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20PM-MEC2/20PM-MEC2B

User Manual

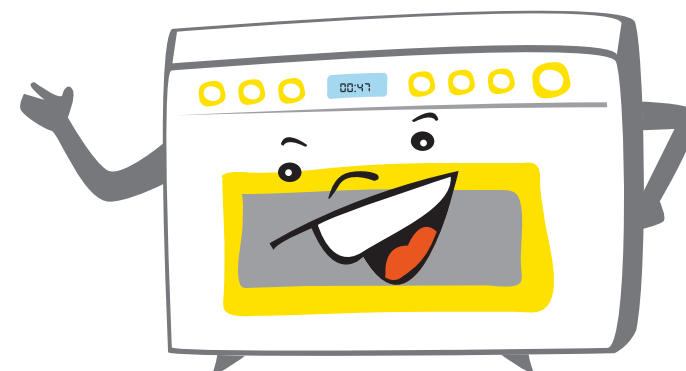
IFB
Set Yourself Free



Read these instructions carefully before using your microwave oven. Keep this user manual for future reference. Following the instructions will ensure your appliance provides you many years of good service.

Welcome to the IFB Family

Here's to your freedom!



The A to Z of your microwave oven

SETTING UP YOUR OVEN

Remove the oven and all materials from the carton and oven cavity.

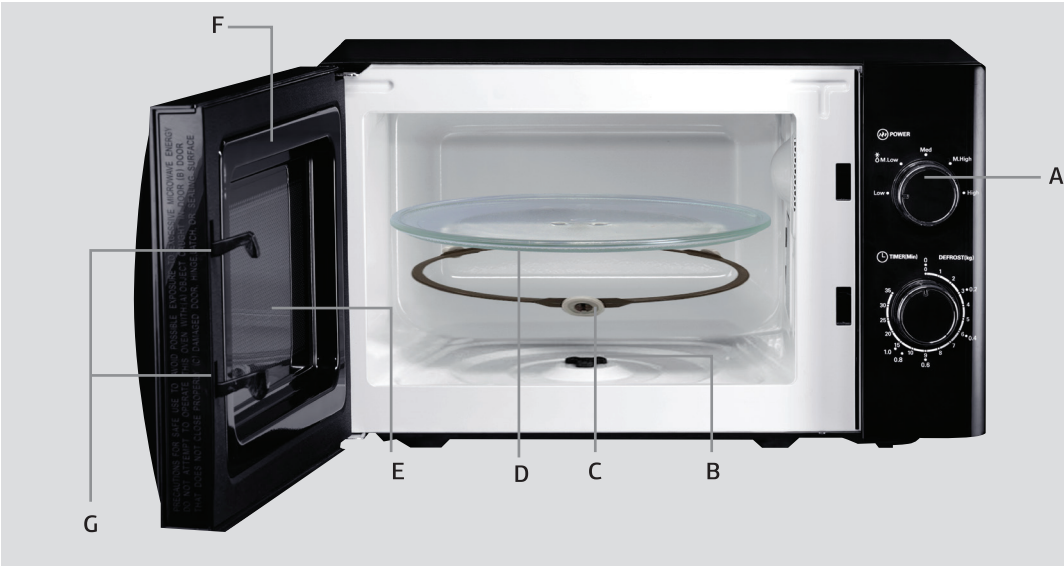
Names of Accessories

Your oven comes with the following accessories

- Glass Tray 1
- Turntable Ring Assembly 1
- User Manual 1

TURNTABLE INSTALLATION

- A Never place the Glass Tray upside down. The Glass Tray should never be restricted.
- B Both the Glass Tray and Roller Ring must always be used when using the oven.
- C Always place food or food containers on the Glass Tray for cooking.
- D If the Glass Tray or Roller Ring crack or break, contact IFB Care.



- A Control Panel
- B Turntable Shaft
- C Roller Ring
- D Glass Tray (Turntable)
- E Observation Window
- F Door Assembly
- G Safety Interlock System

Note The images used in this User Manual are purely representational and may differ from the actual product.

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The A to Z of your microwave oven



OPERATION

Control panel and features

- 1 Set the cooking power by turning the Power Knob to the desired level.
- 2 Set the cooking time by turning the Timer Knob to the desired time.
- 3 The microwave oven will automatically start cooking after the power level and time are set.
- 4 After the cooking time is over, the appliance will beep and stop.
- 5 When the unit is not in use, always set the cooking time to '0'.

Note If the cooking time required is less than 1 min—rotate the timer knob to over 1 min and position it to the desired time.

Power	Output	Application
Low	17%	Soften butter, refresh cold food or soggy munchies
Medium Low (Defrost)	33%	Defrost frozen ready to eat food, frozen marinated chicken, frozen vegetables, frozen Indian breads
Medium	55%	Reheat soups, veg/non-veg curries, milk etc
Medium High	77%	Cook chicken, fish, ground meat
High	100%	Boil water, make tea or coffee, cook rice and pulaos, make tadkas and dry subjis

Note When removing food from the microwave oven, please ensure that the power is switched OFF by turning the Timer Knob to 0 (zero). Failure to do so, and operating the microwave oven without food in it, can result in overheating and damage to its magnetron.



PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- a Do not attempt to operate this microwave oven with its door open as 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 microwave oven's 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 microwave oven must not be operated until it has been repaired by a competent person.

NOTE If the appliance apparatus is not regularly cleaned, it could shorten its lifespan and lead to usage hazards.

Specific Actions

Kindly use IFB Microclean or a food grade surface cleaner. Spray it on the soiled surface, cavity, turntable shaft area etc and leave it to work for 10 min. Wipe the surface with a damp cloth or dry tissue paper. Completely dry the cavity before use.



IMPORTANT SAFETY INSTRUCTIONS

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

- 1 Refer the section 'Precautions to Avoid Possible Exposure to Excessive Microwave Energy'.
- 2 This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised, instructed concerning use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance should not be done by children unless they are older than 8 years of age and supervised.
- 3 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 (for appliances with type Y attachments).
- 4 WARNING: Ensure that the appliance is switched OFF before replacing the lamp to avoid the possibility of electric shock.
- 5 WARNING: It is hazardous for anyone other than a competent person to carry out any service or repair of the appliance involving the removal of the protective cover that guards against exposure to microwave energy.
- 6 WARNING: Beverages and food must not be heated in sealed containers as they are likely to explode.
- 7 Be careful when heating food in plastic or paper containers, as they may ignite.



- 8 Always use food containers that are suitable for use with microwave ovens.
- 9 If smoke is emitted, switch OFF or unplug the appliance and keep the door shut in order to stifle any flames.
- 10 Microwave heating of beverages can result in delayed eruptive boiling, therefore care must be taken when handling containers.
- 11 The contents of feeding bottles and baby food jars should be stirred or shaken and their temperatures checked before consumption, in order to avoid scalding. Eggs in their shells and hard boiled eggs should not be heated in the microwave oven as they may explode, sometimes even after the heating time is over.
- 12 The microwave oven should be cleaned regularly and any food residue removed.
- 13 The appliance must not be installed behind a decorative door in order to avoid overheating. (This does not include microwave ovens that are factory fitted with decorative doors.) Only use the temperature probe provided with the microwave oven.
- 14 The microwave oven should not be placed in a cabinet unless it has been tested in that cabinet.
- 15 This appliance is intended for domestic use, for such household applications as:
 - Staff kitchen areas in shops, offices and other working environments
 - Clients in hotels, motels and other residential type environments
 - Farmhouses
 - Bed and breakfast type environments



- 16 This microwave oven is intended for heating food and beverages. Drying of clothing and heating of warming pads, slippers, sponges, damp cloths and similar items may lead to injury or fire.
- 17 Metallic containers are not suitable for microwave cooking.
- 18 The appliance is intended to be used as a freestanding unit.
- 19 The rear surface of the appliance should be placed against a wall.

Read carefully and keep for future reference



CONTENTS



Note The images used in this User Manual are purely representational and may differ from the actual product.

	Page No
Setting up your oven	02
Turntable installation	03
Control panel and features	04
Precautions to avoid possible exposure to excessive microwave energy	06
Chapter 1 Safety instructions	12
Chapter 2 Materials you can use in the microwave oven	14
Counter-top installation	16
Chapter 3 Troubleshooting	18
Technical specifications	19
Warranty Card	21

Safety instructions

DANGER

Touching the internal components of the appliance can lead to serious injury or death. **Do not disassemble this appliance.**

WARNING

Improper earthing can result in electric shock. Do not plug the microwave oven into an outlet until it is properly installed and earthed.

This appliance must be earthed. In the event of an electrical short circuit, earthing reduces the risk of electric shock by providing an escape route for the electric current.

This appliance is equipped with a cord that has an earthing wire and plug. The cord must be plugged into an outlet that is properly installed and earthed. Consult a qualified electrician or serviceman if the earthing instructions are not completely understood or if any doubt exists as to whether the appliance is properly earthed. If it is necessary to use an extension cord, use only a 3-wire extension cord.

- 1 A short power supply cord is provided to reduce the risk of tripping over a longer cord.
- 2 If a long cord set or extension cord is used:
 - a The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
 - b The extension cord must be an earthing-type 3-wire cord.
 - c The long cord should be arranged so that it does not snake across the tabletop where it can be played with by children.

CLEANING

First unplug the appliance from the power supply.

- 1 Clean the cavity of the microwave oven with a damp cloth.
- 2 Clean the accessories as usual using soapy water.
- 3 The door frame, seal and surrounding parts must be carefully cleaned with a damp cloth.
- 4 Do not use abrasive cleaners or sharp metal scrapers to clean the door glass as they can scratch the surface, resulting in it shattering.
- 5 Easily clean the microwave oven's cavity: place half a lemon in a bowl, add 300 ml of water and heat at 100% power for 10 min. Wipe the oven clean using a soft, dry cloth.

Refer to the section 'Materials you can use in the microwave oven' and those to be avoided. There may be certain non-metallic containers that are not safe for use. If in doubt, you can test the container in the following way:

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

2

Materials you can use in the microwave oven

CONTAINERS	REMARKS
Browning Dish	Refer to the manufacturer's instructions. The bottom of the browning dish must be at least 5 mm above the turntable. Incorrect usage may cause the turntable to break.
Dinnerware	Microwave safe only. Follow the manufacturer's instructions. Do not use cracked or chipped dishes.
Glass Jars	Always remove the 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	Use for short-term cooking or warming only. Do not leave the oven unattended while cooking.
Paper Plates and Cups	Use to cover food for reheating and absorbing fat, with supervision for short-term cooking only.
Paper Towels	Use as a cover to prevent splattering or a wrap for steaming.
Parchment	Follow the manufacturer's instructions. Should be labelled 'Microwave Safe'.
Plastic	Some plastic containers soften, as the food inside them gets hot. Boiling bags and tightly closed plastic bags should be slit, pierced or vented as directed on the package.

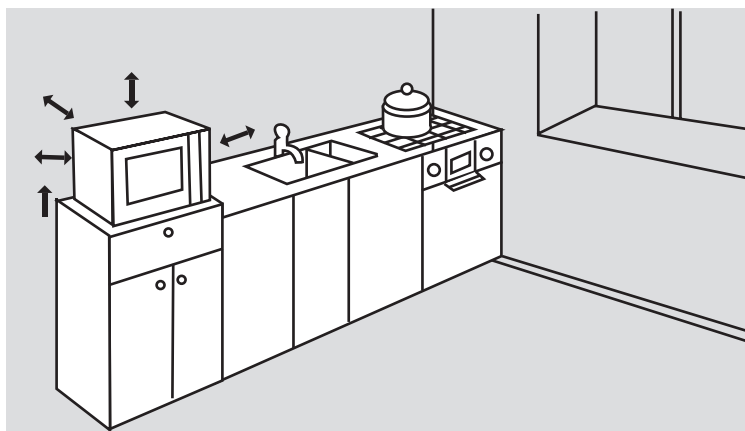
CONTAINERS	REMARKS
Plastic Wrap	Do not allow plastic wrap to touch food.
Thermometers	Microwave safe only (meat and candy thermometers).
Wax Paper	Use as a cover to prevent splattering and retain moisture.
Aluminium Tray	May cause sparking. Transfer food into a microwave safe dish.
Food Carton with Metal Handle	May cause sparking. Transfer food into a microwave safe dish.
Metal or Metal-trimmed Containers	Metal shields the food from microwave energy. Metal trim may cause sparking and lead to a fire.
Plastic Foam	Plastic foam may melt or contaminate the liquid inside when exposed to high temperatures.
Wood	Wood will dry out when used in the microwave oven and may split.

2

Counter-top installation

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

Remove the protective film from the microwave oven's cabinet. Do not remove the light brown Mica cover that is attached to the oven cavity to protect the magnetron.



- 1 Select a level surface that provides enough space for the intake and/or outlet vents.
- 2 The minimum installation height is 85 cm.
- 3 The rear surface of appliance should be placed against a wall. Leave a minimum clearance of 30 cm above the oven. A minimum clearance of 20 cm is required between the oven and any adjacent walls.
- 4 Do not remove the legs from the bottom of the oven.
- 5 Blocking the intake and/or outlet vents can damage the oven.

- 6 Place the microwave oven as far away from radios and TVs as possible as they may cause interference.

- 7 Plug your oven into a standard power outlet. Be sure the voltage and frequency are the same as mentioned on the rating label.

WARNING: Do not install the microwave oven over a range cooktop or any other heat producing appliance. It may damage the appliance and void the warranty.

The accessible surface may heat up during operation.



Troubleshooting

Problem	Solution
Microwave oven interfering with radio and TV reception.	Radio and TV reception may interfere with the microwave oven's operation. It is similar to the interference of small electrical appliances such as mixers, vacuum cleaners and electric fans. This is normal.
Dim microwave oven light.	During low power microwave cooking, the light may become dim. This is normal.
Steam accumulating on door, hot air out of vents.	During cooking, steam may rise from food. Most of it will be vented. But some of it may accumulate in cooler places like the inner door. This is normal.
Microwave oven started accidentally with no food in it.	It is dangerous to run the microwave oven without food inside it.

Problem	Possible Cause	Solution
Microwave oven does not start.	Power cord not plugged in tightly.	Unplug and replug after 10 secs.
	Fuse blown or circuit breaker engaged.	Replace the fuse or reset the circuit breaker
	Problem with power outlet.	Test the outlet with other electrical appliances.
Microwave oven does not heat.	Door not closed properly.	Close the door properly.

According to the Waste of Electrical and Electronic Equipment (WEEE) directive, WEEE should be separately collected and treated. When you need to dispose of this product, DO NOT dispose of it with household waste. Please send it to a WEEE collection point.

Technical specifications

Model	20PM-MEC2 20PM-MEC2B
Power Supply	230 V, single phase, 50 Hz
Dimensions (W x H x D)	
Exterior	440 x 259 x 340 mm
Cavity	303 x 213 x 316 mm
Net Weight	10.3 Kg
Capacity	20 Litres (IEC 60705 standard)
Cavity Type	Powder coated
Rated Microwave Power Output	700 W
Power Consumption (Max)	1100 W (IEC 60705 standard)



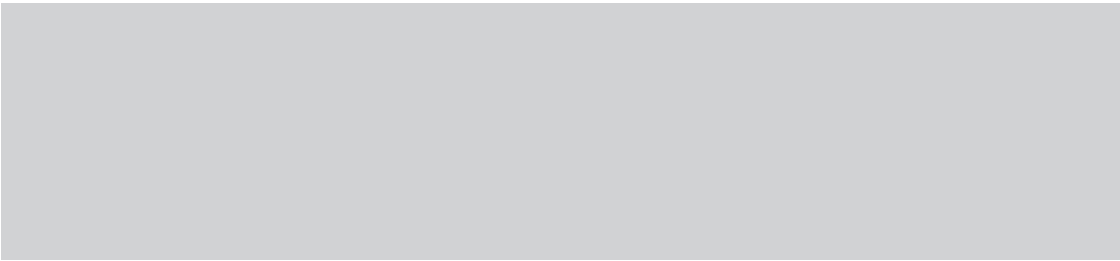
Warranty Card

IFB Industries Limited, (the Company) warrants to the original domestic purchase of this microwave oven (appliance) that it is free from defects in workmanship and materials. During 12 months from the date of purchase, all parts of the microwave oven; and during 36 months from the date of purchase, the magnetron and cavity; shall be replaced or repaired free of charge, upon intimation to the Company. This Warranty is subject to limitations.

LIMITATIONS OF WARRANTY

- 1 This warranty is not valid in case of the following events:
 - a If the warranty card is not fully and properly filled in and signed at the time of purchase/ installation by the Company's authorised dealer/service engineer.
 - b If the completed warranty card is not presented to the authorised personnel at the time of service/repair.
 - c If the appliance is not used in accordance with manufacturer's instructions given in the User Manual.
 - d If the appliance has been serviced, repaired, opened or tampered by any unauthorised personnel.
 - e If defects arise or are caused by accidents, alteration, misuse, neglect, abuse, substitution of original components with spurious/non-genuine components, attack by household pests/ rodents, fire, flood, earthquake, lightning and/or any other acts of God/natural calamities.
 - f If damages occur by improper electrical circuit outside the appliance or by any defective electrical supply thereof.
 - g If the machine serial number on the appliance is defaced, missing or altered.
 - h If the appliance is taken out of India.
- 2 This warranty does not cover any type of painting, plating including rusting etc or defects thereof.
- 3 This warranty does not cover normal wear and tear of parts.
- 4 Liability for consequential damages is neither accepted nor implied.
- 5 Parts replaced or repaired under this warranty are warranted throughout the remaining of the original warranty period.
- 6 The Company is not liable for any delay in servicing due to reasons beyond the control of the Company or any of its authorised service centres.
- 7 This warranty is not applicable if the appliance is used commercially at places such as hotels, hospitals, hostels etc.
- 8 For any service under this warranty beyond city/town/municipal limits from the Company/authorised service centre, a fixed charge of ₹250 will be collected from the customer in addition to the actual to and fro charges by the shortest route. Alternatively, the customer can bring the appliance to the nearest service centre for carrying out the necessary repairs, at the customer's own cost.
- 9 During the warranty period, whenever the appliance is shifted from the original city of purchase to another city/town where service is provided by the Company's authorised service agent, a warranty transfer charge of ₹300 will be collected from the customer by the Company's authorised service agent. The above charges also include the reinstallation of the appliance. However, in case of transfer to a city where the Company provides direct service, a nominal charge of only ₹250 will be collected from the customer towards reinstallation. The Company, however, shall not undertake the responsibility of shifting/transferring the appliance from the location where the appliance was originally installed.
- 10 This Warranty is issued subject to the jurisdiction of Kolkata courts and/or other judicial/quasi judicial forums having jurisdiction over the registered office of the Company.

Note For all types of repairs/maintenance under Warranty, the appliance shall be brought to the Company's nearest service centre/authorised service centre.



Customer Copy

Mr/Mrs/Ms _____

Address _____

PIN _____

Telephone No (R) _____ (O) _____

Model Name _____

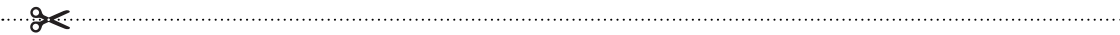
Serial No _____

Date of Purchase _____

Cash Memo No _____

Dealer Name _____

Address Stamp _____



Service Station Copy

Mr/Mrs/Ms _____

Address _____

PIN _____

Code _____

Telephone No (R) _____ (O) _____

Model Name _____

Serial No _____

Date of Purchase _____

Cash Memo No _____

Products owned by the customer (Please tick the appropriate box)

- ☐ Washing Machine
- ☐ Refrigerator
- ☐ TV
- ☐ Clothes Dryer
- ☐ Dishwasher
- ☐ Car
- ☐ Air Conditioner