

Panasonic®

Operating Instructions

Microwave / Convection Oven

Model No. **NN-CD997S**
NN-CD987W



NN-CD997S



NN-CD987W

Please read these instructions completely before operating this oven and keep for future reference.

A00037F40QP
F0907-0
Printed in Japan

We are glad you have chosen to purchase a PANASONIC Microwave/Convection Oven.

Before operating this oven, please read these instructions completely.

If you have only used a Microwave oven for reheating and defrosting, with Panasonic's Inverter Technology, you can be reassured of excellent results when cooking a variety of foods, as the 'soft' penetration of microwave energy to the centre of food helps prevent overcooking on edges and surfaces. Foods can now be gently simmered without the concern of boil over.

You also have the added advantage of cooking with either convection or grill to achieve perfect browning and crisping of foods. Combination allows you to cook with speed as well as browning at the same time.

After reading the introductory chapter, I am sure you will be able to master the basic technique and thereby develop a firm understanding of your new oven. This book includes recipes from starters to desserts.

Start experimenting now, and enjoy the first class results you will achieve by using your new microwave/convection oven.

Consultant Home Economist
Fiona Campbell

Panasonic Australia Pty. Ltd.
P.O. Box 505
Frenchs Forest NSW 2086



Panasonic New Zealand
31 Carbine Road,
Mt Wellington, Auckland
Tel No: (09) 272-0100
Fax No:(09) 272-0137

Matsushita Electric Industrial Co., Ltd.

Microwave Oven Business Unit
800 Tsutsui-cho, Yamatokoriyama City,
Nara 639-1188, Japan
Web Site: <http://panasonic.net>

The serial number of this product may be found on the rear panel of product. You should note the model number and serial number of this oven in the space provided and retain this book as a permanent record of your purchase for future reference.

MODEL NUMBER _____

SERIAL NUMBER _____

DATE OF PURCHASE _____

Table of Contents

Before Operation

Safety Instructions	2, 3
Installation and Earthing Instructions.	3, 4
General Instructions.	4, 5
Microwaves and How They Work.	5
Cookware and Utensil Guide.	6, 7
Feature Diagram	8
Feature Diagram - Control Panel.	9
Oven Accessories	10
Cooking Modes : Heating Source	10
Cook Navigator/Prompting.	10

Operation & Hints

Let's Start to Use Your Oven!	11
Quick Guide to Operation	12
To Set Clock.	13
Operation Guide on the Screen.	13
To Use Child Safety Lock.	13
To Reheat/Defrost/Cook by Micro Power and Time.	14 - 16
To Cook using the Time/Weight Dial	15
To Defrost by Turbo Defrost	17
To Cook on Convection/2 Level Convection	18, 19
To Set Standing Time.	19
To Cook on Grill.	20
To Cook on Combination	21, 22
To Reheat by Sensor Reheat	23
To Cook by Auto Menu	24 - 28
To Use Recipe Prompting	29, 30
To Change the Cooking Time	30

Maintenance

Before Requesting Service	31
Care of Your Microwave Oven	32
Technical Specifications.	32
Panasonic Warranty.	33

Turn over for Cook Book.

Before Operation

Operation & Hints

Maintenance

Safety Instructions

Precautions to be taken when using Microwave Ovens for Heating foodstuffs

INSPECTION FOR DAMAGE

A microwave oven should only be used if an inspection confirms all of the following conditions:

1. The door grille is not damaged or broken.
2. The door fits squarely and securely and opens and closes smoothly.
3. The door hinges are in good condition.
4. The metal plates of a metal seal on the door are neither buckled nor deformed.
5. The door seals are neither covered with food nor have large burn marks.

PRECAUTIONS

Microwave radiation from microwave ovens can cause harmful effects if the following precautions are not taken:

1. Never tamper with or deactivate the interlocking devices on the door.
2. Never poke an object, particularly a metal object, through a grille or between the door and the oven while the oven is operating.
3. Never place saucepans, unopened cans or other heavy metal objects in the oven.
4. Do not let other metallic articles, e.g. fast food foil containers, touch the side of the oven.
5. Clean the oven cavity, the door and the seals with water and a mild detergent at regular intervals. Never use any form of abrasive cleaner that may scratch or scour surfaces around the door.
6. Always use the oven with the trays or cookware recommended by the manufacturer.
7. Never operate the oven without a load (i.e. an absorbing material such as food or water) in the oven cavity unless specifically allowed in the manufacturer's literature.
8. For horizontally hinged doors, never rest heavy objects such as food containers on the door while it is open.
9. Do not place sealed containers in microwave ovens. Baby bottles fitted with a screw cap or a teat are considered to be sealed containers.

PRACTICAL HINTS

Exterior oven surfaces, including air vents on the cabinet and the oven door will get hot during CONVECTION, COMBINATION and GRILL. Use care when opening or closing door and when inserting or removing food and accessories.

WE CERTIFY THAT THIS MICROWAVE OVEN HAS BEEN INSPECTED AND COMPLIES WITH THE REQUIREMENTS OF REGULATION 3, SUBCLAUSE(2), OF THE MICROWAVE OVENS REGULATIONS 1982.
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

(This statement applicable only to New Zealand.)

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

WARNING

- a) If the door or door seals are damaged, the appliance must not be opened until it has been repaired by a competent person.
- b) It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.
- c) Liquids and other foods must not be heated in sealed containers since they are liable to explode.
- d) Only allow children and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, to use the oven without supervision when adequate instructions have been given so that the child and such person is able to use oven in a safe way and understands the hazards of improper use. Children should be supervised to ensure that they do not play with the appliance.
- e) Accessible parts may become hot during use. Young children should be kept away.
- f) If the supply cord of this appliance is damaged, it must be replaced by the special cord available only from the manufacture.

(continued on the following page.)

SAVE THESE INSTRUCTIONS

Safety Instructions

WARNING (continuance)

- g) Only use utensils that are suitable for use in microwave ovens.
- h) When heating food in plastic or paper containers, keep an eye on the appliance due to the possibility of ignition.
- i) If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames.
- j) When microwave heating liquids, overheating the liquid beyond boiling point can occur without evidence of bubbling. This could result in a sudden boil over of hot liquid.
- k) The contents of feeding bottles and baby food jars must be stirred or shaken and the temperature checked before consumption, in order to avoid burns.
- l) Eggs in their shell and hard-boiled eggs should not be heated in microwave ovens since they may explode, even after microwave heating has ended.
- m) The door seals and door seal areas should be cleaned with a damp cloth.
- n) The oven should be cleaned regularly and any food deposits removed.
- o) Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.
- p) During use the appliance becomes hot. Care should be taken to avoid touching heating elements inside the appliance.
- q) A steam cleaner is not to be used.

Installation and Earthing Instructions

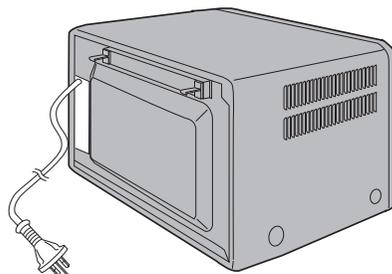
Important Instructions

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

1. Read all instructions before using microwave oven.
2. Some products such as whole eggs and sealed containers - (for example, closed glass jars and **sealed baby bottles with a teat**) - may explode and should not be heated in a microwave oven.
3. Use this microwave oven only for its intended use as described in this manual.
4. As with any appliance, close supervision is necessary when used by children.
5. Do not operate this microwave oven, if it is not working properly, or if it has been damaged or dropped.
6. Do not store or use this appliance outdoors.
7. Do not immerse cord or plug in water.
8. Keep cord away from heated surfaces.
9. Do not let cord hang over edge of table or counter.
10. To reduce the risk of fire in the oven cavity:
 - a) Do not overcook food. Carefully attend microwave oven if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - b) Remove wire twist-ties from bags before placing bag in oven.
 - c) If materials inside the oven should ignite, keep oven door closed, turn oven off at the wall switch, or shut off power at the fuse or circuit breaker panel.
11. Do not remove outer panel from oven.

Placement of Oven

1. The oven must be placed on a flat, stable surface more than 85 cm above the floor. For correct operation, the oven must have sufficient air flow. **Allow 15 cm of space on the top of the oven, 10 cm at back and 5 cm on both sides. If one side of the oven is placed flush to a wall, the other side or top must not be blocked.**
 - a) Do not block air vents. If they are blocked during operation, the oven may overheat. If the oven overheats, a thermal safety device will turn the oven off. The oven will remain inoperable until it has cooled.
 - b) Do not place oven near a hot or damp surface such as a gas stove, electric range or sink etc.
 - c) Do not operate oven when room humidity is too high.
2. The surfaces of top, back and left side of the oven become hot during operation. Do not allow the mains cable to come in contact with the surface of the oven.



3. This oven was manufactured for household use only.

Installation and Earthing Instructions

(continuance)

Earthing Instructions

This microwave oven must be earthed. In the event of an electrical short circuit, earthing reduces the risk of electric shock by providing an escape wire for the electric current. This microwave oven is equipped with a cord having an earthing wire with an earthing plug. The plug must be plugged into an outlet that is properly installed and earthed.

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

Circuit

Your microwave oven should be operated on a separate 10 A circuit from other appliances. Failure to do this may cause the power board fuse to blow, and/or food to cook slower. Do not insert higher value fuse in the power board.

Fan Motor Operation

After using the oven, the fan rotates to cool the electric components. Do not switch the electricity off for 5 minutes after using the oven. This continuance of fan operation is perfectly normal, and you can take out the food from the oven while the fan operates.

Before Operation

General Instructions

General Use

1. In order to maintain high quality, do not operate the oven when empty. The microwave energy will reflect continuously throughout the oven if no food or water is present to absorb energy.
2. Do not dry clothes, newspapers or other materials in the oven. They may catch on fire.
3. Do not use recycled paper products, unless the paper product is labelled as safe for microwave oven use. Recycled paper products may contain impurities which may cause sparks and/or fires when used.
4. Do not use newspapers or paper bags for cooking.
5. Do not hit or strike control panel. Damage to controls may occur.
6. POT HOLDERS may be needed as heat from food is transferred to the cooking container and from the container to Ceramic Tray. The tray can be very hot after removing the cooking container from the oven.
7. Do not store flammable materials next to, on top of, or in the oven. It could be a fire hazard.
8. Do not cook food directly on Ceramic Tray unless indicated in recipes. (Food should be placed in a suitable cooking utensil.)
9. **Do NOT** use this oven to heat chemicals or other non-food products. **Do NOT** clean this oven with any product that is labeled as containing corrosive chemicals. **The heating of corrosive chemicals in this oven may cause microwave radiation leaks.**
10. When using the COMBINATION mode, never place any aluminum or metal container directly on the wire rack. Always insert a heatproof, glass plate or dish between the wire rack and the aluminum container. This will prevent sparking that may damage the oven.
11. It is recommended not to use the wire rack when cooking in the MICROWAVE mode only.

12. If ceramic tray is hot, allow to cool before cleaning or placing in water.

Food

1. Do not use your oven for home canning or the heating of any closed jar. Pressure will build up and the jar may explode. In addition, the microwave oven cannot maintain the food at the correct canning temperature. Improperly canned food may spoil and be dangerous to consume.
2. Do not attempt to deep fat fry in your microwave oven.
3. Potatoes, apples, egg yolks, whole squash, chicken wing and sausages are examples of foods with non porous skins. This type of food must be pierced before cooking, to prevent bursting.
4. 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 cooking time.
 - d) After heating, allow to stand in the oven for a short time, stirring again before carefully removing the container.
5. **DO NOT USE A CONVENTIONAL MEAT THERMOMETER IN THE MICROWAVE OVEN. To check the degree of cooking of roasts and poultry use a MICROWAVE THERMOMETER.** Alternatively, a conventional meat thermometer may be used after the food is removed from the oven. If undercooked, return meat or poultry to the oven and cook for a few more minutes at the recommended power level. It is important to ensure that meat and poultry are thoroughly cooked.

General Instructions

- COOKING TIMES given in the cookbook section are APPROXIMATE.** Factors that may affect cooking time are preferred degree of cooking, moisture content, starting temperature, altitude, volume, size, shape of food and utensils used. As you become familiar with the oven, you will be able to adjust for 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 recommended.
- Extreme care should be taken when cooking popcorn. Cook for minimum time as recommended by manufacturer. Use the directions suitable for the wattage of your oven. NEVER leave oven unattended when popping popcorn.
- Take care when heating food in foil trays. Trays should be no deeper than 2 cm and should not touch the sides of the oven walls. If you are unsure of the heating time, do not leave the oven unattended.

Microwaves and How They Work

Microwaves are a form of high frequency radio waves similar to those used by a radio, including AM, FM and CB.

Electricity is converted into microwave energy by the magnetron tube (which is the heart of the microwave oven).

From the magnetron tube, microwave energy is transmitted to the oven cavity. The microwaves are converted to heat in the food. The microwaves enter from the outside of the food and travel through the food. Continued cooking to the centre occurs by conduction.

Although pacemakers used to be affected by microwaves (as well as by other radio waves), they are now shielded and are not bothered by these interferences. This allows people with pacemakers to sit calmly by their radio or television and cook with microwave ovens.

When the microwaves come in contact with a substance, any one or a combination of three things may occur. They can be:

1. REFLECTED
2. TRANSMITTED
3. ABSORBED

Reflection

Metal substances REFLECT microwave energy because there is no absorption and there is no heating. This is why the oven interior is either stainless steel or paint-coated steel. This ensures that the microwaves are kept inside the cavity and evenly distributed throughout the food with the help of the turntable.

Transmission

Such substances as paper, glass and plastic TRANSMIT microwave energy and do not become hot except from food. Because these substances do not reflect or absorb microwave energy, they are ideal materials for microwave cooking containers.

Absorption

Food contains moisture and will ABSORB microwave energy, which causes the moisture molecules within the food to vibrate at an incredible rate (2,450,000,000 times per second). Friction, created by vibration, produces heat energy which is conducted throughout the food.

Cookware and Utensil Guide

It is important to use correct containers when cooking in a microwave oven. The following will help you to make the right selection.

How to Test a Container for Safe Microwave Oven Use

Fill a 1-cup glass measure with water and place it in the microwave oven along with the container to be tested; heat one minute on HIGH. If the container is microwave oven safe, it should remain comfortably cool and the water should be hot. If the container becomes very hot, it has absorbed some microwave energy and should not be used. This test cannot be used for plastic containers.

Paper Products and Freezer Wrap

Waxed paper, paper plates, cups and napkins should not be used for heating or cooking food by Convection, Combination and Grill. Freezer wrap should not be used as it is not heat resistant and may melt. Paper towels, greaseproof paper and bake paper may be safely used for short periods of time for covering or lining.

Glass, Ceramic and China

Heat-Resistant glass cookware is invaluable in microwave cooking. Many of these items are readily available in most homes: glass jugs, mixing bowls, loaf dishes, covered casseroles, oblong baking dishes, pie plates and round or square cake dishes. Examples of this type of cookware are Pyrex® and Corningware®.

Dinnerware can be used for microwave heating. Many brands of dinnerware are microwave safe. Check the care information for reference to microwave use for dinnerware and serving pieces. If dinnerware is marked ovenproof, it frequently is safe to use in the microwave oven. However, to be sure, check by conducting a microwave dish test.

Several types of glassware and dinnerware are not recommended for use in the Microwave Oven. Do not use dishes with metallic trim or containers with metal parts. Do not use cups or mugs with glued on handles, as they may fall off with continued heating. Do not use delicate glassware. Although the glassware may be transparent to microwave energy the heat from the food may cause the glassware to crack.

Plastics

Plastic dishes, cups and some freezer containers should be used with care in a microwave oven.

Choose plastic containers carefully, as some plastic containers may become soft, melt and scorch. The majority of plastic dishes, even those designed for use in the microwave oven, are not suitable for cooking foods with high fat or sugar content, or for lengthy cooking time. Most microwave plastic dishes should not be used for longer than 3 to 5 minutes on HIGH power. These dishes, although not suitable for extended cooking, may be successfully used for defrosting or for use on lower power levels.

Cooking Bags designed to withstand boiling, freezing, or conventional heating are microwave safe. Prepare bags according to manufacturers' directions. When cooking by microwave, DO NOT use wire twist-ties to close bag. They can act as an antenna and cause arcing (sparks). DO NOT COOK IN PLASTIC FOOD STORAGE BAGS.

Plastic Wrap such as GLAD WRAP® can be used to cover dishes in most recipes. Over an extended heating time, some disfiguration of the wrap may occur. When removing plastic wrap "covers" as well as any glass lid be careful to remove it away from you to avoid steam burns.

Loosen plastic but let dish stand covered.

Browning Dishes

NOTE: Browning dishes are no longer available. This information is supplied to assist people who already own a browning dish.

Browning dishes are used to sear chops, meat patties, steaks etc. A special coating on the bottom of the dish absorbs the microwave energy and becomes very hot. When foods are added to the dish, the result is a seared effect. Preheat the dish according to the manufacturers' directions. Add food to be seared and heat according to recipe or personal preference. Use pot holders to remove the dish from the Microwave Oven. Do not use the browning dish on or in a conventional stove.

Remember:

Food can be covered with a loose sheet of absorbent towel to prevent splattering. Do not attempt to deep fry in the browning dish or microwave oven as you cannot control the temperature of the oil.

Cookware and Utensil Guide

Metal

Metal cookware or utensils, and those with metallic trim, should NOT be used on microwave. Since microwave energy is reflected by metal, foods in metal containers will not cook evenly. There is also the possibility of "arcing". Although metal utensils must be avoided in microwave cooking, some metal can be helpful when used correctly. Aluminium foil can be used safely, if certain guidelines are followed, to prevent overcooking. Small pieces of foil are used to cover areas such as chicken wings, tips of roasts, or other thin parts that cook before the rest of the recipe is finished. Make sure foil is attached securely and doesn't touch sides of oven; otherwise arcing may occur. Foil lined containers, either cardboard or plastic, should NOT be used in the microwave oven as arcing could occur.

Metal twist-ties, either paper or plastic coated, should NOT be used on Microwave or Combination. Frozen dinner trays can be used on Microwave if the container is no deeper than 2 cm and is filled with food. They may be used on Convection. Metal skewers can not be used on Microwave as arcing may occur. Wooden skewers are readily available and give the same result.

Shells: Scalloped baking shells are best used during reheating and for short periods of cooking time only. **Thermometers** are available for use in microwave ovens. DO NOT USE CONVENTIONAL MERCURY TYPE CANDY OR MEAT THERMOMETERS in food while cooking in the microwave oven or on Combination.

Jars and Bottles

Jars and Bottles can be used to warm food to serving temperature, if the lid is removed first. Cooking should not be done in these containers since most are not heat resistant and during extended heating times, heat from food would cause cracking or breaking.

Straw, Wicker, and Wood

Straw and wicker baskets may be used in the microwave oven for a short period of time to warm rolls or bread. Large wooden utensils, such as bowls or cutting boards should NOT be used for prolonged heating as the microwave energy may cause the wood to become dry and brittle.

Cookware and Utensil Guide

	Microwave	Grill	Convection	Combination
Aluminium foil	for shielding	yes	yes	for shielding
Browning dish	yes	no	no	no
Brown paper bags	no	no	no	no
Dinnerware oven/microwave safe	yes	yes	yes	yes
non-oven, microwave safe	yes	no	no	no
Disposable polyester paperboard dishes	yes*	no	yes*(up to 220°C)	yes*(up to 220°C)
Glassware oven glassware & ceramic	yes	yes	yes	yes
non heat resistant	no	no	no	no
Metal cookware	no	yes	yes	yes**
Metal twist-ties	no	yes	yes	no
Oven cooking bag	yes	no	yes*	yes
Paper towels and napkins	yes	no	no	no
Plastic defrosting rack	yes	no	no	no
Plastic dishes microwave safe	yes	no	*	*
non microwave safe	no	no	no	no
Plastic wrap	yes	no	no	no
Silicon Bakeware	yes	*	*	*
Straw, wicker, wood	yes	no	no	no
Thermometers microwave safe	yes	no	no	no
conventional	no	yes	yes	no
Waxed paper	yes	no	no	no

* Check manufacturers' recommendation, must withstand heat.

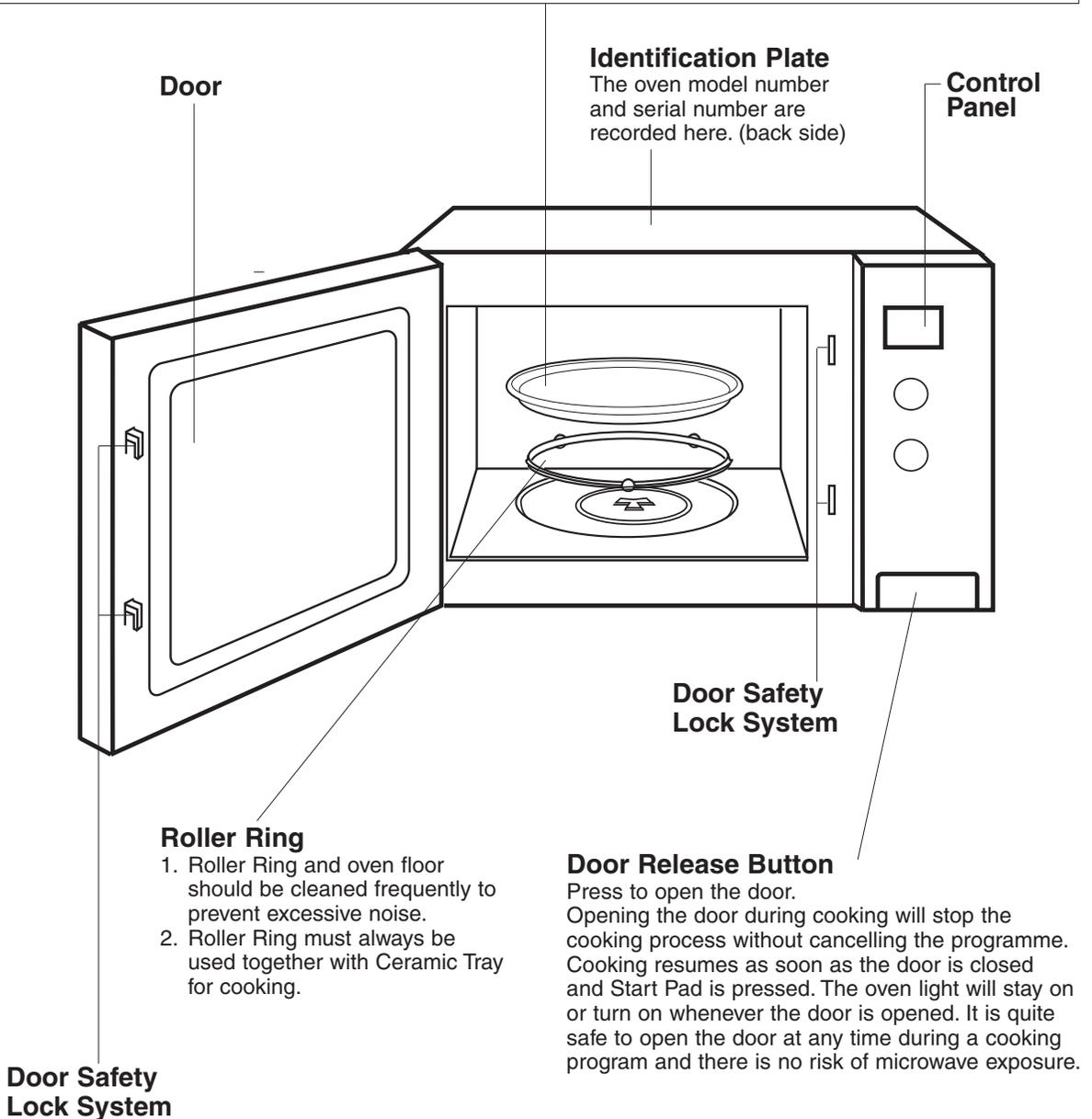
** Follow recipe instructions.

NOTE: See page 10 for accessories included.

Feature Diagram

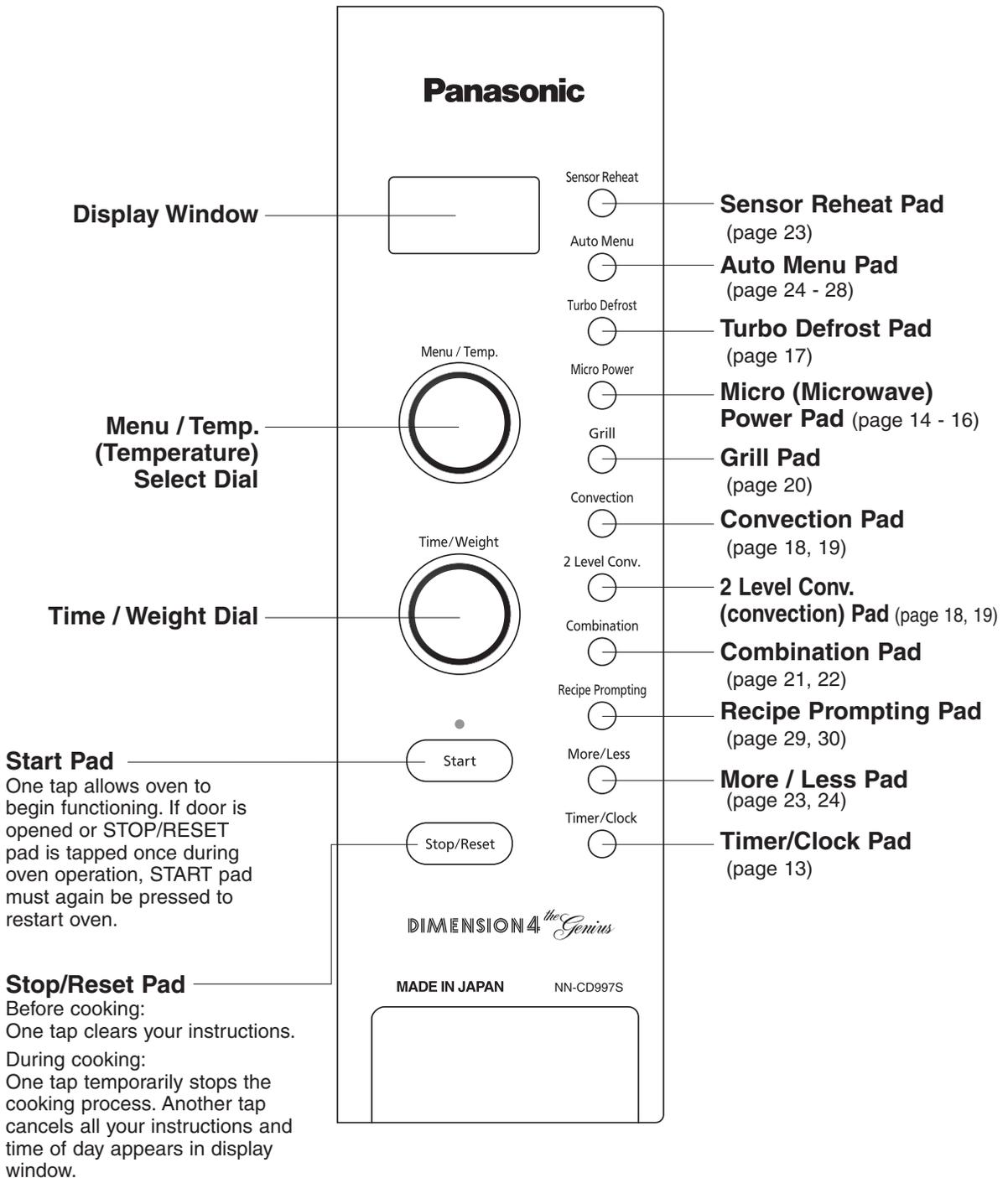
Ceramic Tray

1. Do not operate the oven without Roller Ring and Ceramic Tray in place.
2. Only use Ceramic Tray specifically designed for this oven. Do not substitute any other Ceramic tray.
3. If Ceramic Tray is hot, allow to cool before cleaning or placing in water.
4. Do not cook directly on Ceramic Tray unless otherwise indicated. Always place food in a microwave-safe dish, or on a rack set in a microwave-safe dish.
5. If food or utensils on Ceramic Tray touches the oven walls, causing the tray to stop moving, the tray will automatically rotate in the opposite direction. This is normal.
6. Ceramic Tray can rotate in either direction.



Feature Diagram - Control Panel

The control panel of NN-CD987W has the same key layout as NN-CD997S.



Before Operation

Prompters:

When a pad is pressed, a beep sound is heard and the corresponding letter or word(s) appear and roll across the screen.

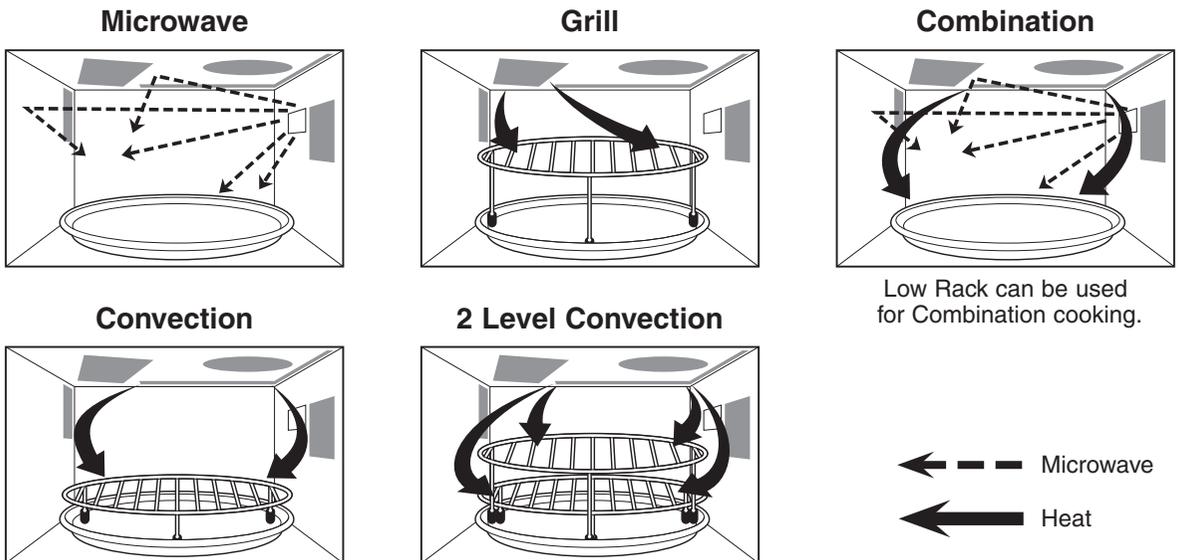
If a pad is pressed and no beep is heard, the unit does not or cannot accept the instruction. As each pad is pressed the corresponding word(s) roll across the screen. Words will automatically appear to prompt user to perform the next step. It is not necessary to wait for the words to appear before pressing pads for the next step. A two beep sound is heard between stages. At the end of any complete program, the oven will beep five times.

Oven Accessories

Before Operation

	Ceramic Tray with Roller Ring  Use always	High Rack 	Low Rack 
Microwave	yes	no	no
Grill	yes	yes	yes
Convection	yes	yes	yes
2 Level Convection	yes	yes	yes
Combination	yes	no	yes

Cooking Modes: Heating Source



Cook Navigator/Prompting

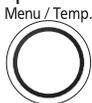
This feature allows you to be guided through the cooking process. Once a pad has been selected, the oven will prompt you to the NEXT step until cooking starts.

e.g. 1

Press Convection Pad.

Display window will prompt you to "SET TEMPERATURE".

Turn to temperature required.



Display window will prompt you to "PRESS START".

Press Start Pad.

e.g. 2

Press Auto Menu Pad.

Display window will prompt you to "1. FROZEN REHEAT" (category).

Turn to select menu required.



Display window will prompt you to "PRESS START".

Press Start Pad.

e.g. 3

Press Micro Power Pad.

Display window will prompt you to "SET TIME".

Turn to select cooking time.



Display window will prompt you to "PRESS START".

Press Start Pad.

NOTE:

This feature operations for all cooking modes. Operation guide can be turned off (refer page 13).

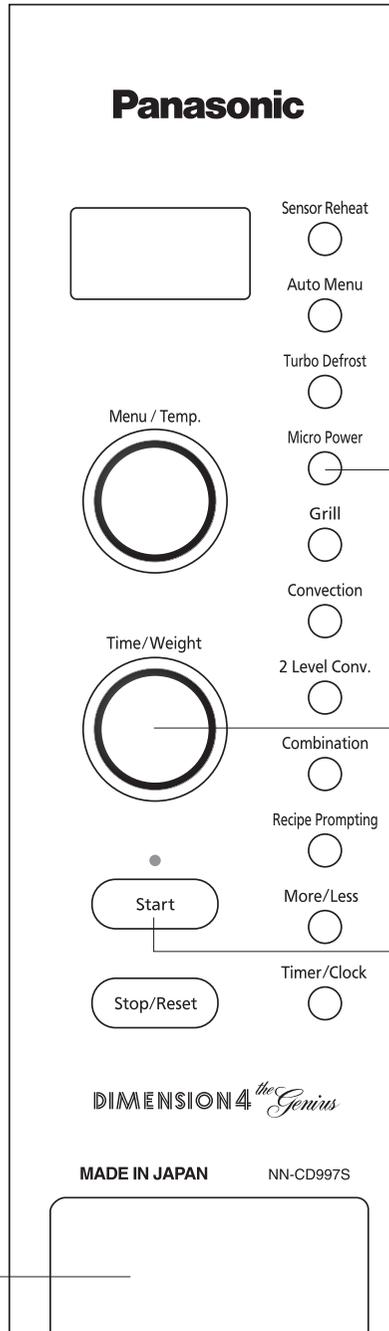
Let's Start to Use Your Oven!

1. Plug In

Plug into a properly grounded electrical outlet. "PANASONIC MICROWAVE/ CONVECTION OVEN WELCOME TO COOKING" appears in the display window. (This will immediately cease when any pad is pressed.)

2. Press

Open the door and place the food on Ceramic Tray in the oven. Then close the door.



3. Select Power Level

e.g. HIGH power — Press once (Continue pressing for other power levels — page 14)

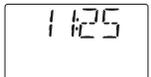
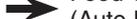
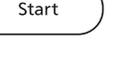
4. Set Time

Turn dial clockwise to increase or anti-clockwise to decrease cooking time.

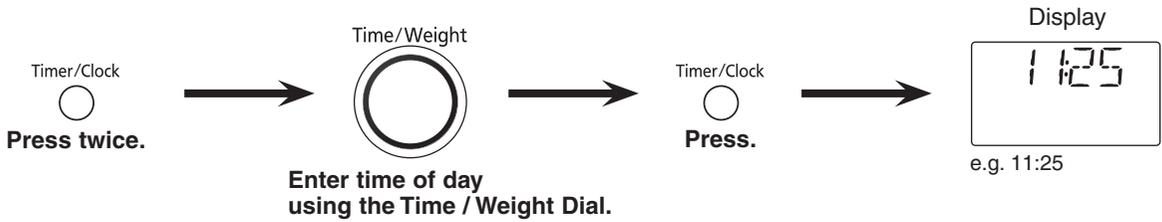
5. Press

Starts the cooking process.

Quick Guide to Operation

Feature	How to Operate	
To Set Clock (page 13)	Timer/Clock  2 x press	 Time/Weight   Enter time of day. (Max 12:59) Timer/Clock 
To Use Child Safety Lock (page 13)	To Set:  3 x press	Display  To Cancel:  3 x press Display  Display returns to clock.
To Use Micro Power and Time Setting (page 14 - 16)	Micro Power  Select Power	 Time/Weight   
To Cook on Grill (page 20)	Grill  Select Grill 1 or 2	 Time/Weight   
To Cook on Convection /2 Level Convection (page 18, 19) e.g. 1 Level Convection	For preheating: Convection   Menu / Temp.   Start 	For Cooking: Place food in the oven.  Time/Weight   Start 
To Cook by Combination (page 21, 22)	Combination  Select 1-6	 Time/Weight   
To Reheat using “Sensor Reheat” pad (page 23)	Sensor Reheat  	More/Less  Optional  
To Cook using “Auto Menu” pad (1-20): (page 24 - 28)	Auto Menu   Select Desired Food Category. (Auto Menu: 1 - 9, 19, 20)	Menu / Temp.   More/Less Optional   
	Auto Menu   Select Desired Food Category. (Auto Menu: 10 - 18)	Menu / Temp.   Time/Weight Set weight.   More/Less Optional   
To Set Stand Time (page 19)	Set Desired Cooking Programme.  Timer/Clock  	Time/Weight    To Select Standing Time
To Use Recipe Prompting (page 29, 30)	Recipe Prompting   Select the Desired Recipe.	Menu / Temp.   Turn clockwise for the next instruction. Turn counterclockwise for the previous instruction. Time/Weight 

To Set Clock



NOTES:

1. To reset time of day, repeat the steps as above.
2. The clock will keep time of day as long as the oven is plugged in and electricity is supplied.
3. Max time available is 12:59. Clock is 12 hour only.
4. You can use the oven without setting the clock.

Operation Guide on the Screen

To assist you in programming your oven, the following operation will appear on the screen. When you become familiar with your oven, the operation guide can be turned off.

To turn off:



To turn on:



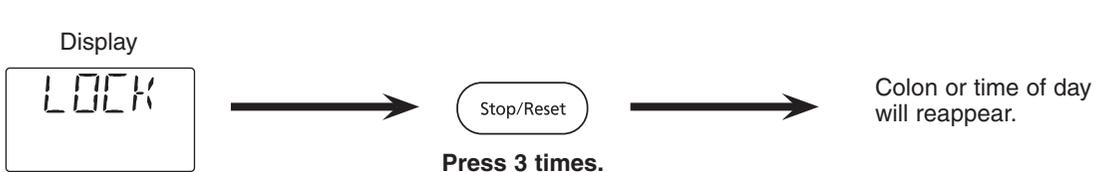
To Use Child Safety Lock

This feature allows you to prevent operation of the oven by a young child; however, the door will open. You can set Child Lock when colon or time of day is displayed.

To Set:

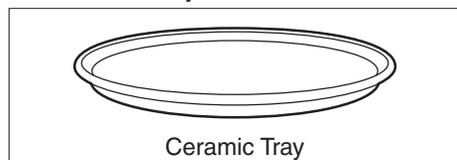


To Cancel:



To Reheat / Defrost / Cook by Micro Power and Time

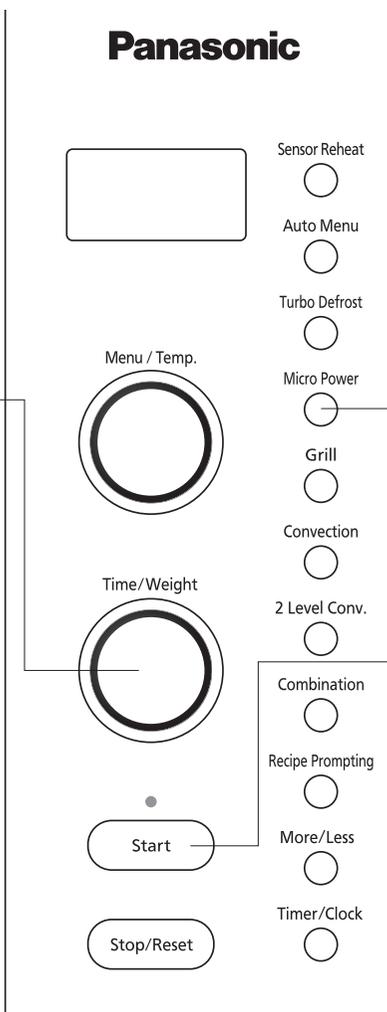
Use of Accessory:



Operation & Hints

2. Set Cooking Time

HIGH: up to 30 minutes
Others: up to 1 1/2 hours
Time can be entered in 10 second intervals up to 5 mins then 1 min intervals.



1. Select Micro Power

3. Press

Cooking will start.
The time in the display window will count down.

2 or 3 stage cooking:
Repeat steps 1 and 2 above then press Start Pad, the oven will beep twice between stages.
e.g. Casseroles - HIGH 10 minutes to bring to the boil, then MED LOW 30 mins to finish by simmering.

Micro Power:

You can select different power levels for cooking foods at different speeds, refer to the chart below.

Power Level	Power	No. of Taps	Example of Use
HIGH	1000 W	1	Boil water, cook fresh fruit, vegetables, rice and pasta. Reheat soups, stews and casseroles.
DEFROST*	350 W	2	Thaw foods.
MED HIGH	700 W	3	Cook poultry, meat, cakes and desserts. Heat milk.
MEDIUM	550 W	4	Cook pot roasts, casseroles and meatloaves, melt chocolate. Cook eggs and cheese. Cook fish.
MED LOW	350 W	5	Simmer soups, stews and casseroles (less tender cuts.) Soften butter and cream cheese.
LOW	100 W	6	Keep cooked foods warm, simmer slowly.

* Refer to page 16.

To Reheat / Defrost / Cook by Micro Power and Time

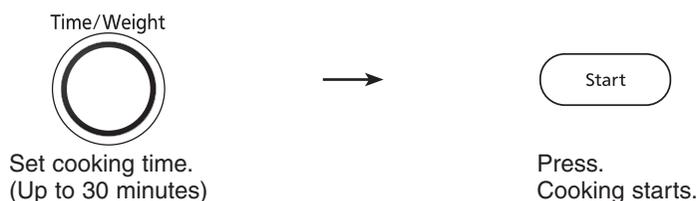
Frozen Convenience Foods

Item Frozen (pre-cooked)	Power	Approx. Time (in minutes)	Instruction
BREAD & BAKED PRODUCTS			
Bread 1 slice	MED HIGH	15 - 20 sec	Do not let bread get hot, or it will become rubbery and dry out. Remove whole loaf from original wrapper. Place on paper towel to absorb moisture.
1 loaf (700 g)	MED HIGH	2 - 3	
6 rolls	MEDIUM	2 - 3	
Cheesecake (450 g)	DEFROST	2 - 3	Remove from container. Defrost on plate.
Muffins – 4 (350 g)	MED HIGH	2 - 3	Place onto paper towel lined plate.
Scones – 6 (400 g)	MEDIUM	2 - 3	Defrost on paper lined plate. Stand 2 minutes.
Croissants – 4 (200 g)	MEDIUM	1 - 2	Place onto paper towel lined plate.
PIES			
Fruit Pie (500 g)	DEFROST then MED HIGH	5 - 7 5 - 7	Remove from foil container and place uncovered into a pie dish.
Meat Pie (175 g)	DEFROST then MEDIUM	4 - 6 3 - 4	Place onto paper towel lined plate.
Pizza (350 g)	HIGH	5 - 7	Remove from package and place onto paper towel or follow manufacturers' instructions.
FROZEN MEAL			
Fish in Sauce (200 g)	MEDIUM	6 - 7	Pierce corner of bag. Heat on a plate.
Instant Casserole in Pouch (serves 2)	MEDIUM	6 - 7	Pierce pouch.
Lasagne (400 g)	MEDIUM	14 - 16	Remove from foil container, place into serving dish.
Plate Food / TV style dinner (320 g)	MEDIUM	8 - 10	Remove foil cover and replace with plastic wrap.
Vegetables & Sauce (in the bag) (500 g)	MEDIUM	8 - 10	Pierce corner of bag. Heat on a plate.
MISCELLANEOUS			
Chicken Pieces (500 g)	DEFROST then MED HIGH	5 - 7 6 - 8	Place onto paper towel lined plate.
Fish Fingers – 8 (200 g)	DEFROST then HIGH	3 - 5 2 - 3	Place onto paper towel lined plate.
Sausage Rolls (250 g)	MEDIUM	3 - 5	Place onto paper towel lined plate.

To Cook using the Time/Weight Dial

This feature allows you to set cooking times at micro power "HIGH" easily.

e.g. To cook at HIGH Power for 5 minutes.



NOTE: This feature is not available for 2 or 3 stage cooking.

To Reheat / Defrost / Cook by Micro Power and Time

Defrost by Setting Time



Preparation for Freezing:

1. Heavy-duty plastic wraps and bags, and freezer wraps are suitable.
2. Freeze meat, poultry and fish in packages with only 1 or 2 layers of food. To aid in separating layers, place two pieces of wax paper between them.
3. Remove all air and seal securely.
4. Label package with type and cut of meat, date and weight.
5. Defrosting times given in the charts are for thoroughly frozen foods (i.e. at least 24 hours in freezer maintained at -18°C or lower).

Defrosting Technique:

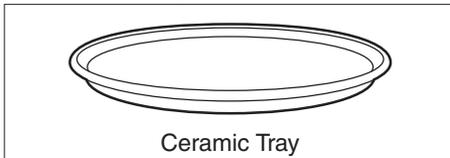
1. Remove from wrapper and set on a Plastic or Ceramic rack in a dish on Ceramic Tray.
2. After defrosting: Large roasts may still be icy in the centre. Allow to stand 15 to 30 minutes in refrigerator to completely defrost.

Defrosting Chart (using Micro Power defrost and time):

Food	Approx. Time	Instruction
MEAT	per 500 g	
Beef		
minced beef	8 - 11	Turn meat over two or three times during defrosting.
roast: topside	12 - 15	Halfway through the defrost cycle break apart minced beef, separate chops and remove meat that is defrosted.
beef tenderloin	12 - 15	
chuck or rump	10 - 13	
sirloin, rolled	11 - 14	
steak	8 - 10	Shield edges and unevenly shaped ends of roasts halfway through the defrost cycle.
miscellaneous	8 - 12	
Pork/Lamb		
roast	9 - 12	Large roasts may still be icy in the centre. Allow to stand.
chops	8 - 11	
ribs	8 - 12	
POULTRY		
Chicken		
whole	9 - 12	Turn poultry over two to four times during defrosting. Halfway through the defrost cycle shield end of drumstick, wings, breast bones, and ends of poultry with foil.
pieces	8 - 11	Break apart chicken pieces and remove small pieces such as wings, that may defrost before larger pieces.
fillets	8 - 10	
Duck	10 - 12	
Turkey	10 - 13	Rinse poultry under cold water to remove ice crystals. Allow to stand for 5 to 10 minutes before cooking.
FISH & SHELLFISH		
Fish fillets	9 - 11	Halfway through the defrost cycle, turn whole fish or blocks of fillets over. Also, break apart prawns or scallops. Remove any pieces that are defrosted.
Whole fish	9 - 12	
Crabmeat	8 - 10	
Lobster tails	8 - 10	
Sea scallops	8 - 10	Allow to stand 5 to 10 minutes before cooking.
Green prawns	10 - 12	

To Defrost by Turbo Defrost

Use of Accessory:



Turbo Defrost

This feature allows you to defrost meat, poultry and seafood by entering the weight.

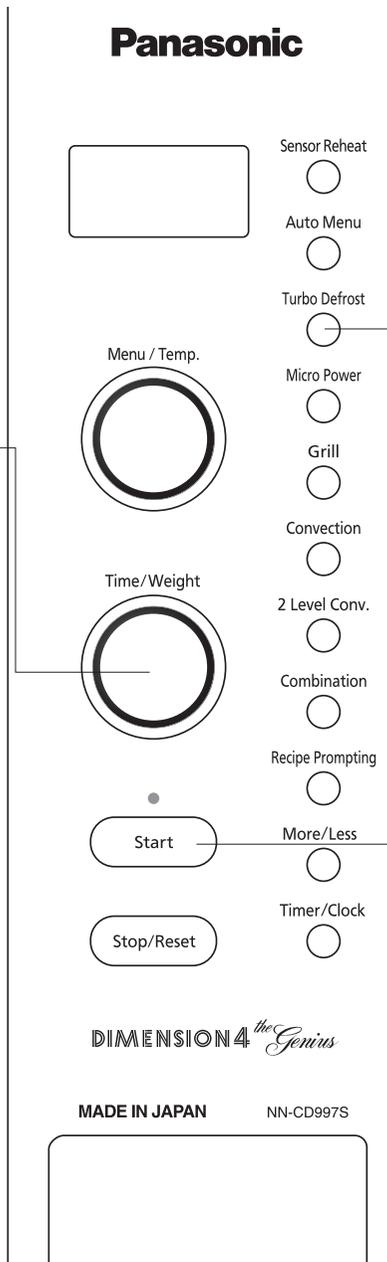
1. Press

3. Press

2. Set Weight

Max. weight 3 kg
Weight can be entered in 0.1 kg intervals.

The shape and size of the food will determine the maximum weight the oven can accommodate.

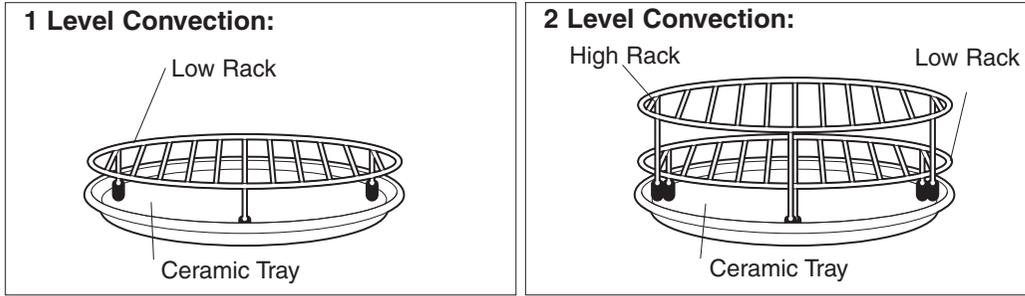


NOTES:

1. Stand time or power level may be programmed after Turbo Defrost. (See pages 19)
2. **During Turbo Defrost**, the oven will beep.
At the beep: Turn over all meat, poultry, fish and shellfish. Break apart stewing meat, chicken pieces and minced meat. Separate chops and hamburger patties. Remove defrosted minced meat, stewing meat, poultry pieces or prawns etc. Shield thin ends, fat bones of roasts or poultry legs and wings with foil.
3. For further information on Defrost, refer to page 16.

To Cook on Convection/2 Level Convection

Use of Accessory:



2. Select the desired oven temperature

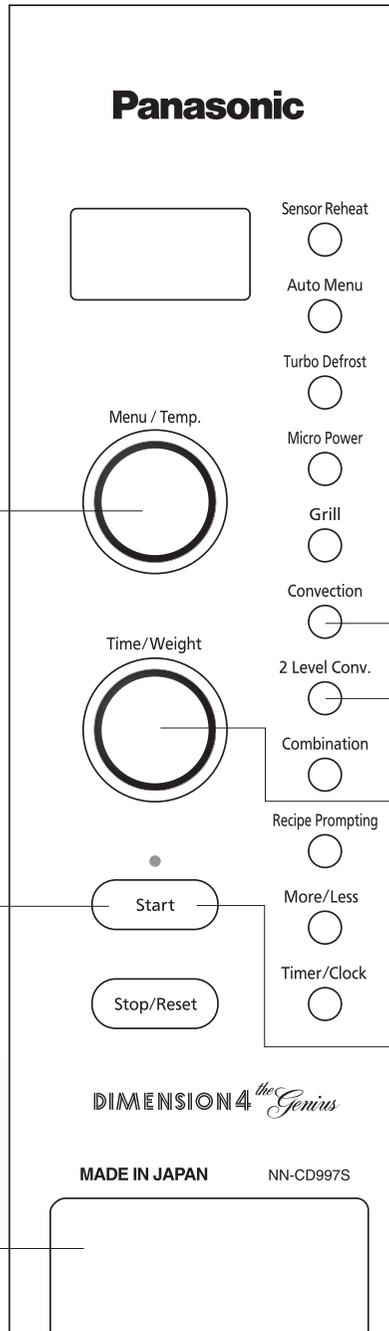
100°C to 250°C.
40°C is temperature for fermentation of yeast doughs.

3. Press

The oven begins to preheat. Do not open the door during preheating.

4. After preheating, place the food into the oven

After preheating 3 beeps will be heard and "P" will blink in the display.



1. Press
(1 Level Convection)

1. Press
(2 Level Convection)

5. Set Cooking Time

(Up to 9 hours)
Time can be entered 1 min intervals.

6. Press
Cooking will start.

To Cook on Convection/2 Level Convection (continuance)

Convection Cooking:

Just like a conventional oven, the convection oven has a heating element to give the dry heating needed to produce crisp, browned exteriors. Convection cooking has the addition of a fan to produce conventional results with a slightly reduced cooking time. Convection cooking temperatures range from 100°C to 250°C. Most conventional recipes will be suitable for use. Follow the minimum suggested cooking times and add additional time if required. Convection recipes are also available throughout the recipe section of this book.

2 Level Convection:

2 Level Convection is available for when you wish to cook a larger quantity of food. The entire oven cavity may then be utilised. For example, cooking two trays of biscuits.

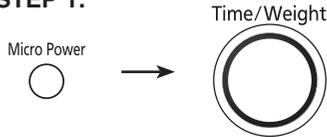
NOTES:

1. Place Ceramic Tray correctly in the oven before preheating.
2. If the oven door is not opened after the completion of preheating, the oven will maintain the selected temperature for 30 minutes. After 30 minutes, the oven will shut off automatically and revert to the time of day.
3. If preheating is not required for the food you are cooking, eliminate step 3.
4. When selected cooking time is less than one hour, the time counts down by minutes and seconds.
5. When selected cooking time is more than one hour, the time counts down by hours and minutes until only "1H 00 (1 hour)" remains. Then the display then counts down by minutes and seconds.
6. 2 Level Convection is not available for 2 or 3 stage cooking.

To set Standing Time

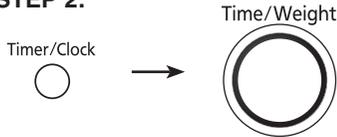
Using the Timer Pad, you can program 1) a Stand Time after cooking is completed or 2) a minute timer.

e.g. **STEP 1:**



Select the desired cooking program.

STEP 2:



Press Timer pad.

Set the desired amount of time. (up to 1 1/2 hours)

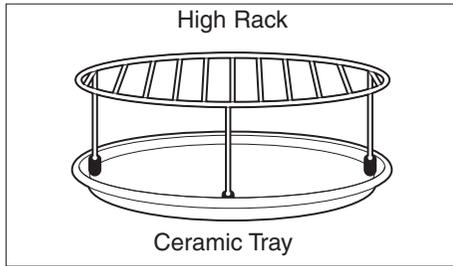
Press Start pad.

NOTES:

1. Three stage cooking can be programmed including a Stand Time.
2. If the oven door is opened during the Stand Time, the time in the display window will continue to count down.
3. This feature may also be used as a timer. In this case, eliminate first step.

To Cook on Grill

Use of Accessory:



There are two Grill settings available.

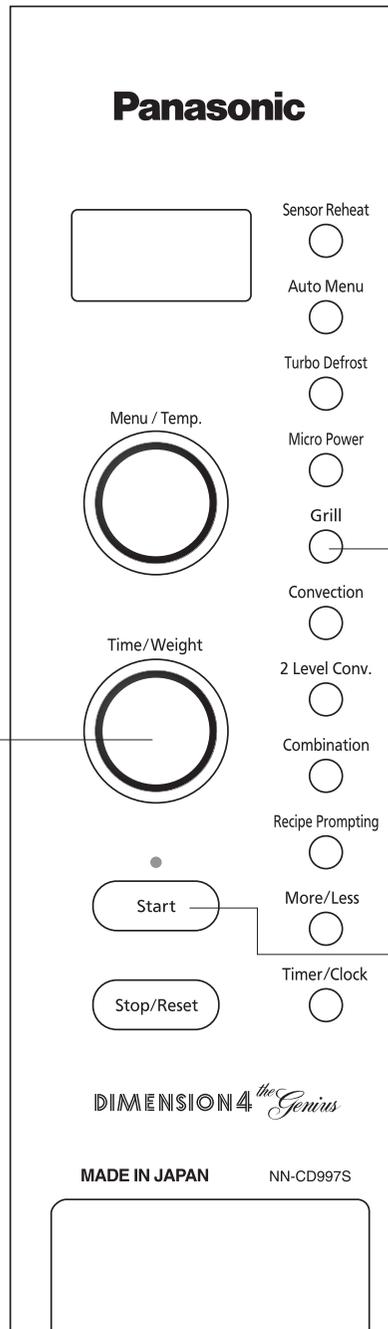
Grill 1(High) is ideal for grilling meat, chicken and fish fillets.

Grill 2 (Low) is ideal for grilling whole fish and oven baked chips and browning cheese and egg dishes.

Place a heatproof glass or ceramic dish under the rack to catch any excess fat or meat juices.

2. Set Time

(up to 1 hour 30 minutes)
Time can be entered 10 second intervals up to 5 mins then 1 min intervals.



1. Select Grill Power

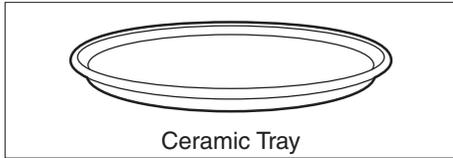
Grill 1 (High) or Grill 2 (Low) can be selected.

3. Press

Cooking will start.

To Cook on Combination

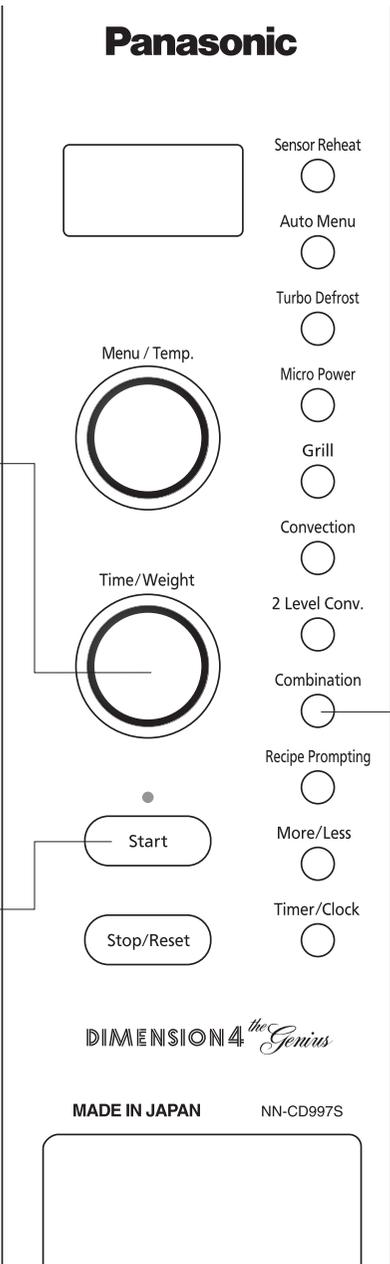
Use of Accessory:



There are 6 combination settings for Convection/Microwave. To select the correct program for particular foods, refer to next page.

Low Rack can be used for Combination cooking.

Panasonic



1. Select Setting
COMB 1-6 and the program temperature appears in the display.

2. Select Cooking Time
(up to 9 hours)

3. Press
Cooking will start.

Sensor Reheat
Auto Menu
Turbo Defrost
Micro Power
Grill
Convection
2 Level Conv.
Combination
Recipe Prompting
More/Less
Timer/Clock

Menu / Temp.
Time/Weight

Start
Stop/Reset

DIMENSION 4 *the Genius*
MADE IN JAPAN NN-CD997S

NOTES:

1. When selected cooking time is less than one hour, the time counts down by minutes and seconds.
2. When selected cooking time is more than one hour, the time counts down by hours and minutes until only "1H 00 (1 hour)" remains. Then the display counts down by minutes and seconds.

(continued on the following page.)

To Cook on Combination

Examples of Foods to Cook by Combination Mode

Combination Setting	Foods Suitable	Oven Temperature	Micro Power Level
COMB 1	Casseroles, pot roasts, meat loaves, corned meat	150°C	LOW
COMB 2	Quiche, baked custards, rice pudding	160°C	LOW
COMB 3	Cakes, self saucing pudding, layered slices, apple pie	170°C	LOW
COMB 4	Single layer slice, light cakes, roast lamb	180°C	LOW
COMB 5	Roast pork, roast beef, jacket potato, turkey, duck, garlic bread, chicken pieces casseroles, lasagne, reheating sweet/savoury pies, reheating muffins	200°C	MED LOW
COMB 6	Pastries, bread, grilling sausages and rissoles, whole chicken, chicken pieces, pizzas, reheating croissants	230°C	LOW

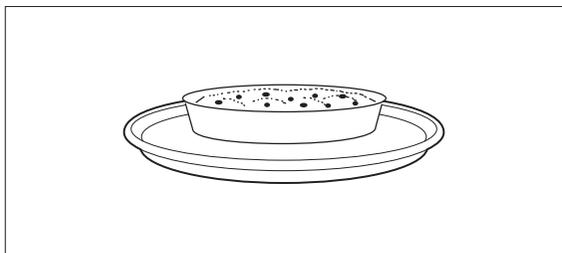
Combination cooking is ideal for roasting meats, poultry and cooking cakes, pastries and slices. Combination cooking automatically alternates between Convection and Microwave heating.

The advantage of Combination cooking is that it gives you the browning of Convection and often shortens the conventional cooking time. Time is also reduced as preheating is not required.

To calculate cooking time start by cooking for approximately $\frac{2}{3}$ of the conventional cooking time and add additional time if required. For examples of recipes and cooking times, consult recipes in the recipe section.

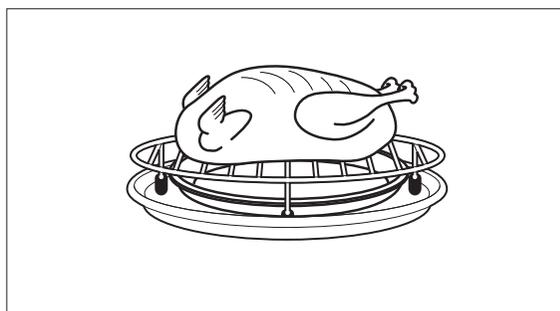
Ovenproof cookware, including ceramic is suitable for use when cooking on Combination. Cakes, slices, desserts etc. may be cooked in metal cookware providing there is suitable quantity of food to be absorbed by the microwave heat. For example, do not place a small amount of food in a large metallic dish as arcing may occur.

Use of Accessory:



When cooking by Combination, place dishes to be cooked on the Ceramic Tray. When roasting meat, the roasts may be placed directly on Low Rack. Sausages and rissoles may also be cooked in this way.

Place a heatproof glass or ceramic dish (less than 2 cm high) under the rack to catch any drips from the roast. Alternately, elevate the roast on a roasting rack in a baking dish and place directly on Ceramic Tray.



Cakes, slices, desserts, etc. may be cooked in metal cookware. Do not place a small amount of food in a large metallic dish as arcing may occur.

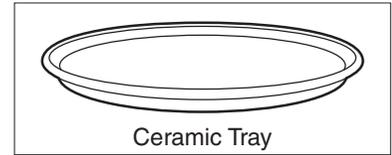
To Reheat by Sensor Reheat

Sensor Reheat (200 g - 1.2 kg)

This feature allows you to reheat most of your favourite foods without having to select cooking times and power levels. The oven does it all automatically.

- All foods must be pre-cooked.
- Foods should be at room or refrigerated temperatures.
- Stirrable foods are recommended.
- Place in a suitably sized dish (approximately $\frac{3}{4}$ full).
- Dish should be covered with plastic wrap or a fitting lid that does not snap seal.
- Stir food after removal from oven.
- Allow 2 to 3 minutes standing time.
- Do not reheat in foil or plastic containers.

Use of Accessory:



1. Press

More/Less pad

Preferences for food doneness vary with each individual. After having used Sensor Reheat a few times, you may decide you would prefer your food cooked to a different doneness.

By using the More/Less pads, the programs can be adjusted to cook food for a longer or shorter time.

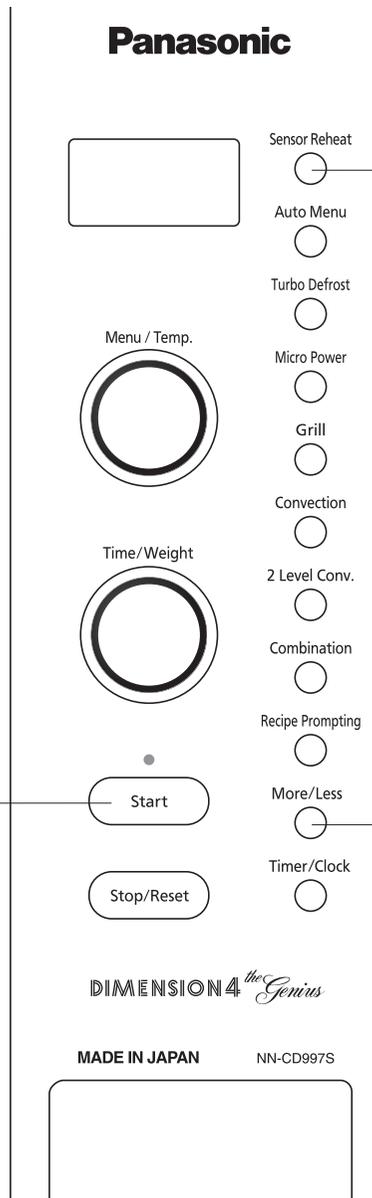
Press More/Less pads after selecting category and before pressing Start pad.

- 1 tap = More
- 2 taps = Less
- 3 taps = Original setting

2. Press

After the burst of steam is detected by the SENSOR, the remaining cooking time appears in the display and begins to count down.

Do not open the door until the remaining cooking time appears in the display window.



For best results, follow these recommendations:

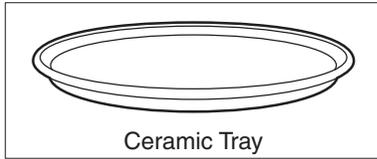
1. The Sensor Reheat work by detecting the amount of steam generated by the food being cooked. From the generated steam, the oven then calculates the remaining cooking time.
2. The door should not be opened before the time appears in the display window.
3. If the oven has been previously used on CONVECTION, COMBINATION or GRILL, and it is too hot to be used on a Sensor Program, a "HOT" will appear in the display window. The cooling fan will operate to cool the oven rapidly. After the "HOT" disappears, the program may be used. If you are in a hurry, cook food manually i.e. select Micro Power Level and cooking time yourself.

To Cook by Auto Menu

Sensor Cook (Auto Menu 1 - 9)

This feature allows you to cook most of your favourite foods without having to select cooking times and power levels. The oven does it all automatically.

Use of Accessory:



2. Select Menu

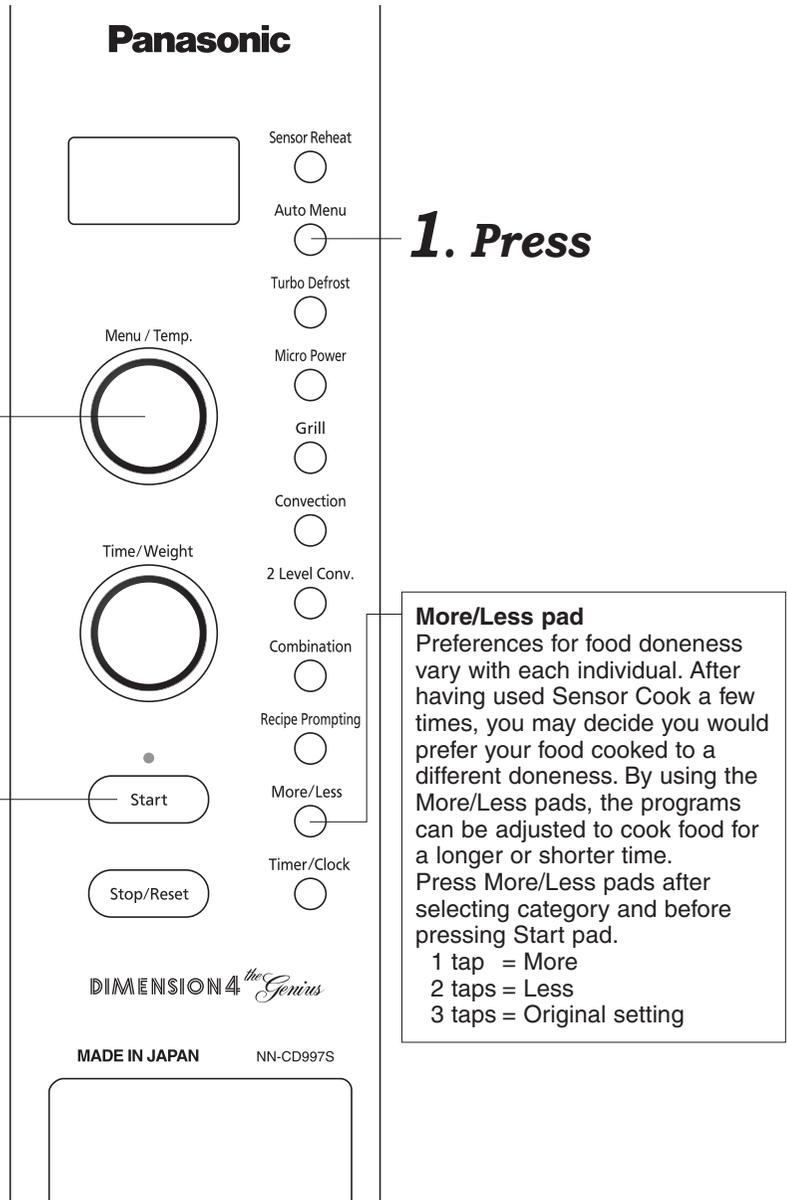
Category and "PRESS START" appears in the display window.

3. Press

After the burst of steam is detected by the SENSOR, the remaining cooking time appears in the display and begins to count down.

Do not open the door until the remaining cooking time appears in the display window.

During cooking, the oven will beep and scroll "STIR" or "REARRANGE" (1 - 5, 7, 9) or "TURN OVER" or "REARRANGE" (8) to signal that the food needs to be stirred or rearranged or turned.



Panasonic

Sensor Reheat
Auto Menu
Turbo Defrost
Micro Power
Grill
Convection
2 Level Conv.
Combination
Recipe Prompting
More/Less
Timer/Clock

Menu / Temp.
Time/Weight

Start
Stop/Reset

1. Press

2. Select Menu

More/Less pad
Preferences for food doneness vary with each individual. After having used Sensor Cook a few times, you may decide you would prefer your food cooked to a different doneness. By using the More/Less pads, the programs can be adjusted to cook food for a longer or shorter time. Press More/Less pads after selecting category and before pressing Start pad.
1 tap = More
2 taps = Less
3 taps = Original setting

DIMENSION4 *the Genius*
MADE IN JAPAN NN-CD997S

For best results, follow these recommendations:

1. The Sensor Cook works by detecting the amount of steam generated by the food being cooked. From the generated steam, the oven then calculates the remaining cooking time.
2. When an Auto Program has been selected, the category will appear in the display window.
3. The door should not be opened before the time appears in the display window.
4. When cooking time is longer than 60 minutes, the time will appear in hours and minutes.
5. Do not use plastic dishes as a secure seal cannot be achieved and inaccurate results may occur.
6. If the oven has been previously used on CONVECTION, COMBINATION or GRILL, and it is too hot to be used on a Sensor Program, a "HOT" will appear in the display window. The cooling fan will operate to cool the oven rapidly. After the "HOT" disappears, the program may be used. If you are in a hurry, cook food manually i.e. select Micro Power Level and cooking time yourself.

To Cook by Auto Menu

Sensor Cook (Auto Menu 1 - 9) continuance

1. FROZEN REHEAT (200 g - 1.2 kg)

- Suitable for reheating pre-cooked soups, stews, casseroles, roast dinners, pasta dishes (except lasagne) and rice dishes from a frozen temperature.
- This setting is not suitable for reheating frozen bread or pastry products, raw or uncooked foods or beverages.
- Remove convenience foods from foil or plastic packaging and place in an appropriate sized dish.
- Cover dish with plastic wrap or a lid that does not snap seal.
- When a beep is heard during cooking, the oven will prompt you to "STIR" or "REARRANGE" the foods. At the end of the cooking time, stir and let stand for 3-5 minutes.

2. VEGETABLES (125 g - 1.0 kg)

- Place in a suitably sized dish and cover with plastic wrap or a fitting lid that does not snap seal.
- Larger vegetables should be placed in a single layer in a shallow dish.
- Add 1 tablespoon to 1/4 cup of water if vegetables appear slightly dehydrated or a softer texture is desired.
- Do not add salt before cooking.
- When a beep is heard during cooking, the oven will prompt you to "STIR" or "REARRANGE" the foods.
- At the completion of cooking, stir larger quantities and allow to stand for 2 to 3 minutes.

3. ROOT VEGETABLES (125 g - 1.0 kg)

- Vegetables should be trimmed, prepared and cut into even sized pieces.
- Add 1 tablespoon to 1/4 cup of water if vegetables appear slightly dehydrated or a softer texture is desired.
- Place in a suitably sized dish and cover dish with plastic wrap or a fitting lid that does not snap seal.
- If desired, butter, herbs, etc. may be added but do not add salt until the completion of cooking.
- When a beep is heard during cooking, the oven will prompt you to "STIR" or "REARRANGE" the foods.

4. FROZEN VEGETABLES (125 g - 1.0 kg)

- See above 2 and 3.

5. FRUIT (125 g - 2.0 kg)

- The addition of water and sugar is optional as most fruit will yield juice as it cooks.
- If liquid is required to produce a softer result, add approximately 1/4 cup per 250 g.
- A sugar syrup may be made by combining 1/4 cup of caster sugar with 1/2 cup of water and cooking on HIGH for 2 to 3 minutes, stirring once to dissolve.
- Place prepared fruit to be cooked in an appropriately sized dish with water or syrup if desired and cover with plastic wrap or a fitting lid that does not snap seal.
- When a beep is heard during cooking, the oven will prompt you to "STIR" the foods.

6. RICE (1/2 cup - 3 cups)

- Use a larger sized dish to prevent rice from boiling over.
- Use cold water at a ratio of:
 - 1/2 cup rice / 1 cup water
 - 1 cup rice / 1 1/2 cups water
 - 2 cup rice / 3 cups water
- Cover with plastic wrap or a fitting lid that does not snap seal.
- When a beep, the cooking time appears in the display window. Stir and remove plastic wrap or lid.
- At the completion of cooking, allow 5-10 minutes standing time.

7. PASTA (125 g - 500 g)

- Suitable for cooking dried pasta.
- Place pasta and water in a large size dish to prevent from boiling over.
- Use boiling water at the ratio of,
 - 125 g pasta / 3 cups water
 - 250 g pasta / 4 cups water
 - 375 g pasta / 6 cups water
 - 400 g pasta / 7 cups water
 - 500 g pasta / 8 cups wateradd 1 teaspoon of oil, if desired, before cooking to prevent the pasta from sticking together.
- Cover with plastic wrap or a fitting lid that does not snap seal.
- When a beep is heard and the cooking time appears in the display. Stir and remove the cover.
- Stand for 5-10 minutes at the completion of cooking time.

8. FISH (250 g - 1.0 kg)

- Suitable for cooking whole fish, fish fillets and cutlets.
- Select fish suitable for microwave cooking and place skin side down in a shallow dish.
- Overlap thin ends of fillets to prevent overcooking.
- Cover dish with plastic wrap or a fitting lid.
- When a beep is heard during cooking, the oven will prompt you to "TURN OVER" or "REARRANGE" the foods.
- Allow larger quantities of fish to stand for 3 to 5 minutes at the completion of cooking.
- For dense pieces of fish, slightly extra cooking time should be allowed by pressing More/Less pad.

9. CASSEROLE (500 g - 2.5 kg)

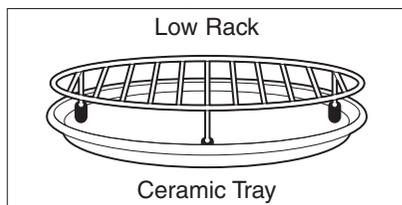
- Select less tender cuts of meat as these will produce the best results.
- Cut meat and vegetables into even sized pieces.
- Place into a suitably sized dish (approx. 3/4 full).
- Add approximately 1/2 to 1 cup of stock or soup per 500 g meat.
- Ensure that a casserole dish with a lid is used. DO NOT USE PLASTIC WRAP, as the heater could melt the wrap.
- When a beep is heard during cooking, the oven will prompt you to "STIR" the foods.
- Stand for 10 minutes at the completion of cooking time.

To Cook by Auto Menu

Weight Cook (Auto Menu 10 - 18):

This feature allows you to cook most of your favourite foods on combination by setting the weight.

Use of Accessory:

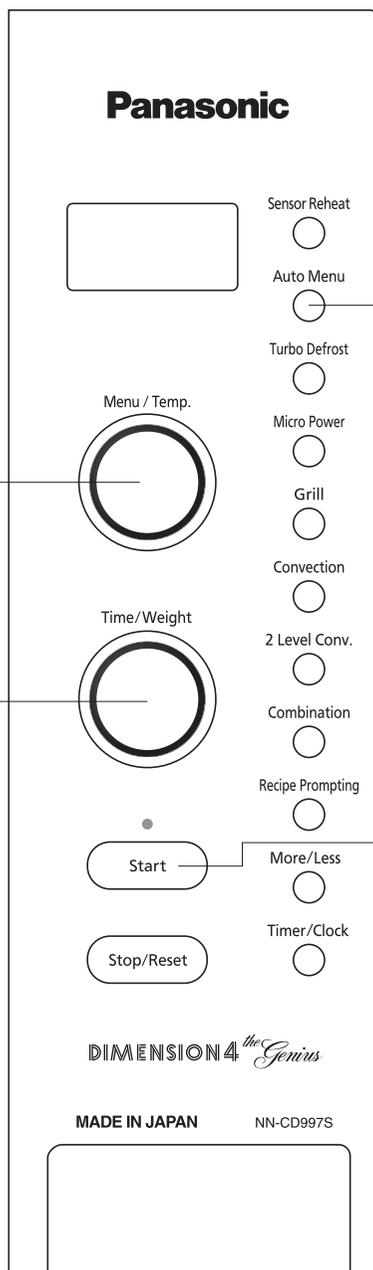


2. Select Menu

Select category 10 - 18.
(see page 27 - 28.)

3. Set Weight

Weight can be entered in 0.1 kg intervals.



1. Press

4. Press

Cooking time appears in the display window and begins to count down.

During cooking, the oven will beep and scroll "TURN OVER" (10, 11, 13, 17) or "TURN OVER / ADD VEGETABLES" (12, 14, 18) or "ADD VEGETABLES" (16) to signal that the food needs to be turned or vegetables added.

NOTE:

1. These settings are cooked by Combination (Convection and Microwave).
2. When the weight has been entered, the cooking times will be determined.
3. When using settings 12, 14, 16 and 18, enter the weight of the meat only.
If potatoes are not sufficiently crisped at the completion of cooking, remove roast from oven and leave potatoes on Low Rack. Program Grill 1 for 10 minutes.
4. Roasts weighing above or below the recommended weights should be cooked by manual combination (see page 21).

To Cook by Auto Menu

Weight Cook (Auto Menu 10 - 18): continuance

10. BEEF RARE /

11. BEEF MEDIUM (0.7 - 3.0 kg)

- Select roasts that are even in shape, if not, tie roasts with string to aid with even cooking.
- Place the beef fat side down on Low Rack, with a shallow dish (less than 2 cm high) underneath to collect drips.
- Turn the beef approximately halfway through cooking time.
- At the completion of cooking, wrap in aluminium foil and allow to stand for 10-15 minutes before carving.

12. BEEF MEDIUM AND BAKED VEGETABLES

(0.7 - 3.0 kg (meat only))

- Select roasts that are even in shape, if not, tie roasts with string, to aid in even cooking.
- Place beef fat side up on Low Rack with a shallow dish (less than 2 cm high) underneath to collect the drips.
- Cut vegetables into even sized pieces.
- For roasts weighing more than 1.1 kg, position potatoes around the outside of the rack. Brush with melted butter or oil.
- The oven will beep and scroll "TURN OVER/ ADD VEGETABLES" when $\frac{1}{3}$ of the cooking time is complete.
ADD softer vegetables such as pumpkin and sweet potato, and turn the meat.
- At the completion of the cooking time, wrap the beef in aluminium foil and allow to stand for 10-15 minutes before carving.

13. LAMB (0.7 - 3.0 kg)

- Place the lamb fat side down on Low Rack, with a shallow dish underneath to collect drips.
- Turn the lamb over approximately halfway through cooking time.
- At the completion of the cooking time, wrap the meat in aluminium foil and allow to stand for 10-15 minutes before carving.
- Boneless roasts may require an additional 5-10 minutes cooking time on Micro Power MEDIUM.

14. LAMB AND BAKED VEGETABLES (0.7 - 3.0 kg (meat only))

- Place lamb fat side down on Low Rack with a shallow dish underneath to collect the drips.
- Cut vegetables into even sized pieces.
- For roasts weighing more than 1.4 kg place potatoes around the outside of the rack. Brush with melted butter or oil.
- The oven will beep and scroll "TURN OVER/ ADD VEGETABLES" when $\frac{1}{3}$ of the cooking time is complete.
ADD softer vegetables such as pumpkin and sweet potato, and turn the meat.
- At the completion of the cooking time, wrap the lamb in aluminium foil and allow to stand for 10 minutes before carving.

15. PORK (0.7 - 3.0 kg)

- Select roasts that are uniform in shape, if not, tie roasts with string, to aid with even cooking.
- Place the pork crackling side up on Low Rack with a shallow dish (less than 2 cm high) underneath to collect drips.
- For crispy crackling, score rind, brush with oil and sprinkle with salt.
- There is no need to turn the pork during the cooking time.
- At the completion of cooking time, wrap the pork in aluminium foil and allow to stand for 10-15 minutes before carving.

16. PORK AND BAKED VEGETABLES

(0.7 - 3.0 kg (meat only))

- Select roasts that are uniform in shape, as this will produce the most evenly cooked result.
- Place crackling side up on Low Rack with a large shallow dish (less than 2 cm high) underneath to collect the drips.
- For crispy crackling, score rind, brush with oil and sprinkle with salt.
- Prepare vegetables and cut into even sized pieces.
- For roasts weighing more over 1.2 kg, place potatoes around the outside of the rack. Brush with melted butter or oil. Add softer vegetables such as pumpkin and sweet potato after $\frac{1}{3}$ of the cooking.
- There is no need to turn the meat or vegetables during the cook time. Potatoes may require additional basting halfway through cooking time.

17. CHICKEN (0.7 - 3.0 kg)

- To keep chicken in shape during cooking, truss or tie the legs of the bird together.
- Place the chicken breast side down on Low Rack, with a shallow dish (less than 2 cm high) underneath to collect the drips.
- If desired, brush the chicken with oil or melted butter and sprinkle with herbs.
- At the completion of cooking, wrap the chicken in aluminium foil and allow to stand for 10-15 minutes before carving.
- The oven will beep and scroll "TURN" when $\frac{1}{2}$ of the cooking time is complete.

(continued on the following page.)

To Cook by Auto Menu

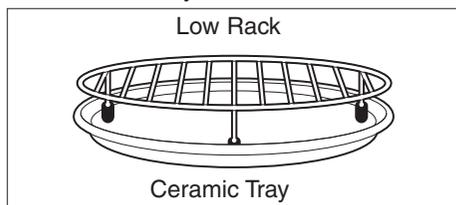
Weight Cook (Auto menu 10 - 18): continuance

18. CHICKEN AND BAKED VEGETABLES (0.7 - 3.0 kg (meat only))

- To keep poultry in shape during cooking, truss or tie the legs of the bird together. Brush with melted butter and sprinkle with herbs if desired.
- Place the chicken breast side down on the Low Rack with a shallow dish (less than 2 cm high) underneath to collect the drips.
- Prepare the vegetables into even sized pieces.
- For chicken weighing 1.1 kg or less, place all vegetables around the outside of the rack. Brush with melted butter or oil.
- For chickens weighing more than 1.1kg, place potatoes around the outside of the rack. Brush with melted butter or oil.
- At the completion of the cooking time, wrap the chicken in aluminium foil and allow to stand for 10-15 minutes before carving.
- The oven will beep and scroll "TURN OVER/ADD VEGETABLES" when $\frac{1}{3}$ of the cooking time is complete. ADD softer vegetables such as pumpkin and sweet potato, and turn the chicken.

Auto Cook (Auto menu 19, 20):

Use of Accessory:



Auto Menu



press.

Menu / Temp.



Select Menu
19 or 20.

Start

press.

Time appears in the display and begins to count down.

19. CAKE / SLICE

- This setting is designed for cooking single layer slices and light cakes which are cooked at a moderate temperature.
- Metal cookware may be used. Position dish to be cooked on the Low Rack, placed on Ceramic Tray.
- Preheating is not required.
- Recipes can be found in Cookbook section.

20. CAKE / DESSERT

- This setting is designed for cooking layered slices and heavier cakes such as Banana which are cooked at a moderate temperature. It is also suitable for cooking desserts such as apple pie and self saucing puddings.
- Metal cookware may be used. Position the dish to be cooked on Low Rack, placed on Ceramic Tray.
- Preheating is not required.
- Recipes can be found in Cookbook section.

To Use Recipe Prompting

Recipe Prompting helps you to cook by following the recipe methods in the display window. 40 recipes are pre-programmed. (Refer to the next page.)

1. Press — points to the display window.

2. Select Menu — points to the Menu / Temp. dial.

3. Press — points to the Start button.

1. Press — points to the Recipe Prompting button.

2. Select Menu — until the desired recipe appears in the display window. Recipes are arranged alphabetically.

3. Press — The first instruction will be scrolled across the display window. Turn clockwise for the next instruction. Turn counterclockwise for the previous instruction.

Instructions include operation of microwave / convection oven. For detailed information on operation, please refer to page 14-22.

“ENJOY YOUR MEAL” will be scrolled across the display window at the end of each recipe.

Panasonic

Sensor Reheat

Auto Menu

Turbo Defrost

Micro Power

Grill

Convection

2 Level Conv.

Combination

Recipe Prompting

More/Less

Timer/Clock

Menu / Temp.

Time/Weight

Start

Stop/Reset

DIMENSION 4 *the Genius*

MADE IN JAPAN NN-CD997S

(continued on the following page.)

To Use Recipe Prompting

NOTE:

Throughout Recipe Prompting, the oven will instruct you to set the cooking time and power level at each stage of the recipe. Set the instructed power level and cooking time using the Micro Power pad and Time / Weight Dial. These settings are a guide only. If you wish to change the timing the oven will accept a different power level and cooking time.

For further information about cooking any of these recipes, refer to the cooking guide section.

The following recipes are pre-programmed in Recipe Prompting:

Recipe	Page	Recipe	Page
1. APRICOT HONEY SLICE	57	21. MALAY COCONUT FISH	17
2. APRICOT NECTAR CHICKEN	25	22. MINI BAKED POTATOES	45
3. BLUEBERRY MUFFINS	55	23. PARMESAN CRUSTED CHICKEN	23
4. CARAMEL SAUCE	64	24. PEACH CRUMBLE	63
5. CHEESE AND HAM FILLED POTATOES	45	25. PEPPER POT BEEF	39
6. CHEESE SAUCE	68	26. POTATO CASSEROLE	46
7. CHICKEN AND MUSHROOM PASTA SAUCE	52	27. POTATO WEDGES	45
8. CHICKEN CURRY	25	28. PUMPKIN SOUP	9
9. CHICKEN RISOTTO	50	29. RED COCONUT DHAL	46
10. CHILLI BEEF	36	30. RHUBARB APPLE GINGER COMPOTE	63
11. CHINESE BEEF AND VEGETABLES	37	31. RICH CHOCOLATE SAUCE	68
12. CHOCOLATE BROWNIES	57	32. ROAST HERB CHICKEN	26
13. CHOCOLATE FUDGE	54	33. SEASONED RICE	50
14. CREAMY BACON SAUCE	51	34. SEASONED ROAST LAMB	34
15. FRAGRANT COCONUT RICE	49	35. SPAGHETTI MEAT SAUCE	51
16. FRENCH ONION BEEF CASSEROLE	40	36. SPEEDY CHOCOLATE BIT SLICE	57
17. GARLIC PRAWNS	19	37. SWEET BERRY SAUCE	64
18. GINGERED WHOLE FISH	19	38. TOMATO BACON SOUP	8
19. HERBED VEGETABLES	43	39. TOMATO VEGETABLE CASSEROLE	44
20. HONEY SESAME DRUMSTICKS	28	40. VEGETABLE CURRY	44

To Change the Cooking Time

While operating, you can change the cooking time.

1. Press the Function Pad you set.
2. Change the cooking time to desired amount by using the Time / Weight Dial.

While the light of the Dial is turned on, changing the cooking time is possible. (The light turns off after 1 minute.) When the light disappears, press the Function Pad you set again.

You can change the oven temperature for Convection cooking.

NOTE:

This feature is **not** available for Sensor Reheat or Auto Menu or Turbo Defrost.

Before Requesting Service

ALL THESE THINGS ARE NORMAL:

The oven causes interference with my TV.	Some radio and TV 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, hair dryer, etc. It does not indicate a problem with your oven.
The fan continues to operate after using the oven & the display shows "COOL".	This is normal - the fan can continue to operate after cooking, this is to cool the oven and the electronic components. It is safe to open the door and remove the food.
Steam accumulates on the oven door and warm air comes from the oven vents.	During cooking, steam and warm air are given off from the food. Most of the steam and warm air are removed from the oven by the air which circulates in the oven cavity. However, some steam will condense on cooler surfaces such as the oven door. This is normal.
I accidentally ran my microwave oven without any food in it.	Running the oven empty for a short time will not damage the oven. However, we do not recommend this to be done.
There are humming and clicking noises from my oven when I cook by Combination.	These noises occur as the oven automatically switches from microwave power to Convection/Grill, to create the Combination setting. This is normal.
The oven has an odour and generates smoke when using the Convection, Combination and Grill function.	It is essential that your oven is wiped out regularly particularly after cooking. Any fat and grease that builds up on the roof and walls of the oven will begin to smoke if not cleaned.

PROBLEM	POSSIBLE CAUSE	REMEDY
Oven will not turn on.	The oven is not plugged in securely.	Remove plug from outlet, wait 10 seconds and re-insert.
	Circuit breaker or fuse in your home is tripped or blown.	Reset circuit breaker or replace fuse in your home.
	There is a problem with the outlet.	Plug another appliance into the outlet to check if the outlet is working.
Oven will not start cooking.	The door is not closed completely.	Close the oven door securely.
	Start pad was not pressed after programming.	Press Start pad.
	Another program has already been entered into the oven.	Press Stop/Reset pad to cancel the previous program and program again.
	The program has not been entered correctly.	Program again according to the Operating Instructions.
	Stop/Reset pad has been pressed accidentally.	Program oven again.
The words "DEMO MODE"* appear on the screen.	Clock pad has been pressed three times.	Deactivate mode by pressing Clock pad three times.
When the oven is turning on, there is noise coming from Ceramic Tray.	Roller Ring and oven bottom are dirty.	Clean these parts according to Care of Your Oven (see page 32).

* DEMO MODE is designed for retail store display.

Cooking and other functions will not operate during demo mode.

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

Care of Your Microwave Oven

BEFORE CLEANING:

Unplug at socket of the oven. If impossible, leave oven door open to prevent oven from accidentally turning on.

AFTER CLEANING:

Be sure to replace Roller Ring and Ceramic Tray in the proper position and press Stop/Reset Pad to clear the display window.

Inside of the oven:

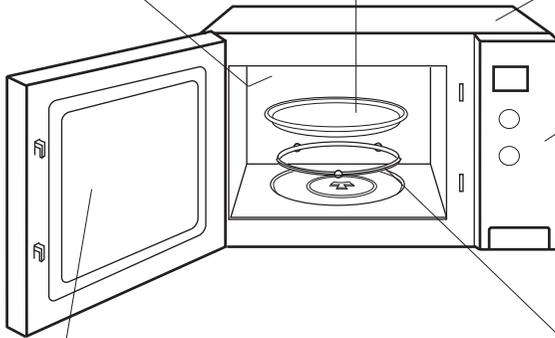
Wipe with a damp cloth. Mild detergent may be used if the oven gets very dirty. The use of harsh detergent or abrasives is not recommended. Do not use oven cleaners on the top of the oven.

Ceramic Tray:

Remove and wash in warm soapy water or in a dishwasher. If grease accumulates, clean with a non-abrasive nylon mesh scouring pad and nonabrasive cleaners.

Outside oven surfaces and back vents:

Clean with a damp cloth. To prevent from damage to the operating parts inside the oven, water should not be allowed to seep into ventilation openings.



Control Panel:

If the control panel becomes wet, clean with a soft, dry cloth. Do not use harsh detergents or abrasives on the control panel.

Do not use a steam cleaner.

Oven Door:

Wipe with a soft cloth when steam accumulates inside or around the outside of the oven door. This may occur when the oven is operated under high humidity conditions and in no way indicates a malfunction of the unit or microwave leakage.

The roller ring and oven cavity floor:

Wipe the bottom surface of the oven with mild detergent water or window cleaner and dry. The roller ring may be washed in mild soapy water or in the dishwasher. These areas should be kept clean to avoid excessive noise.

After GRILL or COMBINATION cooking, the oven should be cleaned with a soft cloth squeezed in soapy water. If the oven is not cleaned occasionally to eliminate this grease, it can accumulate and cause the oven to "SMOKE" during use. To avoid smoking, run the oven without food on GRILL 1 for 20 minutes.

Technical Specifications

Power Source	240 V, 50 Hz	230 V, 50 Hz
Power Consumption		
Microwave	5.8 Amps, 1,250 W	6.0 Amps, 1,230 W
Heater	7.5 Amps, 1,800 W	7.8 Amps, 1,800 W
Power Requirement (Maximum)	7.9 Amps, 1,890 W	8.2 Amps, 1,890 W
Output		
Microwave*	1,000 W	1,000 W
Heater	Apprtox. 1,800 W	Approx. 1,800 W
Outside Dimension	376 (H) x 626 (W) x 501 (D) mm	
Oven Cavity Dimensions	242 (H) x 412 (W) x 426 (D) mm	
Uncrated Weight	Approx. 22 kg	

*IEC Test procedure

Specifications subject to change without notice.

For the voltage requirement, the production month, country and serial number, please refer to the identification plate on the microwave oven.

Panasonic Warranty

1. The product is warranted for 12 months from the date of purchase. Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product without charge for parts or labour if, in the opinion of Panasonic, the product is found to be faulty within the warranty period.
2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia or its Authorised Distributors or Dealers and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to service carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when warranty service is requested.
3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
 - (a) Video or Audio Tapes
 - (b) Video or Audio Heads and Styli resulting from wear and tear in normal use
 - (c) Shaver Heads or Cutters
 - (d) Cabinet Parts
 - (e) User replaceable Batteries
 - (f) Thermal Paper, Toner/Ink Cartridges, Drums, Developer, Film (Ink/Ribbon), Film Cartridge, Printer Heads
 - (g) Microwave Oven cook plates.
 - (h) Kneader mounting shaft unit (bread bakery)
5. If warranty service is required you should:
 - Telephone Panasonic's Customer Care Centre on 132600 or visit our website and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
 - Send or bring the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
 - Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:
 - (a) Picture tube (CRT) based Television Receivers (screen sizes greater than 66cm); Rear Projection TV's; Plasma/LCD televisions / displays (screen size greater than 103 cm)
 - (b) Convection/Combination Microwave Ovens
 - (c) Whiteboard (except portable type)
6. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.

Unless otherwise specified to the consumer the benefits conferred by this express warranty are additional to all other conditions, warranties, guarantees, rights and remedies expressed or implied by the *Trade Practices Act 1974* and similar consumer protection provisions contained in legislation of the States and Territories and all other obligations and liabilities on the part of the manufacturer or supplier and nothing contained herein shall restrict or modify such rights, remedies, obligations or liabilities.

November 2005

**THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE)
SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES**

**If you require assistance regarding warranty conditions or any other enquiries,
please visit the **Panasonic Australia** website**

www.panasonic.com.au or by phone on 132 600

If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited

ACN 001 592 187 ABN 83 001 592 187

Locked Bag 505, Frenchs Forest, NSW 2086

www.panasonic.com.au