

SHARP®

MODELS

R-305AK

R-308AK/AW

R-310AK/AW

R-312AK/AW

MICROWAVE OVEN OPERATION MANUAL

CONTENTS

- For Customer Assistance
..... Inside Front Cover
- Precautions to Avoid Possible
Exposure to Excessive Microwave
Energy Inside Front Cover
- Limited Warranty 1
- Important Safety Instructions 2
- Installation Instructions 3
- Grounding Instructions 3
- Information You Need to Know 4
- Part Names 7
- Before Operating 8
- Manual Operation 8
- Special Features 9
- Other Convenient Features 12
- Cleaning and Care 13
- Service Call Check 14
- Specifications 14
- Cooking Chart 15
- THE ULTIMATE ACCESSORY 19
- Guia Auto-Touch .. Inside Back Cover
- Auto-Touch Guide Back Cover

Read all instructions carefully before using your oven.

FOR CUSTOMER ASSISTANCE

To aid in reporting this microwave oven in case of loss or theft, please record below the model number and serial number located on the unit. We also suggest you record all the information listed and retain for future reference.

| | |
|------------------------|---------------------|
| MODEL NUMBER _____ | SERIAL NUMBER _____ |
| DATE OF PURCHASE _____ | |
| Dealer _____ | Telephone _____ |
| Servicer _____ | Telephone _____ |

TO PHONE: DIAL 1 - 800 - BE - SHARP (237 - 4277) for :

SERVICE (for your nearest Sharp Authorized Servicer)
PARTS (for your authorized parts distributor)
ACCESSORIES
ADDITIONAL CUSTOMER INFORMATION

DIAL 201 529 - 8703 for :

COOKING ASSISTANCE

TO WRITE:

For cooking and operation questions:

Susan Edwards/Test Kitchen
Sharp Electronics Corporation
Sharp Plaza, Box 650
Mahwah, NJ 07430-2135

For service problems, warranty information, missing items and other assistance:

Sharp Electronics Corporation
Customer Assistance Center
1300 Naperville Drive
Romeoville, IL 60441-1091

Please provide the following information when you write or call: model number, serial number, date of purchase, your complete mailing address (including zip code), your daytime telephone number (including area code) and description of the problem.

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat 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 close properly and that there is no damage to the: (1) door (bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

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" on inside front cover.
3. This appliance must be grounded. Connect only to properly grounded outlet. See "GROUNDING INSTRUCTIONS" on page 3.
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 - - may explode and should not be heated in this oven.
6. Use this appliance only for its intended use as described in this 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. As with any appliance, close supervision is necessary when used by children.
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 Sharp Authorized Servicer for examination, repair or adjustment.
10. Do not cover or block any openings on the appliance.
11. Do not store or use this appliance outdoors. Do not use this product near water--for example, near a kitchen sink, in a wet basement or near a swimming pool, and the like.
12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. See door surface cleaning instructions on page 13.
16. To reduce the risk of fire in the oven cavity:
 - a. Do not overcook food. Carefully attend appliance if paper, plastic or other combustible materials are placed inside the oven to facilitate cooking.
 - b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - c. **If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord or shut off power at the fuse or circuit breaker panel.**
 - d. Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils or food in the cavity when not in use.

SAVE THESE INSTRUCTIONS

INFORMATION YOU NEED TO KNOW

About Your Oven

This Operation Manual is valuable: read it carefully and always save it for reference.

A good microwave cookbook is a valuable asset. Check it for microwave cooking principles, techniques, hints and recipes. See the order form on page 20 for ordering the Ultimate Accessory, the SHARP CAROUSEL MICROWAVE COOKBOOK.

NEVER use the oven without the turntable and support nor turn the turntable over so that a large dish could be placed in the oven. The turntable will turn both clockwise and counterclockwise.

ALWAYS have food in the oven when it is on to absorb the microwave energy. When using the oven at power levels below 100%,

you may hear the magnetron cycling on and off.

Condensation is a normal part of microwave cooking. Room humidity and the moisture in food will influence the amount of moisture that condenses in the oven. Generally, covered foods will not cause as much condensation as uncovered ones. Vents on the oven back must not be blocked.

The oven is for food preparation only. It should not be used to dry clothes or newspapers.

The R-308AK/AW, R-310AK/AW and R-312AK/AW are rated 1000 watts. The R-305AK is rated 900 watts. In using recipes or package directions, check food a minute or two before the minimum time and add time accordingly.

About Food

| | DO | DON'T |
|-------------------------------------|---|---|
| Eggs, sausages, fruits & vegetables | <ul style="list-style-type: none"> * Puncture egg yolks before cooking to prevent "explosion". * Pierce skins of potatoes, apples, squash, hot dogs and sausages so that steam escapes. | <ul style="list-style-type: none"> * Cook eggs in shells. * Reheat whole eggs. |
| Popcorn | <ul style="list-style-type: none"> * Use specially bagged popcorn for the microwave oven. * Listen while popping corn for the popping to slow to 1 or 2 seconds or use special POPCORN pad. | <ul style="list-style-type: none"> * Pop popcorn in regular brown bags or glass bowls. * Exceed maximum time on popcorn package. |
| Baby food | <ul style="list-style-type: none"> * Transfer baby food to small dish and heat carefully, stirring often. Check temperature before serving. * Put nipples on bottles after heating and shake thoroughly. "Wrist" test before feeding. | <ul style="list-style-type: none"> * Heat disposable bottles. * Heat bottles with nipples on. * Heat baby food in original jars. |
| General | <ul style="list-style-type: none"> * Cut baked goods with filling after heating to release steam and avoid burns. * Stir liquids briskly before and after heating to avoid "eruption". * Use deep bowl, when cooking liquids or cereals, to prevent boilovers. | <ul style="list-style-type: none"> * Heat or cook in closed glass jars or air tight containers. * Can in the microwave as harmful bacteria may not be destroyed. * Deep fat fry. * Dry wood, gourds, herbs or wet papers. |

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

LIMITED WARRANTY

SHARP ELECTRONICS CORPORATION warrants to the first consumer purchaser that this Sharp brand product (the "Product"), when shipped in its original container, will be free from defective workmanship and materials and agrees that it will, at its option, either repair the defect or replace the defective Product or part thereof at no charge to the purchaser for parts or labor for the time period(s) set forth below.

This warranty does not apply to any appearance items of the Product nor to the additional excluded item(s) set forth below nor to any Product the exterior of which has been damaged or defaced, which has been subjected to misuse, abnormal service or handling or which has been altered or modified in design or construction.

In order to enforce the right under this limited warranty, the purchaser should follow the steps set forth below and provide proof of purchase to the servicer.

The limited warranty described above is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described above or to extend the duration of any warranties beyond the time period described above on behalf of Sharp.

The warranties described above shall be the sole and exclusive warranties granted by Sharp and shall be the sole and exclusive remedy available to the purchaser. Correction of defects, in the manner and period of time described herein, shall constitute complete fulfillment of all liabilities and responsibilities of Sharp to the purchaser with respect to the Product and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict liability or otherwise. In no event shall Sharp be liable, or in any way responsible, for any damages or defects in the Product which were caused by repairs or attempted repairs performed by anyone other than an authorized servicer. Nor shall Sharp be liable, or in any way responsible, for any incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

THE WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Your Product model number: R-305AK, R-308AK, R-308AW, R-310AK, R-310AW, R-312AK, R-312AW Home Use Carousel Microwave Oven

(Be sure to have this information available when you need service for your Product.)

Warranty period for this Product: one (1) year parts and labor. The warranty period continues for an additional four (4) years, for a total of five (5) years, with respect to the magnetron tube in the Product for parts only. Labor is not provided free of charge for this additional period.

Additional items excluded from warranty coverage: accessories, rubber or plastic parts, the turntable, light bulbs, glass parts or any printed materials.

Where to obtain service: at a Sharp Authorized Servicer located in the United States. To find out the location of the nearest Sharp Authorized Servicer, call Sharp toll free at 1-800-BE-SHARP.

What to do to obtain service: ship (prepaid) or carry in your Product to a Sharp Authorized Servicer. Be sure to have proof of purchase available. If you ship or mail the Product, be sure it is packaged carefully.

PRODUCT INFORMATION CARD

The product information card which is on the inside of the microwave oven carton should be completed within ten days of purchase and returned. We will keep it on file and help you access the information in case of loss, damage or theft. This will also enable us to contact you in the unlikely event that any adjustments or modifications are ever required for your oven.

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 - b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
 - c. **If materials inside the oven should ignite, keep oven door closed, turn oven off, and disconnect the power cord or shut off power at the fuse or circuit breaker panel.**
 - d. Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils or food in the cavity when not in use.

SAVE THESE INSTRUCTIONS

INSTALLATION INSTRUCTIONS

Unpacking and Examining Your Oven

Remove:

1. all packing materials from inside the oven cavity. Read enclosures and **SAVE** the Operation Manual.
2. the feature sticker from the outside of the door, if there is one.

Check the oven for any damage, such as misaligned or bent door, damaged door seals and sealing surfaces, broken or loose door hinges and latches and dents inside the cavity or on the door. If there is any damage, do not operate the oven and contact your dealer or SHARP AUTHORIZED SERVICER.

Choosing a Location for Your Oven

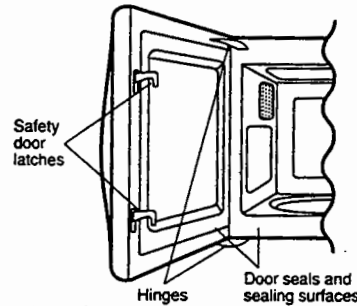
You will use the oven frequently so plan its location for ease of use. It's wise, if possible, to have counter space on at least one side of the oven. Allow at least 2 inches on the sides, top and at the rear of the oven for air circulation.

Do not place or install the oven in any area where heat and steam are generated; for example, next to or above a conventional gas or electric range or above a conventional wall oven. Heat and steam may damage the electronics or the mechanical parts of the oven.

Built-in Kit (only applicable models: R-312AK/AW)

The models R-312AK and R-312AW can be built into a cabinet or wall-not near or above a heat source-using Sharp's Built-in Kit, Model RK-31K. If your dealer does not stock the kit, it can be ordered directly from the Sharp Accessories and Supplies Center. Have your credit card number available and call toll-free 1-800-BE-SHARP (1-800-237-4277) for ordering the kit to be sent to your address.

The kit includes ducts and finish trim strips and easy-to-follow instructions for installation as well as the location of the power supply.



GROUNDING INSTRUCTIONS

This appliance must be grounded. This oven is equipped with a cord having a grounding wire with a grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded in accordance with the National Electrical Code and local codes and ordinances. In the event of an electrical short circuit, grounding reduces risk of electric shock by providing an escape wire for the electric current.

WARNING – Improper use of the grounding plug can result in a risk of electric shock.

Electrical Requirements

The electrical requirements are a 120 volt 60 Hz, AC only, 15 amps. or more protected electrical supply. It is recommended that a separate circuit serving only this appliance be provided.

The oven is equipped with a 3-prong grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded. Should you only have a 2-prong outlet, have a qualified electrician install a correct wall receptacle.

A 3-prong adapter may be purchased and used temporarily if local codes allow. Follow package directions.

A short power-supply cord is provided to reduce risk of becoming entangled in or tripping over a longer cord.

Extension Cord

If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the microwave oven. The marked rating of the extension cord should be AC 115-120 volt, 15 amps. or more.

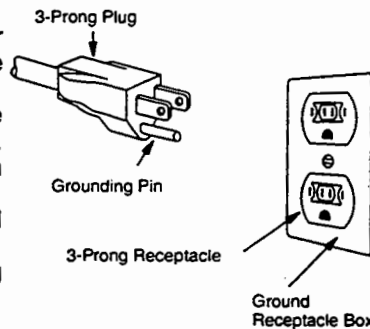
Be careful not to drape the cord over the countertop or table where it can be pulled on by children or tripped over accidentally.

Notes:

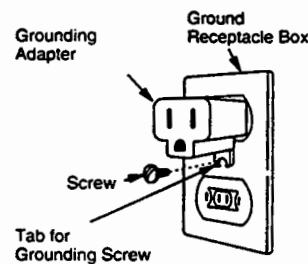
1. If you have any questions about the grounding or electrical instructions, consult a qualified electrician or serviceperson.
2. Neither Sharp nor the dealer can accept any liability for damage to the oven or personal injury resulting from failure to observe the correct electrical connection procedures.

Radio or TV Interference

Should there be any interference caused by the microwave oven to your radio or TV, check that the microwave oven is on a different electrical circuit, relocate the radio or TV as far away from the oven as feasible or check position and signal of receiving antenna.



Permanent and Correct Installation



Temporary Use

INFORMATION YOU NEED TO KNOW

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ALWAYS have food in the oven when it is on to absorb the microwave energy.

When using the oven at power levels below 100%,

you may hear the magnetron cycling on and off.

Condensation is a normal part of microwave cooking. Room humidity and the moisture in food will influence the amount of moisture that condenses in the oven. Generally, covered foods will not cause as much condensation as uncovered ones. Vents on the oven back must not be blocked.

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About Food

| | DO | DON'T |
|-------------------------------------|---|---|
| Eggs, sausages, fruits & vegetables | <ul style="list-style-type: none"> * Puncture egg yolks before cooking to prevent "explosion". * Pierce skins of potatoes, apples, squash, hot dogs and sausages so that steam escapes. | <ul style="list-style-type: none"> * Cook eggs in shells. * Reheat whole eggs. |
| Popcorn | <ul style="list-style-type: none"> * Use specially bagged popcorn for the microwave oven. * Listen while popping corn for the popping to slow to 1 or 2 seconds or use special POPCORN pad. | <ul style="list-style-type: none"> * Pop popcorn in regular brown bags or glass bowls. * Exceed maximum time on popcorn package. |
| Baby food | <ul style="list-style-type: none"> * Transfer baby food to small dish and heat carefully, stirring often. Check temperature before serving. * Put nipples on bottles after heating and shake thoroughly. "Wrist" test before feeding. | <ul style="list-style-type: none"> * Heat disposable bottles. * Heat bottles with nipples on. * Heat baby food in original jars. |
| General | <ul style="list-style-type: none"> * Cut baked goods with filling after heating to release steam and avoid burns. * Stir liquids briskly before and after heating to avoid "eruption". * Use deep bowl, when cooking liquids or cereals, to prevent boilovers. | <ul style="list-style-type: none"> * Heat or cook in closed glass jars or air tight containers. * Can in the microwave as harmful bacteria may not be destroyed. * Deep fat fry. * Dry wood, gourds, herbs or wet papers. |

About Utensils and Coverings

It is not necessary to buy all new cookware. Many pieces already in your kitchen can be used successfully in your new microwave oven.

Use these utensils for safe microwave cooking and reheating:

- * glass ceramic (Pyroceram®), such as Corningware®
- * heat-resistant glass (Pyrex®)
- * microwave-safe plastics (Some microwave-safe plastics are not suitable for cooking foods with high fat and sugar content.)
- * paper plates
- * microwave-safe pottery, stoneware and porcelain
- * browning dish (Do not exceed recommended preheating time. Follow manufacturer's directions.)

These items can be used for short time reheating of foods that have little fat or sugar in them:

- * wood, straw, wicker

DO NOT USE

- * metal pans and bakeware
- * dishes with metallic trim
- * non-heat-resistant glass
- * non-microwave-safe plastics (margarine tubs)
- * recycled paper products
- * brown paper bags
- * food storage bags
- * metal twist-ties

Should you wish to check if a dish is safe for microwaving, place the empty dish in the oven and microwave on HIGH for 30 seconds. A dish which becomes very hot should not be used.

Should you have questions about utensils or coverings, check a good microwave cookbook or follow recipe suggestions.

ACCESSORIES There are many microwave accessories available for purchase. Evaluate carefully before you purchase so that they meet your needs. A microwave-safe thermometer will assist you in determining correct doneness and assure you that foods have been cooked to safe temperatures. Sharp is not responsible for any damage to the oven when accessories are used.

About Children and the Microwave

Children below the age of 7 should use the microwave oven with a supervising person very near to them. Between the ages of 7 and 12, the supervising person should be in the same room.

The child must be able to reach the oven comfortably; if not, he/she should stand on a sturdy stool.

At no time should anyone be allowed to lean or swing on the oven door.

Children should be taught all safety precautions:

The following coverings are ideal:

- * Paper towels are good for covering foods for reheating and absorbing fat while cooking bacon.
- * Wax paper can be used for cooking and reheating.
- * Plastic wrap that is specially marked for microwave use can be used for cooking and reheating. DO NOT allow plastic wrap to touch food. Vent so steam can escape.
- * Lids that are microwave-safe are a good choice because heat is kept near the food to hasten cooking.
- * Oven cooking bags are good for large meats or foods that need tenderizing. DO NOT use metal twist ties. Remember to slit bag so steam can escape.

How to use aluminum foil in your microwave oven:

- * Small flat pieces of aluminum foil placed smoothly on the food can be used to shield areas that are either defrosting or cooking too quickly.
- * Foil should not come closer than one inch to any surface of the oven.

use potholders, remove coverings carefully, pay special attention to packages that crisp food because they may be extra hot.

Don't assume that because a child has mastered one cooking skill he/she can cook everything.

Children need to learn that the microwave oven is not a toy.

About Microwave Cooking

- * Arrange food carefully. Place thickest areas toward outside of dish.
- * Watch cooking time. Cook for the shortest amount of time indicated and add more as needed. Foods severely overcooked can smoke or ignite.
- * Cover foods while cooking. Check recipe or cookbook for suggestions: paper towels, wax paper, microwave plastic wrap or a lid. Covers prevent spattering and help foods to cook evenly.
- * Shield with small flat pieces of aluminum foil any thin areas of meats or poultry to prevent overcooking before dense, thick areas are cooked thoroughly.
- * Stir foods from outside to center of dish once or twice during cooking, if possible.
- * Turn foods over once during microwaving to speed cooking of such foods as chicken and hamburgers. Large items like roasts must be turned over at least once.
- * Rearrange foods like meatballs halfway through cooking both from top to bottom and from the center of the dish to the outside.
- * Add standing time. Remove food from oven and stir, if possible. Cover for standing time which allows the food to finish cooking without overcooking.
- * Check for doneness. Look for signs indicating that cooking temperatures have been reached.
 - Doneness signs include:
 - Food steams throughout, not just at edge.
 - Center bottom of dish is very hot to the touch.
 - Poultry thigh joints move easily.
 - Meat and poultry show no pinkness.
 - Fish is opaque and flakes easily with a fork.

About Safety

- * Check foods to see that they are cooked to the United States Department of Agriculture's recommended temperatures:

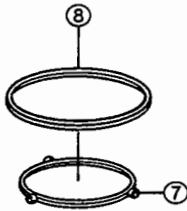
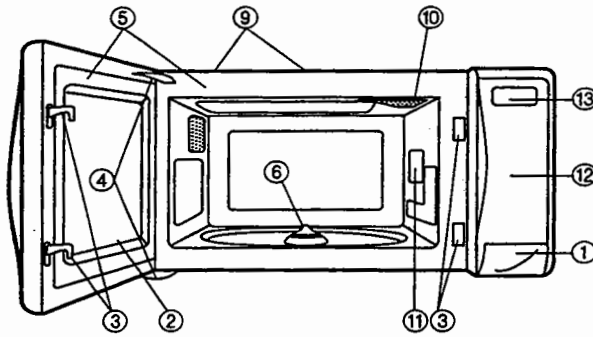
| TEMP | FOOD |
|-------|--|
| 160°F | ... for fresh pork, ground meat, boneless white poultry, fish, seafood, egg dishes and frozen prepared food. |
| 165°F | ... for leftover, ready-to-reheat refrigerated, and deli and carry-out "fresh" food. |
| 170°F | ... white meat of poultry. |
| 180°F | ... dark meat of poultry. |

To test for doneness, insert a meat thermometer in a thick or dense area away from fat or bone. **NEVER** leave the thermometer in food during cooking, unless it is approved for microwave oven use.

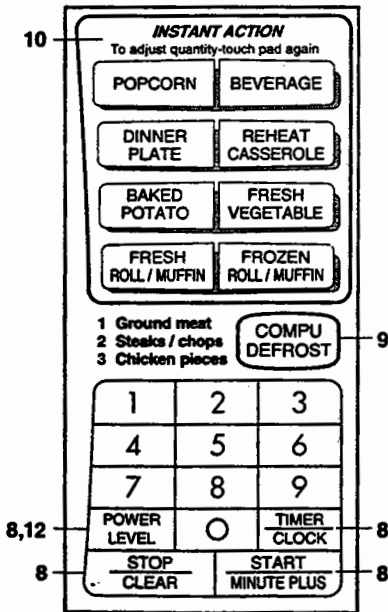
- * Always use potholders to prevent burns when handling utensils that are in contact with hot food. Enough heat from the food can transfer through utensils to cause skin burns.

- * Avoid steam burns by directing steam away from the face and hands. Slowly lift the farthest edge of a dish's covering and carefully open popcorn and oven cooking bags away from the face.
- * Stay near the oven while it's in use and check cooking progress frequently so that there is no chance of overcooking food.
- * **NEVER** use the cavity for storing cookbooks or other items.
- * Select, store and handle food carefully to preserve its high quality and minimize the spread of foodborne bacteria.
- * Keep wave guide cover clean. Food residue can cause arcing and/or fires.

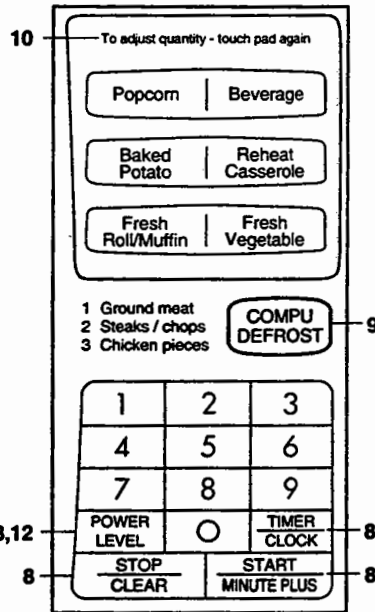
PART NAMES



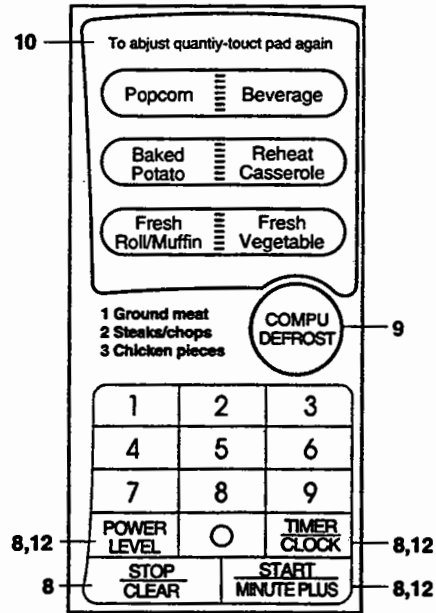
- ① One touch door open button
Push to open door.
- ② Oven door with see-through window
- ③ Safety door latches
The oven will not operate unless the door is securely closed.
- ④ Door hinges
- ⑤ Door seals and sealing surfaces
- ⑥ Turntable motor shaft
- ⑦ Removable turntable support
Place on indented area of oven floor.
- ⑧ Removable turntable
Place the turntable on the turntable motor shaft and turntable support securely. The turntable will rotate clockwise or counterclockwise. Only remove for cleaning.
- ⑨ Ventilation openings (rear)
- ⑩ Oven light
It will light when oven is operating or door is open.
- ⑪ Wave guide cover
- ⑫ Auto-Touch control panel
- ⑬ Time display: 99 minutes 99 seconds



R-310AK, R-310AW
R-312AK, R-312AW



R-308AK, R-308AW



R-305AK


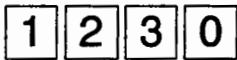

Number indicates page on which there are a feature description and usage information.

BEFORE OPERATING

- * Before operating your new microwave oven make sure you read and understand this operation manual completely.
- * Before the oven can be used, follow these procedures:
 - 1) Plug in the oven. Close the door. The oven display will then begin flashing **88:88**.
 - 2) Touch the STOP/CLEAR pad. **---** will appear.
 - 3) Touch CLOCK pad, to set clock.

To Set the Clock

- * Suppose you want to enter the correct time of day 12:30 (A.M. or P.M.)

| Procedure | |
|--|--|
| 1.  | Touch CLOCK pad. |
| 2.  | Enter the correct time of day by touching the numbers in sequence. |
| 3.  | Touch CLOCK pad again. |

This is a 12 hour clock. If you attempt to enter an incorrect clock time, **EE** will appear in the display. Touch the STOP/CLEAR pad and re-enter the time.

- * If the electrical power supply to your microwave oven should be interrupted, the display will intermittently show **88:88** after the power is reinstated. If this occurs during cooking, the program will be erased. The time of day will also be erased. Simply touch STOP/CLEAR pad and reset the clock for the correct time of day.

Stop/Clear

Touch the STOP/CLEAR pad to:


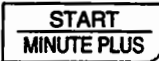
1. Erase if you make a mistake during programming.
2. Cancel timer.
3. Stop the oven temporarily during cooking.
4. Return the time of day to the display.
5. Cancel a program during cooking, touch twice.

MANUAL OPERATION

Time Cooking

Your oven can be programmed for 99 minutes 99 seconds (99.99). Always enter the seconds after the minutes, even if they are both zeros.




- * Suppose you want to cook for 5 minutes at 100%.

| Procedure | |
|---|---------------------|
| 1.  | Enter cooking time. |
| 2.  | Touch START pad. |

There are eleven preset power levels. Using lower power levels increases the cooking time which is recommended for foods such as cheese, milk and long slow cooking of meats. Consult cookbook or recipes for specific recommendations.

| Touch POWER LEVEL Pad Once, then Touch | Approximate Percentage of Power | Common Words for Power Levels |
|--|---------------------------------|-------------------------------|
| POWER LEVEL 9 | 100% | High |
| 8 | 90% | |
| 7 | 80% | Medium High |
| 6 | 60% | |
| 5 | 50% | Medium |
| 4 | 40% | |
| 3 | 30% | Med. Low/Defrost |
| 2 | 20% | |
| 1 | 10% | Low |
| 0 | 0% | |

- * Suppose you want to defrost for 5 minutes at 30%.

| Procedure | |
|---|------------------------|
| 1.  | Enter defrosting time. |
| 2.  | Enter power level. |
| 3.  | Touch START pad. |

SPECIAL FEATURES

CompuDefrost

CompuDefrost automatically defrosts ground meat, steaks, chops and chicken pieces.

* Suppose you want to defrost a 2.0 lb. steak .

| Procedure | Display |
|--|---------|
| <p>COMPU DEFROST x2</p> <p>Select desired food by touching COMPU DEFROST pad until the display shows the desired food number. (Ex. touch twice for Steak/chops.)</p> | |
| <p>Enter weight by touching the number pads 2 and 0. (Ex. 2.0 lbs. steak).</p> <p>START MINUTE PLUS</p> <p>Touch START pad.</p> | |
| <p>The oven will stop so that the food can be checked.</p> | |

After the 1st stage, open the door. Turn steak over and shield any warm portions. Close the door.

START
MINUTE PLUS

Touch **START** pad.

After the 2nd stage, open the door. Shield any warm portions. Close the door.

START
MINUTE PLUS

Touch **START** pad.

After defrost cycle ends, cover and let stand as indicated in chart below.

NOTE:

1. Weight can be entered in .1 lbs. If you attempt to enter more or less than the allowed amount (0.5–4.0 lbs.) **EE** will appear in the display.
2. CompuDefrost can be programmed with More or Less Time Adjustment. Touch the **POWER LEVEL** pad once or twice after selecting the amount. See page 12.
3. To defrost other foods or foods above or below the weights allowed on **COMPU DEFROST CHART**, use time and 30% power. See Manual Defrost on page 10.

COMPU DEFROST CHART

| | Food | Amount | Procedure |
|---|---------------------|--------------|--|
| 1 | Ground meat | 0.5–3.0 lbs. | Remove any thawed pieces after each stage. Stand, 5–10 minutes. |
| 2 | Steaks/chops (Fish) | 0.5–4.0 lbs. | After each stage of defrost cycle, rearrange and if there are warm or thawed portions, shield with small flat pieces of aluminum foil. Remove any meat or fish that is nearly defrosted. Stand, covered 10–20 minutes. |
| 3 | Chicken pieces | 0.5–3.0 lbs. | After each stage of defrost cycle, if there are warm or thawed portions, rearrange or remove. Stand, 10–20 minutes. |

NOTE: Check foods when oven signals. After final stage, small sections may still be icy. Let stand to continue thawing. Do not defrost until all ice crystals are thawed. Shielding prevents cooking from occurring before the center of the food is defrosted. Use small smooth strips of aluminum foil to cover edges and thinner sections of the food.

Manual Defrost

If the food that you wish to defrost is not listed on the COMPU DEFROST CHART or is above or below the limits in the "Amount" column on the COMPU DEFROST CHART, you need to defrost manually.

You can defrost any frozen food, either raw or previously cooked, by using Power Level 3. Follow the exact 3-step procedure found under Time Cooking on page 8. Estimate defrosting time and press 3 for 30% when you select the power level.

For either raw or previously cooked frozen food the rule of thumb is approximately 5 minutes per pound. For example, defrost 5 minutes for 1 pound of frozen spaghetti sauce.

Always stop the oven periodically to remove or separate the portions that are defrosted. If food is not defrosted at the end of the estimated defrosting time, program the oven in 1 minute increments on Power Level 3 until totally defrosted.

When using plastic containers from the freezer, defrost only long enough to remove from the plastic in order to place in a microwave-safe dish.

Instant Action

(R-310AK/AW, R-312AK/AW)

Instant Start (R-308AK/AW)

Instant Action and Instant Start allow you to cook or reheat many of your favorite foods by touching just one pad.

* Suppose you want to cook 3 medium baked potatoes.

| Procedure | |
|--|--|
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">BAKED POTATO</div> x 3 | Select desired setting. Touch BAKED POTATO pad 3 times. The oven starts automatically. |

To use any Instant Action or Instant Start pad, touch within 1 minute after cooking, opening and closing the door or touching the STOP/ CLEAR pad.

To increase quantity, touch chosen pad until number in display is same as desired quantity to cook. Ex: touch BAKED POTATO three times for three baked potatoes.

TIPS: Foods can be covered with wax paper or vented plastic wrap. Temperatures of foods covered with plastic wrap tend to be slightly higher than those covered with wax paper.

NOTE: Instant Action and Instant Start can be programmed with More or Less Time Adjustment. See page 12.

INSTANT ACTION/INSTANT START CHART

| Menu | Amount | Procedure |
|----------|----------------------------|--|
| Popcorn | 3.5 oz. bag | This setting works well with most brands of microwave popcorn. You may wish to try several and choose your favorite. Pop only one bag at a time. Open bag and place in oven according to directions. Touch POPCORN once for regular. <input type="text" value="1"/> . |
| | 3.0 or 3.5 oz. bag (Light) | Touch POPCORN twice within 2 seconds for light regular. <input type="text" value="2"/> . |
| | 1.75 oz. | Touch POPCORN three times within 3 seconds for snack. <input type="text" value="3"/> . |
| | 1.5 or 1.75 oz. (Light) | Touch POPCORN pad four times within 4 seconds for light snack. <input type="text" value="4"/> . |
| Beverage | 0.5-2 mugs | This setting is good for restoring cooled beverage to a better drinking temperature. Stir after heating. Use More Time Adjustment(See page 12.) for heating COLD TAP WATER to a temperature somewhat below the boiling point to make instant coffee or tea. Stir liquid briskly before and after heating to avoid "eruption". |

INSTANT ACTION/INSTANT START CHART

| <u>Menu</u> | <u>Amount</u> | <u>Procedure</u> |
|--|---------------|---|
| Reheat Casserole | 1-4 cups | Use this pad to reheat refrigerated canned or homemade pasta with sauce or other cooked casserole. For room temperature pasta or casserole, use Less option. For pasta without sauce double the quantity per setting. For example, measure 2 cups of cooked noodles and program for 1 cup. Cover with lid or plastic wrap. After cooking, let stand, covered, 2 to 3 minutes. |
| Baked Potato | 1-4 medium | Pierce with fork in several places; place on paper towel on turntable. At end of cooking time, remove from oven, wrap in foil and let stand 10 minutes. |
| Fresh Vegetable | 1-4 cups | For beans, carrots, corn and peas, add 1 tablespoon of water per cup. For broccoli, Brussels sprouts, cabbage and cauliflower, cook immediately after washing with no additional water. If you like tender crisp vegetables, double or triple measured quantity per setting. For example, use 2 cups or 3 cups of zucchini but touch FRESH VEGETABLE only once. After cooking, remove from oven, stir, cover and let stand 3 to 5 minutes before serving. |
| Roll, Muffin(Fresh) | 1-6 pcs. | Use this pad to warm rolls, muffins, biscuits, bagels etc. Large items should be considered as 2 or 3 regular size. Arrange on plate; cover with paper towel. For refrigerated rolls or muffins, it may be necessary to double the entered amount to ensure the proper serving temperature. For example, enter quantity of 2 for 1 refrigerated muffin. |
| (R-310AK, R-310AW, R-312AK, R-312AW ONLY) | | |
| Dinner Plate | 1 plate | Use this pad to reheat precooked foods from the refrigerator. Place meaty portions and bulky vegetables to outside of plate. Cut large items like baked potatoes in smaller pieces. Flatten foods such as mashed potatoes and other dense foods. Cover with wax paper or plastic wrap. ONE PLATE ONLY. |
| | 1 Regular | After cooking, check that food is very hot throughout and that the bottom center of the plate is very hot. If not, continue heating using time and power level. Allow to stand, covered, 1 to 2 minutes. Touch DINNER PLATE once for a regular amount of food: approximately 4 oz. sliced meat or poultry, 1/2 cup potato or rice and 1/2 cup of vegetables or equivalent. <input type="text" value="1"/> will appear in the display. |
| | 1 Large | Touch DINNER PLATE twice within 2 seconds for a larger amount of food on a dinner plate. <input type="text" value="2"/> will appear in the display. |
| | 1 Small | Touch DINNER PLATE three times within 3 seconds for a smaller amount of food on a dinner plate. <input type="text" value="3"/> will appear in the display. |
| Roll, Muffin(Frozen) | 1-6 pcs. | Use this pad to warm rolls, muffins, biscuits, bagels etc. Large items should be considered as 2 or 3 regular size. Arrange on plate; cover with paper towel. |

OTHER CONVENIENT FEATURES

Multiple Sequence Cooking

The oven can be programmed for up to 3 automatic cooking sequences, switching from one power level setting to another automatically.

Sometimes cooking directions tell you to start on one power level and then change to a different power level. Your oven can do this automatically.

* Suppose you want to cook roast beef for 5 minutes at 100% and then continue to cook for 30 minutes at 50%.

| Procedure | |
|---|--|
| 1. <input type="text" value="5"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> | First enter cooking time. Then touch POWER LEVEL pad twice for 100% power. |
| <input type="text" value="POWER LEVEL"/> x 2 | |
| 2. <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> | Then enter second cooking time. Touch POWER LEVEL pad. Touch number pad 5 for 50% power. |
| <input type="text" value="POWER LEVEL"/> <input type="text" value="5"/> | |
| 3. <input type="text" value="START MINUTE PLUS"/> | Touch START pad. |

- NOTE: 1. If POWER LEVEL pad is touched twice, will be displayed.
2. If 100% is selected as the final sequence, it is not necessary to touch the POWER LEVEL pad.
3. If you wish to know power level, simply touch the POWER LEVEL pad. As long as your finger is touching the POWER LEVEL pad, the power level will be displayed.

More or Less Time Adjustment

More

Should you discover that you like any of the INSTANT ACTION or COMPU DEFROST settings slightly more done, touch the POWER LEVEL pad once after touching your choice of pads. The display will show .

Less

Should you discover that you like any of the INSTANT ACTION or COMPU DEFROST settings slightly less done, touch the POWER LEVEL pad twice after touching your choice of pads. The display will show .

Timer

* Suppose you want to time a 3 minute long distance phone call.

| Procedure | |
|---|------------------|
| 1. <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="0"/> | Enter time. |
| 2. <input type="text" value="TIMER CLOCK"/> | Touch TIMER pad. |

Minute Plus

Minute Plus allows you to cook for a minute at 100% by simply touching the MINUTE PLUS pad. You can also extend cooking time in multiples of 1 minute by repeatedly touching the MINUTE PLUS pad during manual cooking.

* Suppose you want to heat a cup of soup for one minute.

| Procedure | |
|---|------------------------|
| 1. <input type="text" value="START MINUTE PLUS"/> | Touch MINUTE PLUS pad. |

- NOTE: 1. To use Minute Plus, touch pad within 1 minute after cooking, closing the door, touching the STOP/CLEAR pad or during cooking.
2. Minute Plus cannot be used with SPECIAL FEATURES.

Safety Lock

The Safety Lock prevents unwanted oven operation such as by small children.

The oven can be set so that the control panel is deactivated or locked. To set, touch CLOCK, the number and then touch START and hold for 3 seconds. Should a pad be touched, will appear in the display.

To cancel, touch CLOCK, the number and STOP/CLEAR.

Audible Signal Elimination

If you wish to have the oven operate with no audible signals, touch CLOCK, the number and then touch START and hold for 3 seconds.

To cancel and restore the audible signal, touch CLOCK, the number and STOP/CLEAR.

Demonstration Mode

To demonstrate, touch CLOCK, and then touch START and hold for 3 seconds. will appear in the display. Cooking operations and specific special features can now be demonstrated with no power in the oven. For example, touch MINUTE PLUS and the display will show and count down quickly to the "End".

To cancel, touch CLOCK, then and STOP/CLEAR.

CLEANING AND CARE

Exterior

The outside surface is painted. Clean the outside with mild soap and water; rinse and dry with a soft cloth. Do not use any type of household or abrasive cleaner.

Door

Wipe the window on both sides with a damp cloth to remove any spills or splatters. Metal parts will be easier to maintain if wiped frequently with a damp cloth. Avoid the use of harsh abrasives.

Touch Control Panel

Care should be taken in cleaning the touch control panel. If the control panel becomes soiled, open the oven door before cleaning. Wipe the panel with a cloth dampened slightly with water only. Dry with a soft cloth. Do not scrub or use any sort of chemical cleaners. Close door and touch STOP/CLEAR.

Interior

Cleaning is easy because no heat is generated to the interior surfaces; therefore, there is no baking and setting of spills or spattering. To clean the interior surfaces, wipe with a soft cloth and warm water. **DO NOT USE ABRASIVE OR HARSH CLEANERS OR SCOURING PADS.** For heavier soil, use baking soda or a mild soap; rinse thoroughly with hot water.

Wave Guide Cover

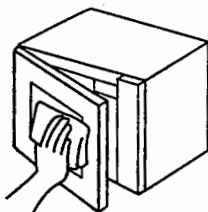
Carefully wash any food particles from the wave guide cover located on the right side in the oven cavity. Do not remove the wave guide cover.

Odor Removal

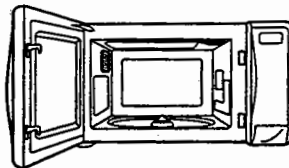
Occasionally, a cooking odor may remain in the oven. To remove, combine 1 cup water, grated peel and juice of 1 lemon and several whole cloves in a 2 cup glass measuring cup. Boil for several minutes using 100% power. Allow to set in oven until cool. Wipe interior with a soft cloth.

Turntable/Turntable Support

The turntable and turntable support can be removed for easy cleaning. Wash them in mild, sudsy water; for stubborn stains use a mild cleanser and scouring sponge as described above. They are also dishwasher-proof. The turntable motor shaft is not sealed, so excess water or spills should be wiped up immediately.



Exterior



Interior



Turntable
Turntable Support

SERVICE CALL CHECK

Please check the following before calling for service:

Place one cup of water in a glass measuring cup in the oven and close the door securely.
Operate the oven for one minute at HIGH 100%.

- A. Does the oven light come on? YES _____ NO _____
- B. Does the cooling fan work? YES _____ NO _____
(Put your hand over the rear ventilating openings.)
- C. Does the turntable rotate? YES _____ NO _____
It is normal for the turntable to turn in either direction.
- D. Is the water in the oven warm? YES _____ NO _____

If "NO" is the answer to any of the above questions, please check electrical outlet, fuse and/or circuit breaker. If they are functioning properly, CONTACT YOUR NEAREST SHARP AUTHORIZED SERVICER. A microwave oven should never be serviced by a "do-it-yourself" repair person.

NOTE: If time appearing in the display is counting down very rapidly, check Demonstration Mode on page 12 and cancel.

SPECIFICATIONS

| | R-308AK/AW,R-310AK/AW,R-312AK/AW | R-305AK |
|---------------------|---|---|
| AC Line Voltage: | Single phase 120V, 60Hz, AC only | Single phase 120V, 60Hz, AC only |
| AC Power Required: | 1500W 13.0 amps. | 1370W 12.0 amps. |
| Output Power: | Output Power: | Output Power: |
| Microwave | 1000W *(IEC-705-1988 Test Procedure) | 900W *(IEC-705-1988 Test Procedure) |
| Frequency: | 2450 MHz | 2450 MHz |
| Outside Dimensions: | 20 ¹ / ₂ "(W) x 11 ⁷ / ₈ "(H) x 15 ⁷ / ₈ "(D) | 20 ¹ / ₂ "(W) x 11 ⁷ / ₈ "(H) x 15 ⁷ / ₈ "(D) |
| Cavity Dimensions: | 13 ³ / ₄ "(W) x 8 ³ / ₈ "(H) x 14 ⁷ / ₈ "(D) | 13 ³ / ₄ "(W) x 8 ³ / ₈ "(H) x 14 ⁷ / ₈ "(D) |
| Oven Capacity: | 1.0 Cu.Ft. | 1.0 Cu.Ft. |
| Cooking Uniformity: | Turntable system | Turntable system |
| Weight: | Approx. 33 lbs. | Approx. 33 lbs. |

★ The International Electrotechnical Commission's standardized method for measuring output wattage. This test method is widely recognized.

Reheating Chart

| <u>Item</u> | <u>Starting Temperature</u> | <u>Microwave Time</u> | <u>Procedure</u> |
|---|--|--|---|
| Plate of Food 1 serving of meat, 2 servings of vegetables | Room temp. Refrigerated | MED.-HIGH (70%) 1-2 1/2 min. 2 1/2-3 1/2 min. | Meaty portions and bulky vegetables to outside. Cover with wax paper. |
| Meat (Chicken pieces, chops, hamburgers, meat loaf slices) 1 serving 2 servings | Refrigerated Refrigerated | MED.-HIGH (70%) 1-2 min. 2-4 min. | Cover loosely with wax paper. |
| Meat Slices (Beef, ham, pork, turkey) 1 or more servings | Room temp. Refrigerated | MEDIUM (50%) 1-1 3/4 min. per serving 1 1/2-2 1/2 min. per serving | Cover with gravy or wax paper. Check after 30 sec. per serving. |
| Stirrable Casseroles and Main Dishes 1 serving 2 servings 4-6 servings | Refrigerated Refrigerated Refrigerated | HIGH (100%) 2 3/4-3 1/2 min. 5 - 6 3/4 min. 9 -10 min. | Cover with plastic wrap. Stir after half the time. |
| Nonstirrable Casseroles and Main Dishes 1 serving 2 servings 4-6 servings | Refrigerated Refrigerated Refrigerated | MEDIUM (50%) 4 1/2-7 1/2 min. 7 1/2-11 min. 12-15 min. | Cover with wax paper. |
| Soup, Cream 1 cup 1 can (10 3/4 oz.) | Refrigerated Room temp. | MEDIUM (50%) 2 3/4-5 1/2 min. 5-7 1/2 min. | Cover. Stir after half the time. |
| Soup, Clear 1 cup 1 can (10 3/4 oz.) | Refrigerated Room temp. | HIGH (100%) 2 3/4-3 min. 3 1/2-4 1/2 min. | Cover. Stir after half the time. |
| Pizza 1 slice 1 slice 2 slices 2 slices | Room temp. Refrigerated Room temp. Refrigerated | HIGH (100%) 15-25 sec. 35-40 sec. 25-35 sec. 55-65 sec. | Place on paper towel on microwave-safe rack. |
| Vegetables 1 serving 2 servings | Refrigerated Refrigerated | HIGH (100%) 3/4-1 1/4 min. 1 1/2-2 min. | Cover. Stir after half the time. |
| Baked Potato 1 2 | Refrigerated Refrigerated | HIGH (100%) 1-2 1/2 min. 2 1/2-3 min. | Cut potato lengthwise and then several times crosswise. Cover with wax paper. |
| Breads (Dinner or breakfast roll) 1 roll 2 rolls 4 rolls | Room temp. Room temp. Room temp. | HIGH (100%) 10-12 sec. 15-18 sec. 25-30 sec. | Wrap single roll, bagel or muffin in paper towel. To reheat several, line plate with paper towel; cover with another paper towel. |
| Pie 1 slice 2 slices | Refrigerated Refrigerated | HIGH (100%) 30-45 sec. 1-1 1/2 min. | Place on microwave-safe dish. Do not cover. |
| After reheating, food should be very hot-165°F, if possible, stir food, cover and allow to stand two to three minutes before serving. | | | |

Vegetable Cooking Chart

| <u>Vegetable</u> | <u>Amount</u> | <u>Cooking Procedure</u> | <u>Microwave Time at HIGH (100%)</u> | <u>Standing Time, Covered</u> |
|--|---------------|--|--------------------------------------|-------------------------------|
| Artichokes Fresh | 2 medium | Trim and rinse. 2-qt. casserole. 2 tbsp. water. Cover with plastic wrap. | 5-8 min. | 5 min. |
| Asparagus Fresh Spears | 1 lb. | 2-qt. casserole. 2 tbsp. water. Cover. Rearrange after 3 min. | 4-7 min. | 2 min. |
| Beans Fresh, Green and Wax | 1 lb. | 1 1/2-in. pieces, 2-qt. casserole. 1/4 cup water. Cover. Stir twice. | 9-13 min. | 2 min. |
| Beets Fresh, Whole | 5 medium | Wash. Leave 1 inch of tops. 2-qt. casserole. 1/4 cup water. Cover. Stir every 5 min. | 12-18 min. | 3 min. |
| Broccoli Fresh, Spears | 1 lb. | Wash. 2-qt. casserole. Add no water. Cover. Rearrange after 3 min. Uncover during stand. | 6-8 min. | 3 min. uncovered |
| Fresh, Pieces | 1 lb. | Wash. 2-qt. casserole. Add no water. Cover. Stir after 3 min. Uncover during stand. | 5-7 min. | 2 min. uncovered |
| Brussels Sprouts Fresh | 4 cups | 2-qt. casserole. 1/4 cup water. Cover. Stir after 2 min. | 8-10 min. | 3 min. |
| Cabbage Shredded | 1 lb. | 2-qt. casserole. 2 tbsp. water. Cover. Stir, after 4 min. | 8-12 min. | 2 min. |
| Wedges | 1 lb. | 2-qt. casserole. 2 tbsp. water. Cover. Rearrange after 5 min. | 12-14 min. | 3 min. |
| Carrots Fresh, Slices | 2 cups | 1-qt. casserole, 2 tbsp. water. Cover. Stir after 3 min. | 4-6 min. | 3 min. |
| Cauliflower Fresh, Flowerets | 2 cups | 1-qt. casserole. 1 tbsp. water. Cover. Stir after 2 min. | 4-6 min. | 2 min. |
| Fresh, Whole | 1 1/2 lbs. | Remove leaves and core center. 2-qt. casserole. 2 tbsp. water. Cover. | 7-9 min. | 3 min. |
| Corn Fresh, on Cob | 2 ears | 9-in. pie plate. 2 tbsp. water. Cover. Rearrange after 4 min. | 6-9 min. | 5 min. |
| | 4 ears | 2-qt. oval or rectangular casserole. 1/4 cup water. Cover. | 12-14 min. | 5 min. |
| Frozen, on Cob | 2 ears | 9-in. pie plate. 2 tbsp. water. Cover. Rearrange after 4 min. | 6-8 min. | 5 min. |
| | 4 ears | 2-qt. oval or rectangular casserole. 1/4 cup water. Cover. | 10-12 min. | 5 min. |

Vegetable Cooking Chart

| <u>Vegetable</u> | <u>Amount</u> | <u>Cooking Procedure</u> | <u>Microwave Time at HIGH (100%)</u> | <u>Standing Time, Covered</u> |
|--------------------------------|----------------------|--|--------------------------------------|-------------------------------|
| Peas, Green Fresh | 2 cups | 1-qt. casserole. 1/4 cup water. Cover. Stir after 3 min. | 4-6 min. | 3 min. |
| Potatoes Boiled | 4 medium | Peel and quarter potatoes. 2-qt. casserole. Cover. Stir after 5 min. | 10-12 min. | 3 min. |
| Spinach Fresh | 1 lb. | Wash and trim. Add no water. 3-qt. casserole. Cover. Stir after 3 min. | 5-7 min. | 2 min. |
| Squash Fresh, Acom | 1 whole | Prick; place on paper towel. Turn over after 4 min. | 7-10 min. | 5 min. |
| Fresh, Sliced Zucchini | 2 cups | 1-qt. casserole. Add no water. Cover. Stir after 2 min. | | |
| | | 1-qt. casserole. Add no water. Cover. | 2-4 min. | 1 min. |
| Sweet Potatoes Baked | 2 medium 4 medium | Prick; place on paper towels. Turn over, rearrange after 5 min. | 6-9 min. 10-12 min. | 5 min. 5 min. |
| Tomatoes Fresh | 2 medium 4 medium | Halve tomatoes. Round dish. Cover. Rearrange once. | 2-4 min. 5-8 min. | 2 min. 2 min. |
| Canned Vegetables | 15 to 16 oz. | 1-qt. casserole. Drain all but 2 tbsp. liquid. Stir once. | 2-4 min. | 2 min. |

Poultry Roasting Chart

| <u>Cut</u> | <u>Cooking Preparation</u> | <u>Microwave Procedure</u> | <u>Internal Temp. at Removal</u> | <u>Internal Temp. after Standing</u> |
|---|--|---|----------------------------------|--------------------------------------|
| CHICKEN Whole | Breast side down on rack. Cover with plastic wrap. Turn over halfway through cooking time. | MED.-HIGH (70%) 5-8 min. per lb. | 170°F | 180°F |
| Pieces Bone-in Boneless | Rack. Cover with plastic wrap. Turn over halfway through cooking time. | HIGH (100%) 5-7 1/2 min. per lb. 4-7 min. per lb. | 170°F 160°F | 180°F 170°F |
| TURKEY Whole (up to 10 lbs.) | Breast side down on rack. Cover with plastic wrap. Turn over halfway through cooking time. | MED. (50%) 10-14 min. per lb. | 170°F | 180°F |
| Breast Bone-in Boneless | Rack. Cover with plastic wrap. Turn over halfway through cooking time. | MED. (50%) 11-15 min. per lb. 14-18 min. per lb. | 160°F 160°F | 170°F 170°F |

Meat Roasting Chart

| <u>Cut</u> | <u>Cooking Preparation</u> | <u>Microwave Procedure</u> | <u>Internal Temp. at Removal</u> | <u>Internal Temp. after Standing</u> |
|--|--|---|----------------------------------|--------------------------------------|
| BEEF Chuck or Pot Roast (cook in 1/2 cup liquid) (2-3 lbs.) | Large covered casserole. Turn over halfway through cooking time. | MED. (50%) | 150°F | 160°F |
| Without vegetables | | 21-24 min. per lb. | | |
| With 3-4 cups cut-up vegetables | | 27-30 min. per lb. | | |
| Eye of Round (2-3 lbs.) | Rack. Cover with plastic wrap. Turn over halfway through cooking time. | MED. (50%) Rare: 5-8 min. per lb. Med: 7-10 min. per lb. Well: 9-11 min. per lb. | 120°F 135°F 150°F | 130°F 145°F 160°F |
| Ground Meat (to brown for casserole) | Casserole. Cover with plastic wrap. Stir halfway through cooking time. | HIGH (100%) 4-6 min. per lb. | 155°F | 160°F |
| Hamburgers (1/4 lb. each) 2 patties 4 patties | Rack. Cover with wax paper. Turn over halfway through cooking time. | HIGH (100%) 2 1/2-4 min. 4-6 min. | | |
| PORK Loin Roast | Meat roasting rack. Cover with plastic wrap. Turn over halfway through cooking time. | MED.-HIGH (70%) 7-11 min. per lb. | 160°F | 170°F |
| Boneless | | MED. (50%) 12-14 min. per lb. | 160°F | 170°F |
| Bacon 2 slices 4 slices 6 slices | Place bacon between paper towels on paper plate or on a rack. | HIGH (100%) 1 1/2-2 min. 2 1/2-3 1/2 min. 3 1/2-4 1/2 min. | | |
| Smoked Ham Canned Butt Shank | Casserole. Cover with plastic wrap. Turn over halfway through cooking time. Drain and shield if necessary. | MED. (50%) 5-8 min. per lb. 8-11 min. per lb. | 130°F 130°F | 135°F 135°F |

Fish and Seafood Cooking Chart

| <u>Cut</u> | <u>Cooking Preparation</u> | <u>Microwave Procedure</u> | <u>Standing Time</u> |
|------------------------------|--|---------------------------------------|----------------------|
| FILLETS | Pie plate or casserole. Cover with plastic wrap. | POWER LEVEL (80%) 4-6 min. per lb. | 3 min. |
| STEAKS | Pie plate or casserole. Cover with plastic wrap. Turn over halfway through cooking time. | POWER LEVEL (80%) 5-7 min. per lb. | 3 min. |
| SHRIMP & SCALLOPS | Pie plate or casserole. Cover with plastic wrap. Turn over halfway through cooking time. | POWER LEVEL (80%) 4-6 min. per lb. | 1-2 min. |

----- Cut along this line. -----

SOLAMENTE ESCRITO EN INGLES!

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GUIA AUTO-TOUCH®

Para mayor información y precauciones de seguridad, consulte el Manual de Operaciones.

| <p>FIJACION DEL RELOJ Si en la pantalla aparece 00:00, toque primero STOP/CLEAR.</p> <p>1. Toque el botón CLOCK.</p> <p>2. Ponga la hora correcta tocando los números en orden. (Ej: 12:30)</p> <p>3. Toque nuevamente el botón CLOCK.</p> | <p style="text-align: center;">TIMER CLOCK</p> <p style="text-align: center;">1 2 3 0</p> <p style="text-align: center;">TIMER CLOCK</p> | <p>OPERACION MANUAL</p> <p>Cocinando con energía alta</p> <p>1. Programe el tiempo para cocinar tocando los botones de números. (Ej: 1 min. 30 seg.)</p> <p>2. Toque START.</p> <p>Cocinando con energía variable</p> <p>1. Después del paso 1 anterior, toque el botón POWER LEVEL.</p> <p>2. Escoja el nivel de energía. (Ej: 50%)</p> <p>3. Toque START.</p> | <p style="text-align: center;">1 3 0</p> <p style="text-align: center;">START MINUTE PLUS</p> <p style="text-align: center;">POWER LEVEL</p> <p style="text-align: center;">5</p> <p style="text-align: center;">START MINUTE PLUS</p> | | | | | | | | | | | | | | |
|---|--|---|---|------------------------------|---|-------------------------------------|-------------------|-------------------------------------|-------------------|------------------------------|-------------|------------------------------------|-----------|----------------------------------|-------------|--|--|
| <p>INSTANT ACTION INSTANT START</p> <p>1. Toque el botón POPCORN una vez para palomitas de maíz regular.</p> <p>2 Veces -- tamaño regular ligero</p> <p>3 Veces -- tamaño de snack</p> <p>4 Veces -- snack de tamaño ligero</p> | <p style="text-align: center;">POPCORN</p> | <p>MINUTE PLUS</p> <p>Toque el botón de adición de un minuto (MINUTE PLUS) para un minuto al 100% de energía, o para añadir un minuto cuando cocine en el modo manual. Continúe tocándolo para añadir más minutos.</p> | <p style="text-align: center;">START MINUTE PLUS</p> | | | | | | | | | | | | | | |
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AUTO-TOUCH® GUIDE

For more complete information and safety precautions, refer to your Operation Manual.

| <p>SET CLOCK</p> <p>If 88:88 is in display, first touch STOP/CLEAR.</p> <p>1. Touch CLOCK pad.</p> <p>2. Enter correct time of day by touching numbers in sequence. (Ex: 12:30)</p> <p>3. Touch CLOCK pad again.</p> | <p style="text-align: center;">TIMER CLOCK</p> <p style="text-align: center;">1 2 3 0</p> <p style="text-align: center;">TIMER CLOCK</p> | <p>MANUAL OPERATION</p> <p>High Power Cooking</p> <p>1. Enter cooking time by touching number pads. (Ex: 1 min. 30 sec.)</p> <p>2. Touch START.</p> <p>Variable Power Cooking</p> <p>1. After Step 1 above, touch POWER LEVEL pad.</p> <p>2. Select power level. (Ex: 50%).</p> <p>3. Touch START.</p> | <p style="text-align: center;">1 3 0</p> <p style="text-align: center;">START MINUTE PLUS</p> <p style="text-align: center;">POWER LEVEL</p> <p style="text-align: center;">5</p> <p style="text-align: center;">START MINUTE PLUS</p> | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|--|-----------------|-----------------|------------------|-------------------|-----------------|----------|-----------------|----------|---------------------|----------|--|--|--------------|----------------------------|----------------------|----------|--|--|
| <p>INSTANT ACTION INSTANT START</p> <p>1. Touch POPCORN pad once for regular size. Twice -- light regular size 3 times -- snack size 4 times -- light snack size</p> | <p style="text-align: center;">POPCORN</p> | <p>MINUTE PLUS</p> <p>Touch Minute Plus for one minute at 100% power or to add a minute during manual cooking. Continue to touch for additional minutes.</p> | <p style="text-align: center;">START MINUTE PLUS</p> | | | | | | | | | | | | | | | | | | | |
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