



Microwave Oven

INSTRUCTION MANUAL



IMPORTANT SAFETY INSTRUCTIONS

READ CAREFULLY AND KEEP FOR FUTURE REFERENCE

If you follow the instructions, your oven will provide you with many years of good service.


SAVE THESE INSTRUCTIONS CAREFULLY



Model: BDMOW012XE

Cat.No.: EM823AAE

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.

Additional safety instructions for Australia and New Zealand

- a) **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure they do not play with this appliance.
- b) **Replacement of the supply cord.** If the supply cord is damaged, it must be replaced by the manufacturer or an authorised Black & Decker Service Centre in order to avoid a hazard.

Specifications

Model:	BDMOW012XE
Rated Voltage:	230V~50Hz
Rated Input Power(Microwave):	1250W
Rated Output Power(Microwave):	800W
Oven Capacity:	23L
Turntable Diameter:	Ø270mm
External Dimensions(LxWxH):	485×395×287mm
Net Weight:	Approx. 13.2 kg

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. **Warning:** Liquids and other foods must not be heated in sealed containers since they are liable to explode.
- ⚠2. **Warning:** It is hazardous for anyone other than a competent person to remove a cover which gives protection against exposure to microwave energy.
- ⚠3. **Warning:** Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understand the hazards of improper use.
- ⚠4. **Warning:** When the appliance is operated in the combination mode, children should only use the oven under adult supervision due to the temperatures generated. (only for grill series)
5. Only use utensils suitable for use in microwave ovens.
6. The oven should be cleaned regularly and any food deposits should be removed.
7. Read and follow the specific: "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY".
8. When heating food in plastic or paper containers, keep an eye on the oven due to the possibility of ignition.
9. If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames.
10. Do not overcook food.
11. Do not use the oven cavity for storage purposes. Do not store items, such as bread, cookies, etc. inside the oven.
12. Remove wire twist-ties and metal handles from paper or plastic containers/bags before placing them in the oven.
13. Install or locate this oven only in accordance with the installation instructions provided.
14. Eggs in the shell and whole hard-boiled eggs should not be heated in microwave ovens since they may explode, even after microwave heating has ended.
15. Use this appliance only for its intended uses as described in manual. Do not use corrosive chemicals or vapors in this appliance. This oven is especially designed to heat. It is not designed for industrial or laboratory use.
16. If the supply cord is damaged, it must be replaced by the manufacture, its service agent or similarly qualified persons in order to avoid a hazard.
17. Do not store or use this appliance outdoors.
18. Do not use this oven near water, in a wet basement or near a swimming pool.
19. The temperature of accessible surfaces may be high when the appliance is operating. Keep cord away from heated surface, and do not cover any events on the oven.
20. Do not let cord hang over edge of table or counter.
21. 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.
22. 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.
23. Microwave heating of beverages can result in delayed eruptive boiling, therefore take care when handling the container.

To Reduce the Risk of Injury to Persons

Grounding Installation

DANGER

Electric Shock Hazard

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

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.

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.

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.

CLEANING

Be sure to disconnect the oven from the power supply.

1. Clean the inside 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.

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 set 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 long 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.

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 to be avoided 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 minute.
3. Carefully feel the utensil. If the empty utensil is warm, do not use it for microwave cooking.
4. **Do not exceed 1 minute cooking time.**

Materials you can use in microwave oven

Utensils Remarks

Aluminum foil	Shielding only. Small smooth pieces can be used to cover thin parts of meat or poultry to prevent overcooking. Arcing can occur if foil is too close to oven walls. The foil should be at least 1 inch (2.5cm) away from oven walls.
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

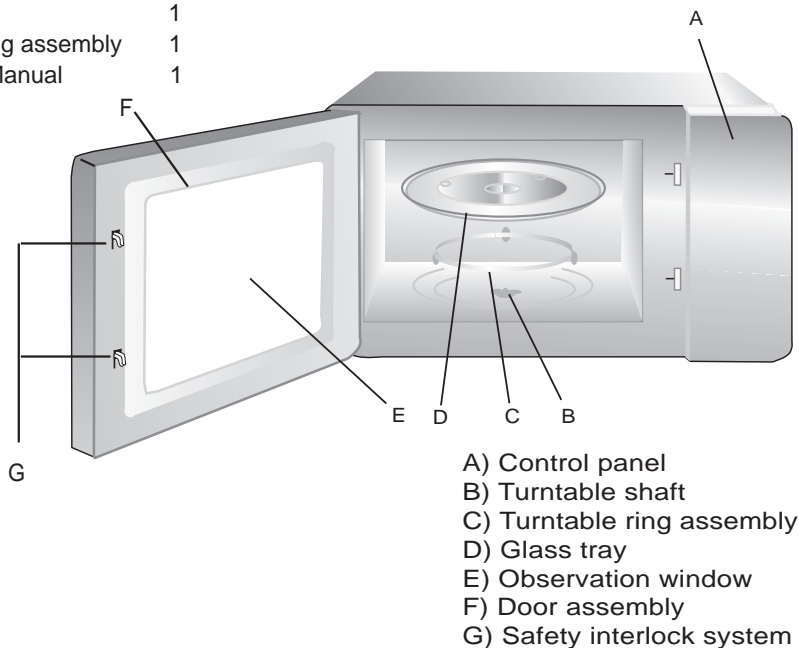
Utensils Remarks	
Aluminum tray	May cause arcing. Transfer food into microwave-safe dish.
Food carton with metal handle	May cause arcing. Transfer food into microwave-safe dish.
Metal or metal-trimmed utensils	Metal shields the food from microwave energy. Metal trim may cause arcing.
Metal twist ties	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

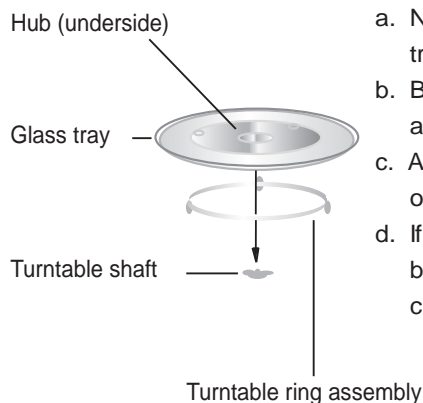
Remove the oven and all materials from the carton and oven cavity.
Your oven comes with the following accessories:

- Glass tray 1
- Turntable ring assembly 1
- Instruction Manual 1



Shut off oven power if the door is opened during operation.

Turntable Installation



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

Countertop Installation

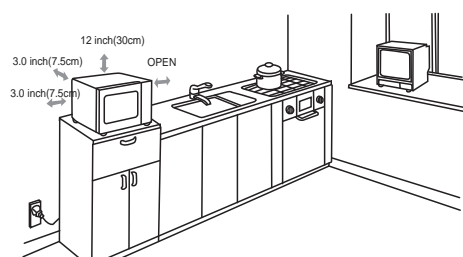
Remove all packing material and accessories. Examine the oven for any damage such as dents or broken door. Do not install if oven is damaged.

Cabinet: Remove any protective film found on the microwave oven cabinet surface.

Do not remove the light brown Mica cover that is attached to the oven cavity to protect the magnetron.

Installation

1. Select a level surface that provide enough open space for the intake and/or outlet vents.



A minimum clearance of 3.0 inches (7.5cm) is required between the oven and any adjacent walls. One side must be open.

- (1) Leave a minimum clearance of 12 inches (30cm) above the oven.
- (2) Do not remove the legs from the bottom of the oven.

- (3) Blocking the intake and/or outlet openings can damage the oven.
- (4) Place the oven as far away from radios and TV as possible. Operation of microwave oven may cause interference to your radio or TV reception.
2. Plug your oven into a standard household outlet. Be sure the voltage and the frequency is the same as the voltage and the frequency on the rating label.

WARNING: Do not install oven over a range cooktop or other heat-producing appliance. If installed near or over a heat source, the oven could be damaged and the warranty would be void.

Operation Instructions

1. Clock Setting

When the microwave oven is electrified, the oven will display "0:00".

The input time should be within 0:00--23:59;

Example: To set 8:00 .

- (1) Press the "**CLOCK/PRE-SET**" button, and the hour figures will flash.
- (2) Press the number buttons of "8", "0", "0" in order.
- (3) Press "**CLOCK/PRE-SET**" to finish clock setting, and the time will light.

Note: In the process of clock setting, if "**STOP**" is pressed or if there is no operation within 1 minute, the oven will go back to the previous status automatically.

2. Delay Start

Example: to start a cooking at 12:12.

- (1) Set the clock first. (Consult the instruction of clock setting.)
- (2) Set the cooking program wanted(defrost should not be set here);
- (3) Press "**CLOCK/PRE-SET**" to display the current clock, and the hour figures will flash;
- (4) Press "1", "2", "1", "2" in order;
- (5) Press "**START/SPEED COOK**" to confirm the setting. The unit will turn back to the clock state.
- (6) Cooks begin when the time arrives.

Note: (1) If the setting is not within the range of 0:00--23:59, the setting will be invalid;
(2) In the process of setting, if "**STOP**" is pressed or there is no operation within 1 minute, the unit will go back to the previous state automatically;
(3) The clock must be set before the delay start cooking. If the pre-set cooking has not been programmed and only time to start cooking is set, the whole set will be regarded as an alarm clock setting and 5 beeps will be sound when the pre-set time is reached.

3. Microwave Cooking

Select different microwave power level and set cooking time as you wish. There are five power levels available for choosing. Refer to Chart 1. The maximum microwave cooking time is 99 minutes and 99 seconds. Keep on pressing "**POWER LEVEL**" to choose the power wished.

Microwave Power Chart

Press"POWER LEVEL"	Microwave Power	Display
Once	100%	P100
Twice	80%	P 80
3 times	50%	P 50
4 times	30%	P 30
5 times	10%	P 10

Example: Choose 50% power for cooking 10 minutes.

- (1) Press "**POWER LEVEL**" thrice.
- (2) Press the numeral buttons of "1", "0", "0", "0" in order;
- (3) Press "**START/SPEED COOK**" to start cooking, the time will count down, and ":" will flash.

4. Speedy Cooking:

When the unit is in waiting state, the press on "**START/SPEED COOK**" can start cooking at 30 seconds with 100% microwave power. Each additional press will increase the cooking time by 30 seconds until the accrued time reaches 1 minute 30 seconds or less. By then, each press will increase cooking time by 1 minute, the maximum cooking time is 12 minutes.

Example: Set 3 minutes speedy cooking:

- (1) Press "**START/SPEED COOK**" once to start cooking, and the oven will display "0:30".
- (2) And the cooking time will count down.
- (3) Press " **START/SPEED COOK**" again for 4 times, the cooking time will be 3 minutes.

5. Defrost By Weight

Example: Defrost beef of 500g:

- (1) Press "**DEFROST BY WEIGHT**", and the oven will display "dEF1".
- (2) Press "5", "0", "0" in order, and the range of defrosting weight is 100g-2000g.
- (3) Press "**START/SPEED COOK**" to start defrosting, and the cooking time will count down.

6. Speedy Defrost

Example: Defrost beef of 500g

- (1) Press "**SPEED DEFROST**", and the oven will display "dEF2".
- (2) Press "5" "0" "0" in order, and the range of defrosting weight is 100g-1200g.
- (3) Press "**START/SPEED COOK**" to start defrosting, and the cooking time will count down.

7. Auto Menu Cooking

The numeral pads 1—9 are matching with nine different subjects respectively;

Pad	Display	Cook	Pad	Display	Cook	Pad	Display	Cook
1	A-1	Auto Reheat	4	A-4	Meat	7	A-7	Pizza
2	A-2	Vegetable	5	A-5	Pasta	8	A-8	Soup
3	A-3	Fish	6	A-6	Potato	9	A-9	Porridge

Example: Cook vegetable of 350g:

- (1) Press "**VEGETABLE**" button.
- (2) Press "**VEGETABLE**" twice to choose weight, and the oven will display "350".
- (3) Press "**START/SPEED COOK**" to start cooking, and the cooking time will count down.

Refer to chart 2 for the automatic menu procedure:

Chart 2:

Menu	Weight(g)	Order	Display
A-1 Auto Reheat	150	1	150
	250	2	250
	350	3	350
	400	4	400
A-2 Vegetable	150	1	150
	350	2	350
	500	3	500
A-3 Fish	150	1	150
	250	2	250
	350	3	350
	400	4	400
	450	5	450
A-4 Meat	150	1	150
	300	2	300
	450	3	450
	600	4	600
A-5 Pasta	50(with cold water 450g)	1	50
	100(with cold water 800g)	2	100
	150(with cold water 1200g)	3	150
A-6 Potato	1(approximately 200g)	1	1
	2(approximately 400g)	2	2
	3(approximately 600g)	3	3
A-7 Pizza	1(approximately 80g)	1	1
	2(approximately 160g)	2	2
	3(approximately 250g)	3	3
A-8 Soup	500	1	500
	750	2	750
	1000	3	1000
A-9 Porridge	550	1	550
	1100	2	1100

8. Inquiring Function

- (1) In one stage cooking state, press "**POWER LEVEL**", the current microwave power will be displayed for 3 seconds. After three seconds, the oven will turn back to the former state;
- (2) In pre-set state, press "**CLOCK/PRE-SET**" to inquire the time for delay start cooking. The pre-set time will flash for 2-3 seconds, then the oven will turn back to the clock display.
- (3) In cooking state, press "**CLOCK/PRE-SET**" to inquire the current time. The current time will flash for 2-3 seconds. Then turn back to the former state.

9. Multi-section cooking


At most 2 sections can be set for cooking. In multi-section cooking, if one section is defrosting, then defrosting shall be placed in the first section.

Note: Auto cooking can not work in the multi-section cooking.

Example: If you want to cook the food with 100% microwave power for 10 minutes+ 80% microwave power for 15 minutes. Do it as following:

- 1) Press "**POWER LEVEL**" once to choose 100% microwave power;
- 2) Press number keys "1","0","0","0" in order to adjust the cooking time;
- 3) Press "**POWER LEVEL**" twice to choose 80% microwave power;
- 4) Press number keys "1","5","0","0" in order to adjust the cooking time;
- 5) Press "**START/SPEED COOK**" to start cooking.

10. Lock-out Function for Children

Lock: In waiting state, press "**STOP**" for 3 seconds, there will be a long beep denoting entering the children-lock state and the oven will display " ".

Lock quitting: In locked state, press "**STOP**" for 3 seconds, there will be a long beep denoting that the lock is released, and the oven will turn back to the normal state.

11. Cooking End Reminding Function

When cooking ends, there will be 5 beeps which is reminding the completion of cooking.

12. Display Specification

- (1) In waiting state, the oven will display clock and " : " will flash.
- (2) In function setting state, the oven will display the related setting.
- (3) In the operation and suspending state, the oven will display the residual cooking time.

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.
Glass turntable makes noise when microwave oven operates	(5) Dirty roller rest and oven bottom.	Refer to "Maintenance of Microwave" to clean dirty parts.

This appliance has a 2 year replacement guarantee offered by BLACK & DECKER AUSTRALIA and BLACK & DECKER NEW ZEALAND
Please refer to the enclosed guarantee card.