COOKOLOGY

Microwave Oven

INSTRUCTION MANUAL
MODEL:TCM20BGL

Read these instructions carefully before using your microwave oven, and keep it carefully.
If you follow the instructions, your oven will provide you with many years of good service.

SAVE THESE INSTRUCTIONS CAREFULLY

Please register the warranty for this product on www.Cookology.com

In case of any differences between the appliance and the pictures in this manual, the product shall prevail.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(a) Do not attempt to operate this oven with the door open since this can result in harmful exposure to microwave energy. It is important not to break or tamper with the safety interlocks.

(b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.

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

ADDENDUM

If the apparatus is not maintained in a good state of cleanliness, its surface could be degraded and affect the lifespan of the apparatus and lead to a dangerous situation.

Specifications

Model:	TCM20BGL
Rated Voltage:	230V~ 50Hz
Rated Input Power(Microwave):	1270W
Rated Output Power(Microwave):	800 W
Rated Input Power(Grill):	1000W
Oven Capacity:	20L
Turntable Diameter:	∅ 255mm
External Dimensions:	594X333X382mm
Net Weight:	17kg

IMPORTANT SAFETY INSTRUCTIONS

WARNING

To reduce the risk of fire, electric shock, injury to persons or exposure to excessive microwave oven energy when using your appliance, follow basic precautions, including the following:

1. Read and follow the specific: "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY".
2. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
3. Keep the appliance and its cord out of reach of children less than 8 years.
4. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
5. WARNING: Ensure that the appliance is switched off before replacing the lamp to avoid the possibility of electric shock.
6. WARNING: It is hazardous for anyone other than a competent person to carry out any service or repair operation that involves the removal of a cover which gives protection against exposure to microwave energy.
7. WARNING: Liquids and other foods must not be heated in sealed containers since they are liable to explode.
8. When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignition.
9. Only use utensils that are suitable for use in microwave ovens.
10. If smoke is emitted, switch off or unplug the appliance and keep

the door closed in order to stifle any flames.

11. Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling the container.
12. The contents of feeding bottles and baby food jars shall be stirred or shaken and the temperature checked before consumption, in order to avoid burns.
13. The oven should be cleaned regularly and any food deposits removed.
14. 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.
15. Only use the temperature probe recommended for this oven. (for ovens provided with a facility to use a temperature-sensing probe.)
16. The microwave oven must be operated with the decorative door open. (for ovens with a decorative door.)
17. This appliance is intended to be used in household and similar applications such as:
    - staff kitchen areas in shops, offices and other working environments;
    - by clients in hotels, motels and other residential type environments;
    - farm houses;
    - bed and breakfast type environments.
18. The microwave oven is intended for heating food and beverages. Drying of food or clothing and heating of warming pads, slippers, sponges, damp cloth and similar may lead to risk of injury, ignition or fire.
19. The microwave oven is intended to be used built- in.
20. Care should be taken not to displace the turntable when removing containers from the appliance. (For fixed appliances and built-

in appliances being used equal or higher than 900mm above the floor and having detachable turntables. But this is not applicable for appliances with horizontal bottom hinged door.)

21. Surface of a storage drawer can get hot.
22. WARNING: The appliance and its accessible parts become hot during use. Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.
23. During use the appliance becomes hot. Care should be taken to avoid touching heating elements inside the oven.
24. WARNING: Accessible parts may become hot during use. Young children should be kept away.
25. WARNING: When the appliance is operated in the combination mode, children should only use the oven under adult supervision due to the temperatures generated.
26. 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.
27. Metallic containers for food and beverages are not allowed during microwave cooking.
28. The appliance shall not be cleaned with a steam cleaner.
29. The appliance must not be installed behind a decorative door in order to avoid overheating. (This is not applicable for appliances with decorative door.)
30. Steam cleaner is not to be used.
31. 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.

READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

TO REDUCE THE RISK OF INJURY TO PERSONS GROUNDING INSTALLATION

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

WARNING - Improper use of the grounding can result in a risk of electric shock. Consult a qualified electrician or serviceman if the grounding instructions are not completely understood or if doubt exists as to whether the appliance is properly grounded.
If it is necessary to use an extension cord, use only a 3-wire extension cord.

DANGER

Electric Shock Hazard:
Touching some of the internal components can cause serious personal injury or death. Do not disassemble this appliance.

TO REDUCE THE RISK OF INJURY TO PERSONS GROUNDING INSTALLATION

WARNING

Electric Shock Hazard:

Improper use of the grounding can result in electric shock. Do not plug into an outlet until appliance is properly installed and grounded.

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.

2. If a long cord or extension cord is used:
   (1). The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
   (2). The extension cord must be a grounding-type 3-wire cord.
   (3). The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over unintentionally.

CLEANING

Be sure to unplug the appliance from the power supply.

1. Clean the cavity of the oven after using with a slightly damp cloth.
2. Clean the accessories in the usual way in soapy water.
3. The door frame and seal and neighbouring parts must be cleaned carefully with a damp cloth when they are dirty.
4. 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.
5. Cleaning Tip---For easier cleaning of the cavity walls that the food cooked can touch: Place half a lemon in a bowl, add 300ml (1/2 pint) water and heat on 100% microwave power for 10 minutes. Wipe the oven clean using a soft, dry cloth.

UTENSILS

CAUTION

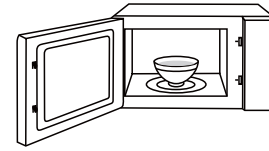
Personal Injury Hazard:

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. See the instructions on **" Materials you can use in microwave oven " or " Materials can not be used in microwave oven "**

There may be certain non-metallic utensils that are not safe to use for microwaving. If in doubt, you can test the utensil in question following the procedure below.

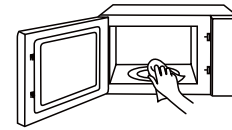
Utensil Test:

1. Fill a microwave-safe container with 1 cup of cold water (250ml) along with the utensil in question.
2. Cook on maximum power for 1 min.
3. Carefully feel the utensil. If the empty utensil is warm, do not use it for microwave cooking.
4. Do not exceed 1 min cooking time.



NOTE

KEEP THE CAVITY CLEAN



Materials you can use in microwave oven

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

Materials to be avoided in microwave oven

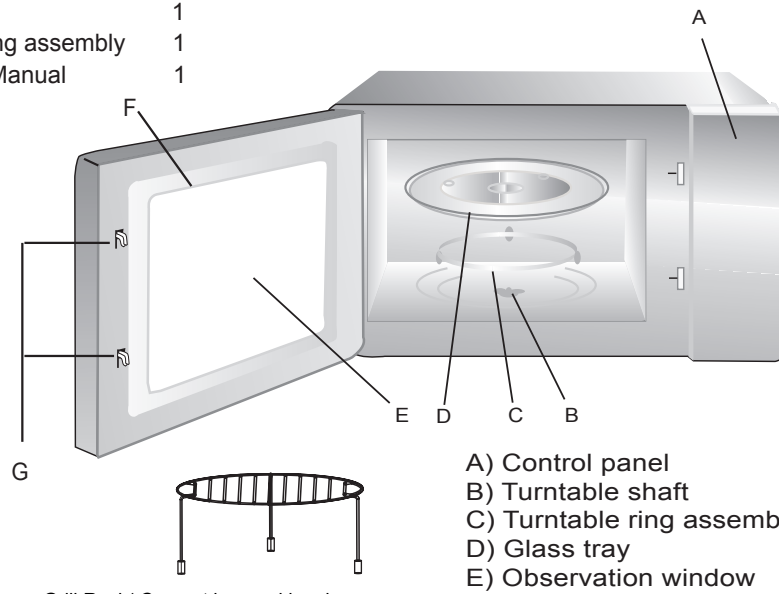
Utensils	Remarks
Aluminum tray	May cause arcing. Transfer food into microwave-safe dish.
Food carton with metal handle	May cause arcing. Transfer food into microwave-safe dish.
Metal or metal-trimmed utensils	Metal shields the food from microwave energy. Metal trim may cause arcing.
Metal twist ties	May cause arcing and could cause a fire in the oven.
Paper bags	May cause a fire in the oven.
Plastic foam	Plastic foam may melt or contaminate the liquid inside when exposed to high temperature.
Wood	Wood will dry out when used in the microwave oven and may split or crack.

SETTING UP YOUR OVEN

Names of Oven Parts and Accessories

Remove the oven and all materials from the carton and oven cavity.
Your oven comes with the following accessories:

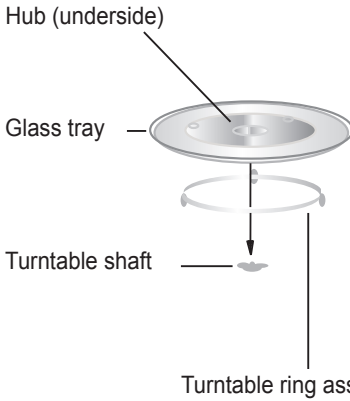
Glass tray	1
Turntable ring assembly	1
Instruction Manual	1



Grill Rack(Can not be used in microwave function and must be placed on the glass tray)

A) Control panel
B) Turntable shaft
C) Turntable ring assembly
D) Glass tray
E) Observation window
F) Door assembly
G) Safety interlock system

Turntable Installation



a. Never place the glass tray upside down. The glass tray should never be restricted.
b. Both glass tray and turntable ring assembly must always be used during cooking.
c. All food and containers of food are always placed on the glass tray for cooking.
d. If glass tray or turntable ring assembly cracks or breaks, contact your nearest authorized service center.

Installation and connection

1. This appliance is only intended for domestic use.
2. This oven is intended for built-in use only. It is not intended for counter-top use or for use inside a cupboard.
3. Please observe the special installation instructions.
4. The appliance can be installed in a 60cm wide wall-mounted cupboard.
5. The appliance is fitted with a plug and must only be connected to a properly installed earthed socket.
6. The mains voltage must correspond to the voltage specified on the rating plate.
7. The socket must be installed and connecting cable must only be replaced by a qualified electrician. If the plug is no longer to accessible following installation, an all-pole disconnecting device must be present on the installation side with a contact gap of at least 3mm.
8. Adapters, multi-way strips and extension leads must not be used. Overloading can result in a risk of fire.

The accessible surface may be hot during operation.



Installation Instruction

The following must be noted

Electrical connection

The appliance is fitted with a plug and must only be connected to a properly installed earthed socket. Only a qualified electrician who takes the appropriate regulations into account may install the socket or replace the connecting cable. If the plug is no longer accessible following installation, an all-pole isolating switch must be present on the installation side with a contact gap of at least 3 mm. Contact protection must be ensured by the installation.

Fitted units

The installation cabinet must not have a back panel behind the appliance. Minimum installation height: 850 mm.

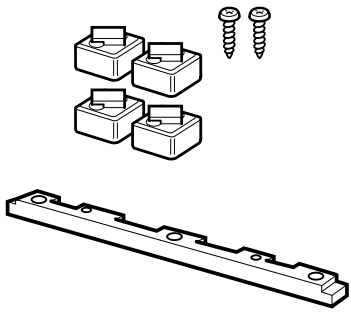
Ventilation slots and intakes must not be covered.

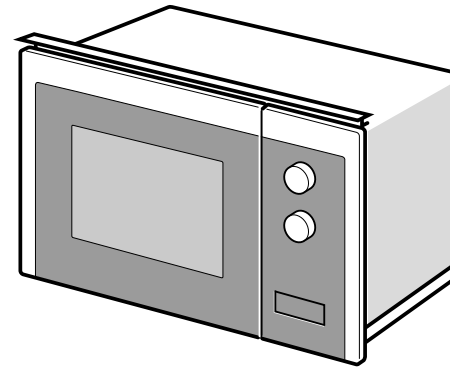
Appliance in a wall-hanging unit - Fig. 1A

Appliance in a tall unit - Fig.1B

Installing the oven - Fig. 2

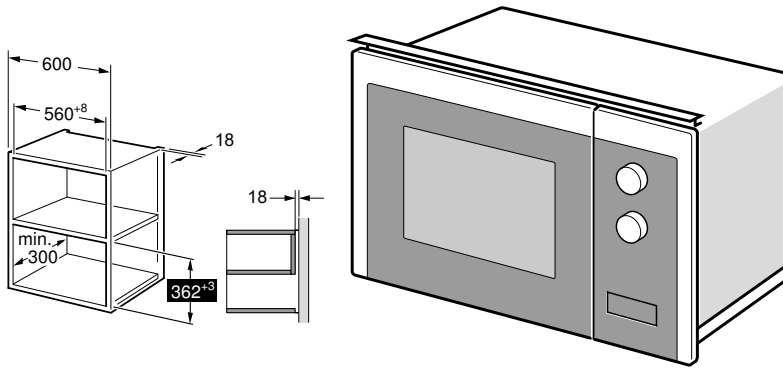
Note: Do not trap or kink the mains lead.



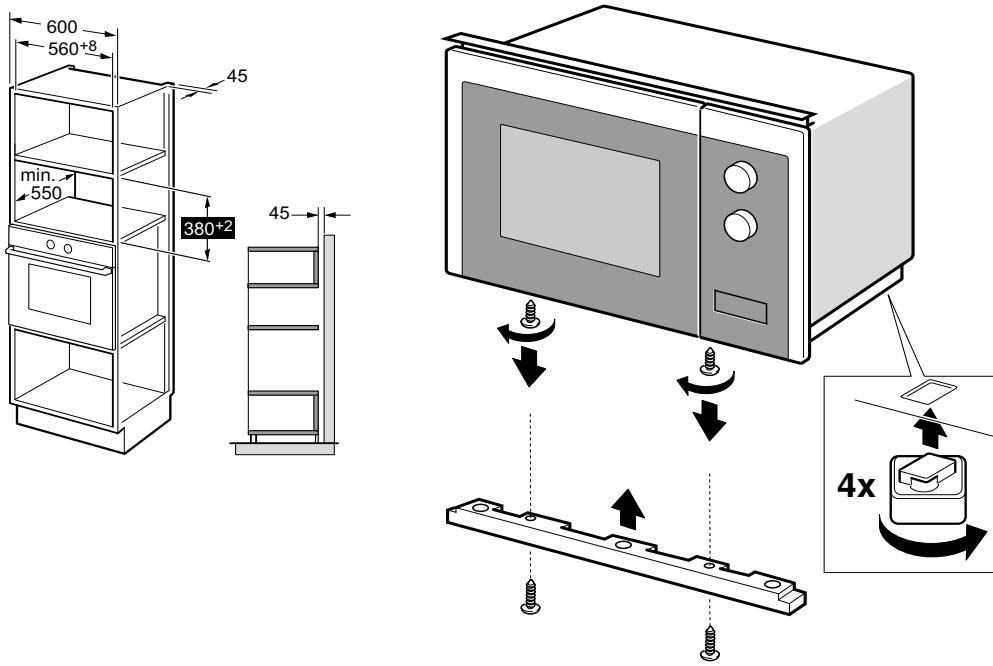


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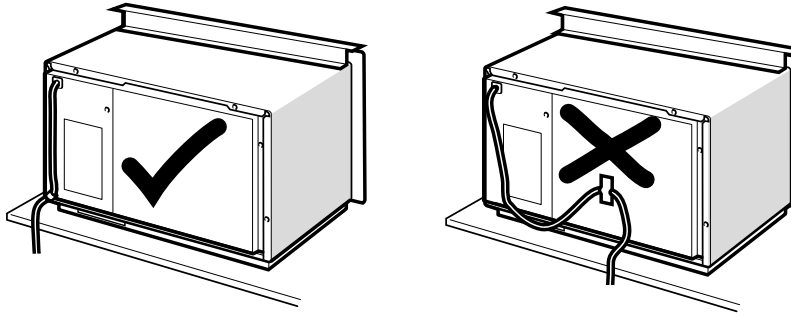
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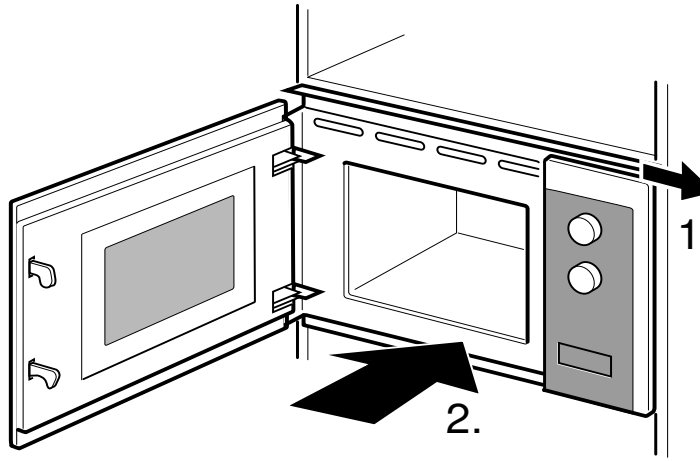


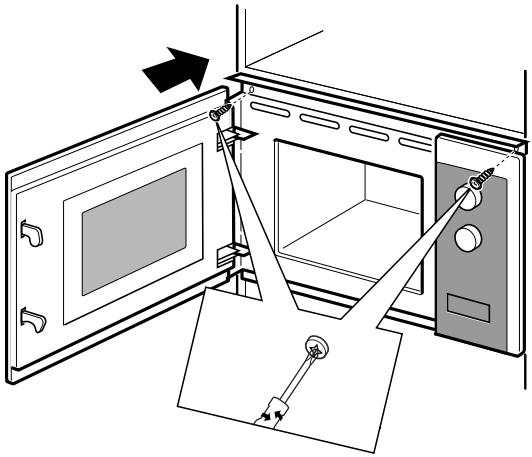
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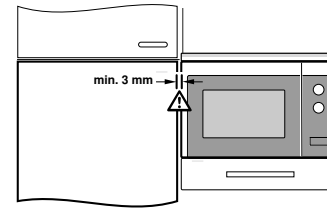
2







3.



OPERATION INSTRUCTION

This microwave oven uses modern electronic control to adjust cooking parameters to meet your needs better for cooking.

1.Clock Setting

When the microwave oven is electrified,the oven will display "0:00", buzzer will ring once. The oven will enter to waiting state.

1) Press " **Kitchen Timer/Clock** " twice, the hour figures will flash;

2) Turn "  " to adjust the hour figures,the input time should be within 0--23.

3) Press " **Kitchen Timer/Clock** " to confirm, the minute figures will flash.

4) Turn "  " to adjust the minute figures, the input time should be within 0--59.

5) Press " **Kitchen Timer/Clock** " to finish clock setting.

":" will flash. The current time will display.

Note: If the clock is not set, it would not function when powered.

2. Microwave Cooking

1) Press the " **Microwave "** key once, and "P100" will display.

2) Press " **Microwave "** repeatedly or turn "  " to select the microwave power.

"P100", "P80", "P50", "P30", "P10" will display in order.

3) Press "**Start/+30Sec./Confirm**" to confirm setting.

4)Turn "  " to adjust the cooking time. (The maximum cooking time is 95 minutes)

5) Press " **Start/+30Sec./Confirm** " to start cooking.

NOTE: the step quantities for the adjustment time of the coding switch are as follow:

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

Microwave Power Chart

Microwave Power	High	Med.High	Med.	Med.Low	Low
Display	P100	P80	P50	P30	P10

3. Grill or Combi. Cooking

Press " **Grill/Combi.** " once, the screen will display "G", and press "**Grill/Combi.**" repeatedly or turn "  " to choose the power you want, and "G","C-1" or "C-2" will display. Press " **Start/+30Sec./Confirm** " to confirm the power.

Turn "  " to set cooking time. (The maximum cooking time is 95 minutes)

Press " **Start/+30Sec./Confirm** " again to start cooking.

Example: If you want to use 55% microwave power and 45% grill power(C-1) to cook for 10 minutes, you can operate the oven as the following steps.

1) Press "**Grill/Combi.** " once, the screen displays "G".

2) Continue to press "**Grill/Combi.** " until the screen displays "C-1".

3) Press "**Start/+30Sec./Confirm**" to confirm.

4) Turn "  " to adjust the cooking time until the oven displays "10:00".

5) Press "**Start/+30Sec./Confirm**" to start cooking.

Combination Power instructions:

Program	Display	Microwave Power	Grill Power
Grill	G	0%	100%
Combi.1	C-1	55%	45%
Combi.2	C-2	36%	64%

Note:If half the grill time passes, the oven sounds twice, and this is normal. In order to have a better effect of grilling food, you should turn the food over, close the door, and then press" **Start/+30Sec./Confirm** " to continue cooking. If no operation, the oven will continue working.

4. Defrost By Weight

1) Press " **Weight Defrost**" once, the screen will display "dEF1".

2) Turn "  " to select the food weight. The range of weight is 100-2000g.

3) Press " **Start/+30Sec./Confirm** " key to start defrosting.

Note: If half the defrost time passes, the oven sounds twice, and this is normal. In order to have a better effect of defrosting, you should turn the food over, close the door, and then press" **Start/+30Sec./Confirm** " to continue cooking. If no operation, the oven will continue working.

5. Defrost By Time

1) Press " **Time Defrost** " once, the screen will display "dEF2".

2) Turn "  " to select the cooking time.The maximum time is 95 minutes.

3) Press " **Start/+30Sec./Confirm** " key to start defrosting.

Note: If half the defrost time passes, the oven sounds twice, and this is normal. In order to have a better effect of defrosting, you should turn the food over, close the door, and then press " **Start/+30Sec./Confirm** " to continue cooking. If no operation, the oven will continue working.

6.Multi-Stage Cooking

2 stages can be maximumly set. If one stages is defrosting, it should be put in the first stage automatically. The buzzer will ring once after each stage and the next stage will begin.
Note: Auto menu and speedy cooking cannot be set as one of the multi-stage.

Example: if you want to defrost the food for 5 minutes, then to cook with 80% microwave power for 7 minutes. The steps are as following:

1) Press " **Time Defrost** " once, the screen will display "dEF2".

2) Turn "  " to adjust the defrost time of 5 minutes;

3) Press "**Microwave**" once, the screen will display "P100".

4) Press "**Microwave**" repeatedly to choose microwave power till "P80" displays;

5) Press "**Start/+30Sec./Confirm** " to confirm.

6) Turn "  " to adjust the cooking time of 7 minutes;

7) Press " **Start/+30Sec./Confirm** " to start cooking.

7. Kitchen Timer

1) Press " **Kitchen Timer/Clock** " once, the screen will display " 00:00 " .

2) Turn "  " to enter the correct timer.

(The maximum cooking time is 95 minutes)

3) Press "**Start/+30Sec./Confirm**" to confirm setting.

4) When the kitchen time is reached, the buzzer will ring 5 times.

If the clock has been set(24-hour system), the screen will display the current time.

Note: The kitchen Time is different from 24-hour system. Kitchen Timer is a timer.

8. Auto Menu

1) In waiting state, turn"  " right to choose the menu .

2) Press " **Start/+30Sec./Confirm** " to confirm the menu you choose.

3) Turn "  " to choose the the weight of food.

4) Press " **Start/+30Sec./Confirm** " to start cooking.

The menu chart:

Menu	Weight	Power
Pizza	200 g	100%(Mic.)
	400 g	
Meat	250 g	100%(Mic.)
	350 g	
	450 g	
Vegetable	200 g	100%(Mic.)
	300 g	
	400 g	
Pasta	50g(with 450g cold water)	80%(Mic.)
	100g(with 800g cold water)	
Potato	200 g	100%(Mic.)
	400 g	
	600 g	
Fish	250 g	80%(Mic.)
	350 g	
	450 g	
Beverage	1cup (about 120ml)	100%(Mic.)
	2cups (about 240ml)	
	3cups (about 360ml)	
Popcorn	50 g	100%(Mic.)
	100 g	

9. Speedy Cooking

1) In waiting state, press " **Start/+30Sec./Confirm** " key to cook with 100% power level for 30 seconds. Each press on the same key can increase 30 seconds. The maximum cooking time is 95 minutes.

2) During the microwave,grill,combination cooking and the defrost by time process, press " **Start/+30Sec./Confirm** " to increase the cooking time.

3) Under the states of auto menu and defrost by weight, cooking time cannot be increased by pressing" **Start/+30Sec./Confirm** ".

4) In waiting state, turn "  " left to choose the cooking time. After adjusting the cooking time, press" **Start/+30Sec./Confirm** " to start microwave cooking with 100% power lever.

10. Lock Function for Children

Lock: In waiting state, press " **STOP/Clear** " for 3 seconds to enter the children-lock state and the current time will display if the time has been set, otherwise, the screen will display " [: :] ".

Lock quitting: In locked state, press "**STOP/Clear** " for 3 seconds, the lock is released.

11. Inquiring Function

1) In cooking states of microwave or grill and combination. Press " **Microwave**" or " **Grill/Combi.**" , the current power will be displayed for 3 seconds.

2) If the clock has been set , during cooking state, press "**Kitchen Timer/Clock** " to check the current time. It will be displayed for 3 seconds.

12. Specification

1) If the door is opened in the process of cooking, close the door and then press "**Start/+30Sec./Confirm**" to continue cooking.

2) Once the cooking programme has been set , "**Start/+30Sec./Confirm** " is not pressed in 1 minutes. The current time will be displayed. The setting will be cancelled.

3) The buzzer sounds once by efficient press, inefficient press will be no responce.

Trouble shooting

Normal	
Microwave oven interfering TV reception	Radio and TV reception may be interfered when microwave oven operating. It is similar to the interference of small electrical appliances, like mixer, vacuum cleaner, and electric fan. It is normal.
Dim oven light	In low power microwave cooking, oven light may become dim. It is normal.
Steam accumulating on door, hot air out of vents	In cooking, steam may come out of food. Most will get out from vents. But some may accumulate on cool place like oven door. It is normal.
Oven started accidentally with no food in.	It is forbidden to run the unit without any food inside. It is very dangerous.

Trouble	Possible Cause	Remedy
Oven can not be started.	(1) Power cord not plugged in tightly.	Unplug. Then plug again after 10 seconds.
	(2) Fuse blowing or circuit breaker works.	Replace fuse or reset circuit breaker (repaired by professional personnel of our company)
	(3) Trouble with outlet.	Test outlet with other electrical appliances.
Oven does not heat.	(4) Door not closed well.	Close door well.



According to Waste of Electrical and Electronic Equipment (WEEE) directive, WEEE should be separately collected and treated. If at any time in future you need to dispose of this product please do NOT dispose of this product with household waste. Please send this product to WEEE collecting points where available.

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Please register the warranty for this product on www.Cookology.com