. Add the sauce to the vegetables. Stir in the pineapple. Mix well.
5. Cook on High power (1000 W) for 1 minute or until heated through. Spoon over cooked pork.
6. Reheat for 1-2 minutes on High power (1000 W) or until piping hot.

## Savoury Mince

### ingredients

#### Serves 2

1 small onion, diced  
 1 clove garlic, crushed  
 5 ml (1 tsp) oil  
 200 g (7 oz) can chopped tomatoes  
 15 ml (1 tbsp) tomato puree  
 5 ml (1 tsp) mixed herbs  
 225 g (8 oz) minced beef  
 salt and pepper

**Dish:** 1.5 Litre (3 pt)  
 Casserole dish

1. Place onion, garlic and oil in casserole, cover and cook on High power (1000 W) for 2-3 minutes, or until soft.
2. Place all other ingredients in casserole. Stir well.
3. Cover and cook on High power (1000 W) for 5 minutes, then Low power (440 W) for 10-15 minutes, or until the meat is cooked.

## Chicken Satay

### ingredients

#### Serves 2

50 g (2 oz) creamed coconut  
 45 ml (3 tbsp) crunchy peanut butter  
 45 ml (3 tbsp) lemon juice  
 30 ml (2 tbsp) soy sauce  
 large pinch of chilli powder  
 2 chicken breast fillets (approx 300 g, 12 oz), skinned  
 15 ml (1 tbsp) vegetable oil  
 1 garlic clove, crushed  
 3 ml (½ tsp) ground turmeric  
 3 ml (½ tsp) five-spice powder  
 3 ml (½ tsp) coriander seeds  
 3 ml (½ tsp) cumin seeds

**Dish:** 4 wooden skewers + shallow dish

1. For the serving sauce: Crumble 25 g (1 oz) of creamed coconut into a large jug.
2. Add the peanut butter, 15 ml (1 tbsp) of the lemon juice, 15 ml (1 tbsp) of the soy sauce, the chilli powder and 150 ml (¼ pt) water.
3. Cook on High power (1000 W) for 6-8 minutes, or until the sauce boils and thickens, stirring frequently. Turn into a serving bowl.
4. Cut the chicken into small chunks and place in a bowl. Put the remaining creamed coconut, lemon juice and soy sauce into a blender or food processor.
5. Add the remaining ingredients and blend until smooth. Spoon over the chicken.
6. Cover and marinate in the fridge for 2-3 hours or overnight. Thread the chicken onto wooden skewers.
7. Place in a shallow dish, cover with any remaining marinade and cook covered on High power (1000 W) for 6-8 minutes, or until cooked, turn and baste frequently.
8. Serve hot with the sauce for dipping.

## Arranging

Thin fillets of fish i.e. plaice, should be rolled up prior to cooking to avoid overcooking on the thinner outside edge and tail.

Fish steaks should be arranged in a circle, thicker part to the outside. Cover with cling film or lid.

## Liquid

Fresh fish should always be sprinkled with 30 ml (2 tbsp) of water, lemon juice or white wine.

When cooking frozen fish, add liquid as above for even cooking.

Do not sprinkle salt onto fish before cooking as this may make the fish dry.

## Noise

During cooking, popping sounds may be heard. This is due to moisture trapped between the flesh, particularly with oily fish such as salmon and mackerel. This can be minimised when cooking the fish if the skin and flesh is pierced several times with a cocktail stick.

## Fish Curry

### Ingredients

#### Serves 2

25 g (1 oz) butter  
1 garlic clove, crushed  
1 small onion, finely chopped  
15 ml (1 tbsp) plain flour  
15 ml (1 tbsp) curry powder  
½ lemon grated rind and juice  
300 ml (½ pt) hot fish stock  
25 g (1 oz) sultanas  
10 ml (2 tsp) tomato puree  
30 ml (2 tbsp) sweet chutney  
450 g (1 lb) haddock, skinned and chopped  
salt and pepper  
75 g (3 oz) creamed coconut

**Dish:** casserole dish  
(1.5 litre (3 pt))

1. Melt the butter in the casserole dish on High power (1000 W) for 20-30 seconds or until melted.
2. Stir in the garlic and onion and cook covered on High power (1000 W) for 3 minutes. Stir in the flour, curry powder, lemon rind and juice and fish stock.
3. Cover and cook on High power (1000 W) for 3 minutes, stirring halfway through the cooking time.
4. Stir in the remaining ingredients except the coconut, cover and cook on High power (1000 W) for 4-5 minutes, or until fish flakes, stirring occasionally.
5. Break up the coconut with a fork, then stir into the curry.

## Family Fish Pie

### Ingredients

#### Serves 4

450 g (1 lb) smoked haddock  
30 ml (2 tbsp) lemon juice  
15 ml (1 tbsp) oil  
1 large onion, sliced  
40 g (1½ oz) butter  
40 g (1½ oz) flour  
3 ml (½ tsp) mustard  
600 ml (1 pt) milk  
salt and pepper  
100 g (4 oz) Red Leicester cheese  
600 g (1lb 5 oz) cooked jacket potatoes, sliced  
75 g (3 oz) wholemeal breadcrumbs

**Dish:** large casserole

1. Arrange fish in a shallow dish. Add lemon juice, cover and cook on High power (1000 W) for 3-4 minutes or until it flakes easily.
2. Place oil and onion in a bowl. Cover and cook on High power (1000 W) for 3 minutes or until the onion is soft.
3. Melt the butter on High power (1000 W) for 20-30 seconds. Stir in the flour and mustard and cook for a further 20 seconds.
4. Add milk and seasoning, gradually stirring to a smooth paste. Cook on High power (1000 W) for 9-10 minutes or until the sauce is thick and bubbling.
5. Stir twice during cooking. Add 75 g (3 oz) of grated cheese to the sauce and stir well. Flake the fish and arrange in the serving dish. Add onions and place the sliced potatoes on top.
6. Pour over the cheese sauce. Sprinkle with breadcrumbs and remaining cheese.
7. Cook on Low power (440 W) for 8-10 minutes or until the mixture has been completely reheated.

## Wild Mushroom and Basil Risotto

### ingredients

#### Serves 4

40 g (1½ oz) dried  
Cep mushrooms  
50 g (2 oz) butter  
1 clove garlic, finely chopped  
1 small onion, finely chopped  
freshly ground black pepper  
250 g (8 oz) Arborio rice  
300 ml (½ pt)  
hot vegetable stock  
12 basil leaves, torn  
50 g (2 oz) Parmesan cheese,  
grated

**Dish:** 3 litre (6 pt)  
casserole dish

1. Soak mushrooms in 300 ml (½ pt) warm water for 30 minutes.
2. Place the butter, garlic and onion in a large bowl, cover with cling film and cook on High power (1000 W) for 3-4 minutes, or until softened.
3. Season with freshly ground black pepper. Stir the rice into the butter mixture and add the hot stock and soaking liquid from the mushrooms.
4. Cover and cook for a further 5 minutes on High power (1000 W). Stir the mushrooms into the rice mixture.
5. Cover and cook for a further 5 minutes on High power (1000 W). Stir and add the basil.
6. Continue to cook for the final 5 minutes on High power (1000 W).
7. Stir Parmesan cheese into the risotto mixture.
8. Leave to stand for approx. 10 minutes and then stir with a fork.

## Vegetable Curry

### ingredients

#### Serves 2

15 ml (1 tbsp) oil  
1 garlic clove, chopped  
pinch cayenne pepper  
5 ml (1 tsp) ground coriander  
3 ml (½ tsp) ground cumin  
3 ml (½ tsp) turmeric  
2.5 cm (1") root ginger,  
peeled & sliced  
½ small cauliflower cut into  
florets  
1 medium aubergine, diced  
1 medium potato, diced  
50 g (2 oz) green beans, sliced  
½ fresh chilli, deseeded and  
sliced  
150 ml (¼ pt) vegetable stock  
200 g (7 oz) can chopped  
tomatoes  
50 g (2 oz) cashew nuts

**Dish:** 3 litre (6 pt) casserole

1. Combine oil, garlic and spices in the casserole, cover and cook on High power (1000 W) for 2 minutes.
2. Add all other ingredients to casserole, except cashews.
3. Cover and cook on High power (1000 W) for 5 minutes, then Low power (440 W) for 25 minutes or until vegetables are soft. Stir occasionally.
4. Sprinkle with cashews and serve with boiled rice.

**N.B.** This recipe is best cooked in advance, chilled and then reheated to allow the flavours to develop.

## Cauliflower Cheese

### ingredients

#### Serves 4

1 cauliflower, trimmed and cut  
into florets  
90 ml (6 tbsp) water  
25 g (1 oz) butter  
25 g (1 oz) flour  
5 ml (1 tsp) French mustard  
450 ml (¾ pt) milk  
seasoning to taste

#### Topping:

150 g (5 oz) grated red cheese  
60 ml (4 tbsp) brown  
breadcrumbs

**Dish:** large bowl + shallow  
casserole

1. Place cauliflower florets in a bowl. Add water.
2. Cover and cook on High power (1000 W) for 10 minutes, or until tender. Drain.
3. Melt butter on High power (1000 W) for 30-40 seconds.
4. Stir in flour and mustard.
5. Cook for a further 20 seconds. Add milk gradually. Stir well and season.
6. Cook on High power (1000 W) for 2-3 minutes, or until sauce is thick and bubbling. Stir once halfway during cooking.
7. Stir in 50 g (2 oz) grated cheese. Pour the sauce over the cauliflower. Top with remaining cheese and breadcrumbs.
8. Cook on High power (1000 W) for 2-3 minutes or until cheese melts.

## Steamed Suet Sponge Pudding

### ingredients

#### Serves 4

150 g (5 oz) self-raising flour  
pinch of salt  
50 g (2 oz) caster sugar  
50 g (2 oz) suet  
1 egg  
150 ml (¼ pt) milk  
30 ml (2 tbsp) jam or  
golden syrup

#### Optional:

add 1 tbsp of sultanas to dry ingredients

**Dish:** 1 litre (2 pt) pudding basin

1. In a mixing bowl, sift together the flour and salt.
2. Stir in the sugar and suet. Make a well in the centre and add beaten egg and milk.
3. Mix to a soft dropping consistency. Put the jam in the base of the greased pudding basin and pour pudding mixture over.
4. Cook on High power (1000 W) for 4-5 minutes until firm.

## Individual Pineapple Upside Down Pudding

### ingredients

#### Serves 2

15 ml (1 tbsp) golden syrup  
2 pineapple slices, drained  
2 glacé cherries  
50 g (2 oz) margarine  
50 g (2 oz) caster sugar  
1 egg  
50 g (2 oz) self raising flour  
15 ml (1 tbsp) milk

**Dish:** 2 ramekin dishes,  
base lined

1. Put ½ tbsp golden syrup in the base of each ramekin; arrange pineapple slice and cherry on top of the syrup in the base.
2. Cream together the margarine and sugar until light and fluffy. Beat in the egg gradually.
3. Fold in the flour and mix to a soft consistency with the milk.
4. Spoon the mixture over the pineapple and cook on High power (1000 W) for 2-3 minutes or until cooked.
5. Leave to cool slightly before turning upside down onto a serving plate.

## Christmas Puddings

### ingredients

#### Serves 4

75 g (3 oz) self-raising flour  
3 ml (½ tsp) baking powder  
3 ml (½ tsp) mixed spice  
25 g (1 oz) butter  
1 egg  
30 ml (2 tbsp) treacle  
60 ml (4 tbsp) stout  
15 ml (1 tbsp) rum or brandy  
200 g (7 oz) mincemeat  
25 g (1 oz) apple, grated  
75 g (3 oz) currants  
25 g (1 oz) chopped nuts

**Dish:** 4 ramekins, base lined

1. Place all ingredients into a large mixing bowl and stir until thoroughly mixed.
2. Divide mixture equally between the ramekins.
3. Place towards outer edge of the turntable and cook on High power (1000 W) for 5-6 minutes, or until cooked.



## Date Puddings and Butterscotch Sauce

### ingredients

#### Serves 4

200 g (7 oz) fresh dates,  
stoned and finely chopped  
175 g (6 oz) self-raising flour  
5 ml (1 tsp) baking powder  
5 ml (1 tsp) vanilla essence  
15ml (1tbsp) Camp  
coffee essence  
100 ml (3½ fl.oz) milk  
75 g (3 oz) butter  
150 g (5 oz) caster sugar  
2 eggs lightly beaten

Butterscotch sauce  
45 g (1¾ oz) butter  
120 ml (8 tbsp)  
soft brown sugar  
200 ml (7 fl. oz) whipping  
cream  
15 ml (1 tbsp) vanilla essence

**Dish:** Individual microwave  
proof moulds

1. Pour 175 ml (6 fl. oz) boiling water over the chopped dates and set aside to cool. Sift together flour and baking powder. Add vanilla and coffee essence to the milk.
2. Cream the butter and sugar until light and fluffy. Add eggs a little at a time.
3. Fold in the flour and flavoured milk, then pour in the date mixture. Place in six moulds. Cook on High power (1000 W) for 10-11 minutes and leave to stand for 10 minutes.

#### Sauce

4. Place butter in a large jug and cook on High power (1000 W) for 30-40 seconds, or until bubbling.
5. Add sugar and stir until it has dissolved, cooking for 1 minute at a time on High power (1000 W).
6. Continue to cook until liquid is foaming and bubbling 30 seconds at a time on High power (1000 W).
7. Slowly pour in the cream and bring to the boil on High power (1000 W) for 2-3 minutes.
8. Add essence. Stir, continue to boil on High power (1000 W) for 30 seconds at a time until it starts to thicken.

## Chewy Flapjacks

### ingredients

#### Serves 4

75 g (3 oz) butter or margarine  
30 ml (2 tbsp) golden syrup  
75 g (3 oz) light brown sugar  
150 g (5 oz) porridge oats  
50 g (2 oz) raisins

**Dish:** 20cm (8") round dish

1. Place butter, syrup and sugar in a bowl and cook on High power (1000 W) for 1-2 minutes, or until melted.
2. Stir in the oats and raisins. Press into dish.
3. Cook on High power (1000 W) for 3-3 ½ minutes, or until the centre is bubbling.
4. Allow to cool slightly then cut into 8 pieces.

## Boston Brownies

### ingredients

#### Serves 4

100 g (4 oz) plain chocolate  
100 g (4 oz) butter  
100 g (4 oz) soft dark  
brown sugar  
100 g (4 oz) self-raising flour  
10 ml (2 tsp) cocoa powder  
pinch salt  
2 eggs, beaten  
3 ml (½ tsp) vanilla essence  
100 g (4 oz) walnuts, chopped

**Dish:** 20 cm (8") square  
dish lined with greaseproof

1. Place chocolate and butter in a bowl and cook on High power (1000 W) for 1 minute, or until chocolate has melted.
2. Stir in all other ingredients and beat well.
3. Pour into dish and cook on Low power (440 W) for 6-7 minutes or until just slightly sticky.
4. Allow to cool and then cut into squares.

## Custard

### ingredients

#### Serves 4

30 ml (2 tbsp) custard powder  
15 ml (1 tbsp) sugar  
600 ml (1 pt) cold milk

**Dish:** 1 litre (2 pt) jug

1. Mix together the custard powder, sugar and a little milk to form a smooth paste.
2. Blend in the remaining milk, whisking well.
3. Cook on High power (1000 W) for 5-8 minutes stirring regularly.
4. Whisk well halfway through cooking time and again at the end.

## White Pouring Sauce

### ingredients

#### Serves 2

25 g (1 oz) butter  
25 g (1 oz) flour  
600 ml (1 pt) milk

**Dish:** 1 litre (2 pt) jug

1. Melt butter in jug on High power (1000 W) for 20-40 seconds. Stir in the flour to make a roux.
2. Add the milk gradually stirring continuously until well combined. Cook for 2 minutes on High power (1000 W).
3. Stir and cook on High power (1000 W) for a further 3-5 minutes stirring regularly.
4. Sauce should be smooth and glossy and coat the back of a spoon.

## Soft Fruit Jam

### ingredients

#### Makes approx. 1½ lbs jam

450 g (1 lb) soft fruit, washed  
450 g (1 lb) caster sugar  
30 ml (2 tbsp) lemon juice  
5 ml (1 tsp) butter

**Dish:** large bowl

1. Place all ingredients in a large bowl and stir. Cook on High power (1000 W) for 5 minutes (10-15 minutes if using frozen fruit), stirring frequently.
2. Continue to cook in one minute intervals until sugar has dissolved.
3. Wash down any sugar crystals from around the bowl.
4. Bring mixture to the boil and continue to cook until setting point is reached – approx. 15-20 minutes. Test regularly for setting point.

**N.B.** Do not double the mixture as it will boil over.

## Questions and Answers

Q: Why won't my oven turn on?

A: When the oven does not turn on, check the following:

1. Is the oven plugged in securely?  
Remove the plug from the outlet, wait 10 seconds and reinsert.
2. Check the circuit breaker and the fuse.  
Reset the circuit breaker or replace the fuse if it is tripped or blown.
3. If the circuit breaker or fuse is all right, plug another appliance into the outlet. If the other appliance works, there probably is a problem with the oven. If the other appliance does not work, there probably is a problem with the outlet.

If it seems that there is a problem with the oven, contact an authorised Service Centre.

Q: My microwave oven causes interference with my TV. Is this normal?

A: Some radio, TV, Wi-Fi, cordless telephone, baby monitor, bluetooth or other wireless equipment interference might occur when you cook with the microwave oven. This interference is similar to the interference caused by small appliances such as mixers, vacuums, blow dryers, etc. It does not indicate a problem with your oven.

Q: The oven won't accept my program. Why?

A: The oven is designed not to accept an incorrect program. For example, the oven will not accept a fourth stage, and will not accept an Auto program after delay start.

Q: Sometimes warm air comes from the oven vents. Why?

A: The heat given off from the food whilst cooking warms the air in the oven cavity. This warmed air is carried out of the oven by the air flow pattern in the oven. There are no microwaves in the air. The oven vents should never be blocked during cooking.

Q: The oven stops cooking by microwave and 'H97' or 'H98' appears in the display. Why?

A: This display indicates a problem with the microwave generation system. Please contact an authorised Service Centre.

Q: The fan continues to rotate after cooking. Why?

A: After using the oven, the fan motor may rotate to cool the electrical components. This is normal and you can continue using the oven at this time.

## Technical Specifications

<b>Manufacturer</b>	<b>Panasonic</b>	
<b>Model</b>	<b>NN-SD27HS</b>	
<b>Power Supply</b>	<b>230-240 V 50 Hz</b>	
<b>Operating Frequency:</b>	<b>2450 MHz</b>	
<b>Input Power:</b>	<b>Maximum</b>	<b>1500 W</b>
	<b>Microwave</b>	<b>1100 W</b>
<b>Output Power:</b>	<b>Microwave</b>	<b>1000 W (IEC-60705)</b>
<b>External Dimensions</b>	<b>488 mm (W) x 395 mm (D) x 279 mm (H)</b>	
<b>Interior Dimensions W x D x H (mm)</b>	<b>315 mm (W) x 353 mm (D) x 206 mm (H)</b>	
<b>Uncrated Weight (approx.)</b>	<b>9.5 Kg</b>	
<b>Noise</b>	<b>57 dB</b>	

*Weight and Dimensions shown are approximate.*

This product is an equipment that fulfills the European standard for EMC disturbances (EMC = Electromagnetic Compatibility) EN 55011. According to this standard this product is an equipment of group 2, class B and is within required limits. Group 2 means that radio-frequency energy is intentionally generated in the form of electromagnetic radiation for purpose of warming or cooking food. Class B means that this product may be used in normal household areas.

**Manufactured by: Panasonic Appliances Microwave Oven (Shanghai) Co., Ltd.**  
888, 898 Longdong Road. Pudong, Shanghai, 201203, China.

**Imported by: Panasonic Marketing Europe GmbH**

**REP. EU: Panasonic Testing Centre**  
Winsbergring 15, 22525 Hamburg, Germany



Visit Panasonic's **The Ideas Kitchen** website for Microwave advice, recipes, cooking tips and offers:

[www.theideaskitchen.co.uk](http://www.theideaskitchen.co.uk)



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