INSPIRING THE WORLD'S KITCHEN



OVER THE RANGE MICROWAVE

COS-2413ORM1SS

USER MANUAL & CARE GUIDE

IMPORTANT SAFETY INSTRUCTIONS
Carefully read the following Important information redarding installation safety and maintenance. Keep these instruction for future reference.

COS-2413ORM1SS USER MANUAL

THANK YOU FOR YOUR PURCHASE

Thank you for your purchase. We know that you have many brands and products to choose from and we are honored to know that you have decided to take one of our products into your home and hope that you enjoy it.

COSMO appliances are designed according to the strictest safety and performance standard for the North American market. We follow the most advanced manufacturing philosophy. Each appliance leaves the factory after thorough quality inspection and testing. Our distributors and our service partners are ready to answer any questions you may have regarding how to install, use and care for your products. We hope that this manual will help you learn to use the product in the safest and most effective manner .

If you have any questions or concerns, please contact the dealer from whom you purchased it, or contact our Customer Support at:
1-888-784-3108.

Specifications

Model:	COS-2413ORM1SS
Rated Voltage:	120VAC, 60Hz
Rated Input Power(Microwave):	1500W
Rated Output Power(Microwave):	1000W
Oven Capacity:	1.3 cubic feet
Turntable Diameter:	∅ 13.6"
External Dimensions:	23.8" x 16.1" x 17"
Net Weight:	Approx. 57.3 lbs

IMPORTANT SAFETY INSTRUCTIONS

BEFORE YOU BEGIN:
Please Read all instructions completely and carefully.
Save these instructions for future references.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

(a) Do not attempt to operate this oven with the door open since operation can result in harmful exposure to microwave energy.

It is important not to interfere with 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) Do not operate the oven if it is damaged. It is particularly important that the oven door closes properly and that there is no damage to the:

(1) DOOR (bent)

(2) HINGES AND LATCHES (broken or loosened)

(3) DOOR SEALS AND SEALING SURFACE

(d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

RADIO INTERFERENCE

1. Operation of the microwave oven may cause interference to your radio, TV or similar equipment.
2. When there is interference, it may be reduced or eliminated by taking the following measures:
   - Clean door and sealing surface of the oven
   - Reorient the receiving antenna of radio or television.
   - Relocate the microwave oven with respect to the receiver.
   - Move the microwave oven away from the receiver.
   - Plug the microwave oven into a different outlet so that microwave oven and receiver are on different branch circuits.
3. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

   - Reorient or relocate the receiving antenna.
   - Increase the separation between the equipment and receiver.
   - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected to.
   - Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 18 of the FCC Rules.

UTENSILS

CAUTION - Personal Injury Hazard

Tightly-closed utensils could explode. Closed containers should be opened and plastic pouches should be pierced before cooking.

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.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances basic safety precautions should be followed including the following:

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

1. Read all instructions before using the appliance.
2. Read and follow the specific: "PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" found on page 3.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" found on page 5.
4. Install or locate this appliance only in accordance with the provided installation instructions.
5. Some products such as whole eggs and sealed containers - for example, closed glass jars - are able to explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook or dry food. It is not designed for industrial or laboratory use.
7. HOT CONTENTS CAN CAUSE SEVERE BURNS. DO NOT ALLOW CHILDREN TO USE THE MICROWAVE. Use caution when removing hot items.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact nearest authorized service facility for examination, repair, or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not store this appliance outdoors. Do not use this product near water - for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar location.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surface.
14. Do not let cord hang over edge of table or counter.
15. When cleaning surfaces of door and oven that comes together on closing the door, use only mild, nonabrasive soaps, or detergent applied with a sponge or soft cloth.
16. To reduce the risk of fire in the oven cavity:
    (1). Do not overcook food. Carefully attend appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
    (2). Remove wire twist-ties from paper or plastic bag before placing bag in oven.
    (3). If material inside of the oven ignite, keep oven door closed, turn oven off, and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
    (4). Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.
17. Liquids, such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present.

THIS COULD RESULT IN VERY HOT LIQUID SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A UTENSIL IS INSERTED INTO THE LIQUID

//continued on next page..

- To reduce the risk of injury to persons:
- **DO NOT OVERHEAT** the liquid
- Stir the liquid both before and halfway through heating it.
- Do not use straight-sided containers with narrow necks.
- After heating, allow the container to stand in the microwave oven for a short time before removing the container.
- Use extreme care when inserting a spoon or other utensil into the container.
- Do not mount over sink.
- Do not store anything directly on top of the appliance surface when the appliance is in operation.
- Clean ventilation hoods frequently - grease should not be allowed to accumulate on hood or filter.
- When flaming foods under the hood, turn fan on.
- Use care when cleaning the vent-hood filter. Corrosive cleaning agents such as lye-based oven cleaners may damage the filters.
- Suitable for use above both gas and electric cooking equipment.

GROUNDING INSTRUCTIONS

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 that has a 3-blade grounded plug, and 3-slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord shall be equal to or greater than the electrical rating of the appliance.

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.

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. Longer cord sets or extension cords are available and may be used if care is exercised in their use.
3. 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.

SAVE THESE INSTRUCTIONS

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Utensils	Remarks
Browning dish	Follow manufacturer* 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* 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* 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.

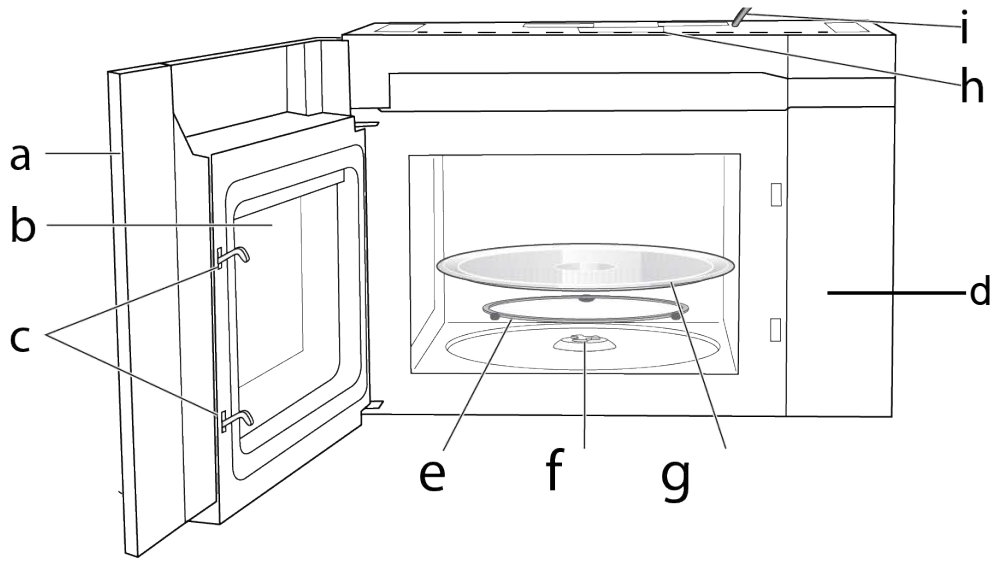
Do Not Use in Microwave

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.

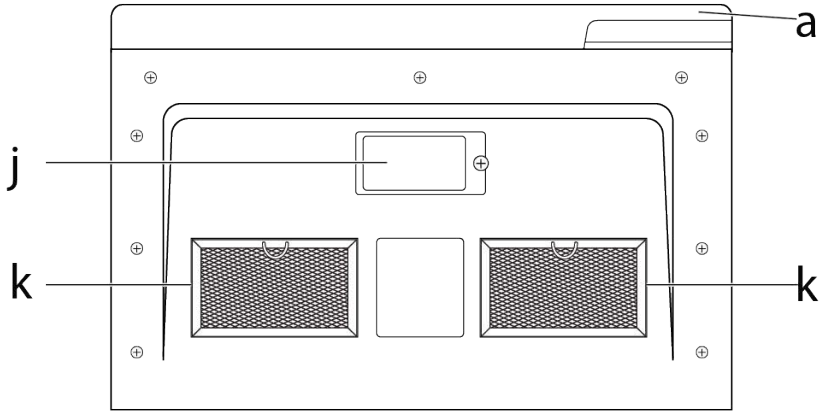
OPERATING INSTRUCTIONS

PARTS & FEATURES OF YOUR MICROWAVE

Front View

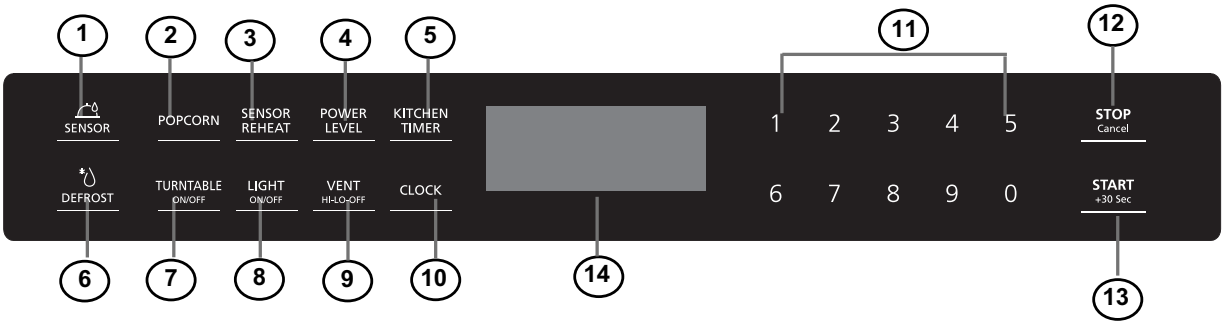


Bottom View



- (A) Door
- (B) Window
- (C) Interlock System
- (D) Control Panel
- (E) Turntable Ring Assembly
- (F) Turntable Coupler
- (G) Glass Turntable
- (H) Top Grille
- (I) Power Cord
- (J) Surface Lights
- (K) Grease Filters

CONTROL PANEL



1) Sensor
2) Popcorn
3) Sensor Reheat
4) Power Level
5) kitchen Timer
6) Defrost
7) Turntable ON/OFF
8) Light ON/OFF
9) Vent Fan HI-LO-OFF
10) Clock
11) Number Pads
12) Stop/Cancel
13) Start/+30Sec
14) Display Screen

Operation

1 . Power Level

11 power levels are available.

Level	10	9	8	7	6	5	4	3	2	1	0
Power	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0%
Display	PL-HI	PL-90	PL-80	PL-70	PL-60	PL-50	PL-40	PL-30	PL-20	PL-10	PL-0

2. Setting the time

When the microwave is on, the screen will display 12:00 PRESS CLOCK, ENTER TIME. You will hear a beep.

- Press the number keys to set clock & Press "START/+30 SEC" to confirm the time or press "STOP / CANCEL" to exit clock setting mode. If there is no operation for 5 minutes, the microwave will enter idle state.

3. Kitchen Timer

- Press "KITCHEN TIMER" once, "ENTER TIME" will blink in the display.
- Press the number keys and enter desired time. (max cooking time is 99 minutes / 99 seconds)
- Press "START/+30 SEC" to confirm the setting. The timer will start the count down.

4. Timed Cooking

- In idle state, press the number keys and enter desired time. (max cooking time is 99 minutes / 99 seconds)
- Press POWER LEVEL repeatedly to adjust the power level. The default power level is PL-HI. (see **1. Power Level**)
- Press "START/+30 SEC" to set timed cooking.

5. Instant Cooking

- In idle state, instant cooking at 100% power level can be started by select a cooking time from 1 to 9 minutes by pressing number pads 1 to 9.
- In idle state, PRESS "START/+30 SEC" to start cooking at 100% for 30 seconds. Each subsequent press on the same button will add 30 seconds to cooking time.
(max cooking time is 99 minutes, 99 seconds).

6. Clock

The clock can be set to 12-hour mode

- In waiting state, press "CLOCK" once. The screen will display "12.00 PRESS CLOCK ENTER TIME"
- Press the number keys and enter the correct time. For example, if the time is currently 10:12, press "1,0,1,2" in order.
- Press "START/+30 SEC" button to confirm the clock.

7. Popcorn

- Press "POPCORN" repeatedly until the number you wish appears in the display.

"1" SET: approximately 3.2 ounces

"2" SET: approximately 1.75 ounces

For example, press " POPCORN " once , "3.2" appears in the screen.

- Press "START/+30SEC" to cook.

8. Auto Defrost

- Press " DEFROST " once, the screen will display "MEAT".
- Press " DEFROST " repeatedly to choose the desired function; MEAT, POULTRY, FISH and BREAD will display in order.
- Press "START/+30 SEC" to confirm the function. The screen will display "ENTER WEIGHT".
- Press the number keys to set the weight of the food.
- Press "START/+30 SEC" to start defrosting

Auto Defrost programs

Press button	Food	Weight range
1	Meat	0.1 - 6.0 lbs
2	Poultry	0.1 - 6.0 lbs
3	Fish	0.1 - 6.0 lbs
4	Bread	0.1 - 6.0 lbs

9. Sensor Reheat

- Press "SENSOR REHEAT" once, the screen will display " BEVERAGE".
- Press "SENSOR REHEAT "repeatedly until you find the item needed.
- Press "START/+30 SEC" to confirm.
- Press the number key" 1-3" to set the weight of the food. (For the menus "Dinner Plate, Pizza, Casserole", please skip this step.)
- Press "START/+30 SEC " to start sensor cook mode. The appliance will begin sensing and will beep once complete. The calculated cook time will now start to count down.

Note: Do not open the door during the sensing process or the program will be cancelled.

Sensor Reheat programs

Program no.	Menu	Quantity
1	Beverage	1 - 3 cups
2	Dinner Plate	1 plate
3	Pizza	1 - 4 slices
4	Soup/Sauce	1-3 cups
5	Casserole	10.5 oz

10. Sensor Cook

- Press " SENSOR " once, the screen will display "POTATO".
- Press " SENSOR " repeatedly until you find the item needed.
- Press "START/+30 SEC " to start sensor cook mode. The appliance will begin sensing and will beep once complete. The calculated cook time will now start to count down.

Note: Do not open the door during the sensing process or the program will be canceled.

11. Operating the Vent Fan

- Press "VENT HI-LO-OFF" once to start, the screen will display "HIGH". The oven will return to idle after 2 seconds.
- Press "VENT HI-LO-OFF " twice, the screen will display "LOW". The oven will return to idle after 2 seconds.
- Press "VENT HI-LO-OFF" thrice, to turn off the ventilation fan.

The screen will display "OFF". The oven will return to idle after 2 seconds.

Sensor Cook programs

Program no.	Menu	Quantity
1	Potato	1 - 4 potatoes
2	Fresh Vegetable	6/16 oz
3	Frozen Vegetable	8/16 oz
4	Frozen Dinner	10/20 oz
5	Rice	1 - 2 cups
6	Frozen Breakfast	8 - 12 oz
7	Meat	9 - 19 oz

12. Turning the Light On/Off

This appliance is equipped with a cooking surface light, to light the surface underneath the appliance. With the "Light On/Off" button you can set two brightness levels.

Display	Brightness
HI	High
LO	Low
OFF	Off

13. Turning the Turntable On/Off

For best cooking results, leave the turntable on. It can be turned off for large dishes. To turn the turntable off, press "Turntable ON/OFF" once. The screen will display OFF for 2 seconds. Press "Turntable ON/OFF" again to turn back on. The screen will display ON for 2 seconds.

MAINTENANCE

Troubleshooting

Check your problem by using the chart below and try the solutions for each problem. If the microwave oven still does not work properly, contact the nearest authorized service center.

TROUBLE	POSSIBLE CAUSE	POSSIBLE REMEDY
Oven will not start	a. Electrical cord for oven is not plugged in. b. Door is open. c. Wrong operation is set.	a. Plug into the outlet. b. Close the door and try again. c. Check instructions.
Arcing or sparking	a. Materials to be avoided in microwave oven were used. b. The oven is operated when empty. c. Spilled food remains in the cavity.	a. Use microwave-safe cookware only. b. Do not operate with oven empty. c. Clean cavity with wet towel.
Unevenly cooked foods	a. Materials to be avoided in microwave oven were used. b. Food is not defrosted completely. c. Cooking time, power level is not suitable. d. Food is not turned or stirred.	a. Use microwave-safe cookware only. b. Completely defrost food. c. Use correct cooking time, power level. d. Turn or stir food.
Overcooked foods	Cooking time, power level is not suitable.	Use correct cooking time, power level.
Undercooked foods	a. Materials to be avoided in microwave oven were used. b. Food is not defrosted completely. c. Oven ventilation ports are restricted. d. Cooking time, power level is not suitable.	a. Use microwave-safe cookware only. b. Completely defrost food. c. Check to see that oven ventilation ports are not restricted. d. Use correct cooking time, power level.
Improper defrosting	a. Materials to be avoided in microwave oven were used. b. Cooking time, power level is not suitable. c. Food is not turned or stirred.	a. Use microwave-safe cookware only. b. Use correct cooking time, power level. c. Turn or stir food.

COSMO

APPLIANCES

WARRANTY AND SERVICE

For full warranty details on this product please visit:
http://www.cosmoappliances.com/warranty

TO RECEIVE WARRANTY SERVICE, YOUR PRODUCT MUST BE REGISTERED. TO REGISTER, VISIT:

WWW.COSMOAPPLIANCES.COM/WARRANTY

IMPORTANT

Do Not Return This Product To The Store If you have a problem with this product, please contact Cosmo Customer Support at

(888)784-3108

DATED PROOF OF PURCHASE, MODEL #, AND SERIAL # REQUIRED FOR WARRANTY SERVICE

UL LISTED



MEMO

MEMO



Correct Disposal of this product:

This marking indicates that this appliance should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources.

COSMO

Cosmo is constantly making efforts to improve the quality and performance of our products, so we may make changes to our appliances without updating this manual.

Electronic version of this manual is available at:
www.cosmoappliances.com