

# Montgomery Ward®

# Montgomery Ward®

*Sleek and  
stylish to fit  
any décor*

1.1 Cu. Ft. Microwave Oven



## Instruction Manual

Item No.: 724719  
120V~, 60Hz, 1500W

MODEL: P100N30AL-ZF

Montgomery Ward Customer Service  
1112 7<sup>th</sup> Avenue, Monroe, WI 53566  
8:00 am to Midnight, Monday through Friday

Wards.com 1-888-557-3848

Wards.com 1-888-557-3848



Thank you for purchasing your Microwave Oven by Montgomery Ward®. We guarantee that it will perform to the highest standard, time after time, with all the convenience, easy cleanup and durability you rely on from Wards.

Your new 1.1 Cu. Ft. Microwave Oven offers substantial size and power and is designed to conveniently sit on your countertop. With the defrost feature, you can go from freezer to table. One-touch auto buttons make cooking easy and convenient.

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3102543  
Conforms to UL Std. 471  
Certified to CSA Std. C22.2 No. 120-13

## PLEASE SAVE THESE INSTRUCTIONS

THIS APPLIANCE IS FOR INDOOR USE ONLY

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## Important Safeguards

### PLEASE READ THESE INSTRUCTIONS BEFORE USE

To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy, basic safety precautions should be followed, including the following:

**WARNING: TO AVOID THE RISK OF ELECTRICAL SHOCK, ALWAYS MAKE SURE THE PRODUCT IS UNPLUGGED FROM THE ELECTRICAL OUTLET BEFORE ASSEMBLING, DISASSEMBLING OR RELOCATING. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.**

1. Read and follow the "Precautions to Avoid Possible Exposure to Excessive Microwave Energy" on p. 4.
2. The microwave must be grounded. Connect only to properly grounded outlets. See p. 5 for grounding instructions.
3. Install or place this microwave oven only in accordance with the instructions in this guide.
4. Some produce, such as whole eggs, and sealed containers and closed jars are able to explode and should not be heated in this oven.
5. 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.
6. Close supervision is necessary when any appliance is used by or near children. Do not allow children to climb inside of appliance.
7. To reduce the risk of fire in the oven cavity:
  - a. Do NOT overcook food. Carefully attend to the microwave when paper, plastic or other combustible materials are placed inside the microwave to facilitate cooking.
  - b. Remove wire twist ties from paper or plastic bags before placing in microwave.
  - c. If materials inside the microwave should ignite, keep microwave door closed, turn it off and disconnect the power cord or turn off the power fuse at the circuit breaker panel.
  - d. Do NOT use the microwave cavity for storage purposes.
  - e. Do NOT leave paper products, cooking utensils or food in the cavity when not in use.
8. Do NOT store this microwave outdoors.
9. Do NOT heat oil or fat for deep-frying. It is difficult to control the temperature of oil in the microwave and poses a fire hazard.
10. Pierce foods with heavy skins, such as potatoes, whole squash, apples and chestnuts before cooking.
11. Do NOT cover or block any openings on the microwave.

- Water, coffee or tea may overheat beyond the boiling point without appearing to be boiling due to surface tension of the liquid. Visible bubbling or boiling when the container is removed from the microwave is not always present.

**THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID.**

- Do NOT overheat the liquid.
  - Stir the liquid both before AND halfway through heating.
  - Do NOT use straight-sided containers with narrow necks.
  - After heating, allow the container to stand in the microwave a short time before removing.
  - Use extreme care when inserting a spoon or other utensil into the container.
- The contents of heating containers should be stirred or shaken and the temperature should be checked before serving to avoid burns.
  - Cooking utensils may become hot from heat transferred from the heated food. Potholders may be needed to handle the utensils.
  - Do NOT use this microwave near water (like in a kitchen sink, near a swimming pool, in a wet basement or a similar location).
  - Do NOT operate this microwave if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
  - Do NOT immerse the cord or plug in water. Keep cord away from heated surfaces. Do NOT let the cord hang over the edge of the table or counter.
  - Use only thermometers designed for microwaves.
  - Do NOT operate any heating or cooking appliance beneath the microwave.
  - Be certain the glass tray, shaft and roller rings are in place when the unit is in use.
  - Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been damaged in any manner. Call our toll-free customer service number for information regarding returning or replacing the product.

**Precautions to avoid exposure to excessive microwave energy:**

- Do NOT attempt to operate this microwave with the door open. Door open operation can result in harmful exposure to microwave energy. It is important not to tamper with safety interlocks.
- Do NOT place any objects between the microwave front face and the door, or allow soil or cleaner residue to accumulate on sealing surfaces.
- Do NOT operate the microwave if damaged. It is particularly important that the microwave door be properly closed and there is no damage to the: (1) door (bent), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.
- The microwave does not contain user serviceable parts. If you have problems, please contact our toll-free customer service number for information.

This microwave must be grounded. In the event of an electrical short circuit, grounding reduces risk of electric shock by providing an escape wire for the electric current.

**Short Cord Instructions**

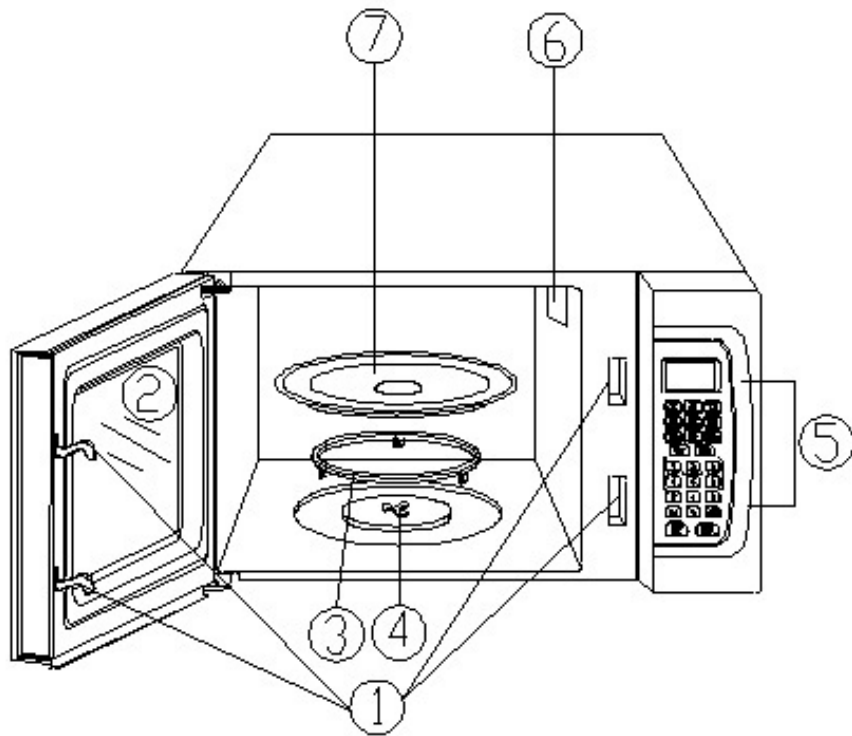
- A short power supply cord is provided to reduce the risk resulting from becoming entangled in or tripping over a longer cord.
- Longer detachable power supply cords or extension cords are available and may be used if care is exercised in their use.
- If a long detachable power cord or extension cord is used:
  - The marked electrical rating of the detachable power supply cord or extension cord should be at least as great as the electrical rating of the appliance.
  - If the appliance is of the grounded type, the extension cord should be the same type 3-wire.
  - The longer cord should be arranged so that it will not drape over the countertop or tabletop where it can be pulled on by children or tripped over.

**Electrical Requirements:**

- The electrical requirements for this microwave are 120 volt, 60 Hz, AC only, 20 amp.
- It is recommended that a separate circuit serving only the microwave be provided.
- The microwave is equipped with a 3-prong grounding plug. It must be plugged into a wall outlet properly installed and grounded.

**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 circuit, relocate the TV or radio as far away from the oven as feasible or check position and signal of receiving antenna.



1. Door Safety Lock System
2. Oven Window
3. Roller Ring
4. Shaft
5. Control Panel
6. Wave Guide (Do not remove the mica plate covering the wave guide)
7. Glass Tray

**Control Panel**

**Display** - Cooking time, power, indicators and clock time are displayed.

**Power Level** - Use to select microwave power level.

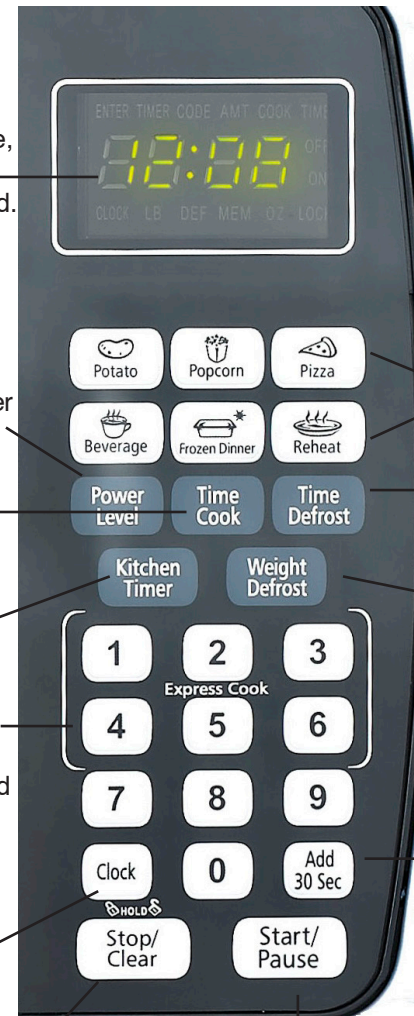
**Time Cook** - Use to set the length of cooking time.

**Kitchen Timer** - Use to set timer.

**Number Pad (0-9)** - Use to adjust power level, enter time or food weight. Use number buttons 1-6 to set express cook.

**Clock** - Use to set the current time.

**Stop/Clear** - Use to cancel all settings or set child lock.



**Auto Cook Menus** - Use any of the six menus to set auto cook program.

**Time Defrost** - Use to set time defrost program.

**Weight Defrost** - Use to set weight defrost program.

**Add 30 Seconds** - Use to set quick start program or add cooking time during cooking program.

**Start/Pause** - Use to start or pause a cooking program.

1. After unpacking, dispose of all packing materials in accordance with local ordinances.
2. Check the oven for any damage, such as misaligned or bent door, damaged door seals and sealing surface, 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 Customer Service at our toll-free number.
3. Place microwave on a flat, stable surface to hold its weight and the heaviest food likely to be cooked in the oven.
4. Do not place the oven where heat, moisture or high humidity are generated, or near combustible materials.
5. For correct operation, the oven must have sufficient air flow. Allow 8" of space above the oven, 4" at back and 2" at both sides. Do not cover or block any openings on the appliance. Do not remove feet on which oven stands.
6. Do not operate the oven without glass tray, roller support and shaft in their proper positions.
7. Make sure that the power cord is undamaged and does not run under the oven or over any hot or sharp surface.
8. The socket must be readily accessible so the microwave oven can be easily unplugged in an emergency.

During cooking, if the **Start/Pause** button is pressed or the door is opened, the program will be paused. To resume the program, press the Start/Pause button. Press the **Stop/Clear** button to cancel the program.

After cooking, the microwave will beep every two minutes or until the Stop/Clear button is pressed or the door is opened.

### Setting the Clock

Press the Clock button to select a 12 or 24 hour clock. To enter the current time:

1. Press the **Clock** button once.
2. Use the **Number Pad** to enter the time.
3. Press the **Clock** button again to confirm.

To view the clock while cooking, press the **Clock** button once.

### Timer

The timer can be set for a maximum of 99 min. 59 sec. To set the timer while the microwave is in cook or standby mode:

1. Press the **Kitchen Timer** button.
2. Enter desired amount of time using the **Number Pad**.
3. Press the **Kitchen Timer** button to start.

The time can be checked while cooking by simply pressing the button.

**Note:** If the button is pressed and held for 3 seconds, the function will be cancelled.

### Child Lock

Use to prevent unsupervised operation of the oven by small children. The oven cannot be operated while the Child Lock is set.

To set the Child Lock: Press and hold the **Stop/Clear** button for 3 seconds. A beep will sound letting you know that the child lock is turned on.

To cancel the Child Lock: Press and hold the **Stop/Clear** button for 3 seconds. A beep will sound letting you know that the child lock is turned off.

### Microwave Cooking

You can choose the power level and the amount of time for cooking. The longest cooking time is 99 minutes, 59 seconds. Adjust the power level by pressing **Power Level** and then using the **Number Pad** to select the desired power level (as shown in the chart below).

#### Power Level

Level	100%	90	80	70	60	50	40	30	20	10
Number Pad	1, 0	9	8	7	6	5	4	3	2	1
Display	PL10	PL9	PL8	PL7	PL6	PL5	PL4	PL3	PL2	PL1

To use this feature:

1. Press **Time Cook** once, the display will show "00:00."
2. Use the **Number Pad** to input the cooking time.
3. Press **Power Level** followed by the number of the desired level. The default power setting is 100% (PL10).
4. Press **Start/Pause** to start cooking.

Suppose you want to cook for 5 minutes at 60% microwave power:

- a. Press **Time Cook** once.
- b. Press "5," "0," "0" in order.
- c. Press **Power Level** once, then press "6" to select 60% power.
- d. Press **Start/Pause** to start cooking.

### Express Cooking

Rather than selecting a power level and precise time for cooking, you can quickly start cooking at 100% power, using two different methods:

1. In standby mode, press the **Add 30 Sec** button to set the cooking time in 30 second increments. This button can be pressed multiple times to increase cooking time.
2. In standby mode, press buttons **1–6** on the **Number Pad** for 1–6 minutes of cook time.

### Weight Defrost

1. Press **Weight Defrost**; the display will show “DEF1.”
2. Use the **Number Pad** to input weight to be defrosted (weight must be entered in pounds and ounces up to 6 lb.).
3. Press **Start/Pause** to start defrosting. The microwave will beep and pause to let you know when to turn food over for even defrosting.

If weight on label is shown only in pounds, use the chart below to convert the fraction of the pound to ounces.

Fraction of a Pound	Ounces	Fraction of a Pound	Ounces
Less than .03	0	.54 to .59	9
.03 to .09	1	.60 to .65	10
.10 to .15	2	.66 to .71	11
.16 to .21	3	.72 to .78	12
.22 to .27	4	.79 to .84	13
.28 to .34	5	.85 to .90	14
.35 to .40	6	.91 to .97	15
.41 to .46	7	above .97	Go to next even ounce
.47 to .53	8		

### Timed Defrost

1. Press **Time Defrost** button.
2. Enter the amount of time for defrosting using the **Number Pad**. Maximum time is 99 min. 59 sec.
3. Press **Start/Pause**.

While defrosting, the current power level (30% is default) can be seen by pressing the Power Level button. Use the Number Pad to change the Power Level.

### Auto Cook

With the Auto Cook programs, the power level and time are set for you. This is one-touch cooking at its best.

#### POTATOES:

Press the **Potato** Auto Cook button one to three times for one to three potatoes.

#### POPCORN:

Press the **Popcorn** Auto Cook button once for a 3.5-oz. bag.

#### PIZZA:

Press the **Pizza** Auto Cook button once for one piece and twice for two pieces of pizza.

#### BEVERAGE:

Press the **Beverage** Auto Cook button up to four times for every four ounces of beverage. One press = 4 oz. Four presses = 16 oz.

#### FROZEN DINNER:

Press the **Frozen Dinner** Auto Cook button once for one 7–9 oz. frozen dinner or twice for a larger frozen dinner or two smaller dinners.

#### REHEAT:

Press the **Reheat** Auto Cook button once to reheat 10–14 oz. of food.

### Multistage Cooking

The microwave oven can be programmed for up to 3 automatic cooking sequences (one speed defrost with two microwave cooking programs or two stages of microwave cooking programs). Suppose you want to set the following cooking program: microwave cooking followed by microwave cooking with a lower power level.

1. Use the **Number Pad** to enter the desired cooking time.
2. Press **Power Level** then use the **Number Pad** to set the power level.
3. Press **Time Cook** and enter desired cooking time for the 2nd stage cooking using the Number Pad.
4. Press **Power Level** then use the **Number Pad** to select the 2nd stage power level.
5. Press **Start/Pause**.

**Note:** Express and Auto Cook cannot be set in multistage cooking mode.

This section lists which utensils can be used in this microwave, which have limited use for short periods and which should not be used in this microwave.

### Recommended:

**Microwave Browning Dish**—Use to brown the exterior of small items such as steaks, chops or pancakes. Follow the directions provided with your browning dish.

**Microwaveable Plastic Wrap**—Use to retain steam. Leave a small opening for some steam to escape and avoid placing it directly on the food.

**Paper Towels and Napkins**—Use for short-term heating and covering; these absorb excess moisture and prevent splattering. Do NOT use recycled paper towel (may contain metal pieces and could ignite).

**Glass and Glass-Ceramic bowls and dishes**—Use for heating and cooking.

**Paper plates and cups**—Use for short-term heating at low temperatures. Do NOT use recycled paper (may contain metal and could ignite).

**Wax paper**—Use as a cover to prevent splattering.

**Thermometers**—Use only those labeled “Microwave Safe” and follow all directions. Check the food in several places. Conventional thermometers may be used on microwaved food once the food has been removed from the microwave.

### Limited Use:

**Ceramic, porcelain and stoneware**—Use these if they are labeled “Microwave Safe.” If they are not labeled, test them to make sure they can be used safely.

**Plastic**—Only use if labeled “Microwave Safe.” Other plastics may melt.

**Aluminum Foil**—Use narrow strips of foil to prevent overcooking of exposed areas. Use foil sparingly to avoid damage to oven. Keep a minimum distance of 1 in. between foil and oven walls.

### Not Recommended:

**Glass jars and bottles**—Regular glass is too thin to be used in a microwave. It can shatter and cause damage and injury.

**Paper bags**—These are a fire hazard, except for popcorn bags, which are designed for microwave use.

**Styrofoam plates and cups**—These can melt and leave unhealthy residue on food.

**Plastic storage and food containers**—Containers such as margarine tubs can melt in the microwave.

**Metal utensils**—These can damage your oven. Remove all metal before cooking.

**Wood**—Wood will dry out when used in the microwave oven and may split or crack.

**Note:** To check if a dish is safe for microwaving, place the empty dish in the microwave and cook on HIGH for 30 seconds. A dish that becomes very hot should not be used.

Your microwave makes cooking easier than conventional cooking, provided you keep these considerations in mind:

### Stirring:

- Stir foods such as casseroles and vegetables while cooking to distribute heat evenly.
- Food at the outside of the dish absorbs more energy and heats quicker, so stir from the outside to the center.
- The microwave will turn off when you open the door to stir your food.

### Arrangement:

- Arrange evenly shaped foods, such as chicken pieces or chops, with the thicker, meatier parts toward the outside of the turntable where they receive more microwave energy.

### Standing:

- Foods cooking in a microwave build up internal heat and continue to cook for a few minutes after heating stops.
- Let foods stand to complete cooking, especially for foods such as cakes and whole vegetables.
- Roasts need this time to complete cooking in the center without overcooking the outer areas.
- All liquids, such as soup or hot chocolate, should be shaken or stirred when cooking is complete.
- When heating baby food, stir well after removing from microwave and test temperature before serving.

### Adding Moisture:

- Microwave energy is attracted to water molecules.
- Food that is uneven in moisture content should be covered or allowed to stand so that the heat disperses evenly.
- Add a small amount of water to dry food to help it cook.

## Cleaning and Care

1. Turn off the microwave and unplug the power cord from the wall before cleaning.
2. Keep the inside of the microwave clean, especially the wave guide. When food splatters or spilled liquids adhere to the microwave walls, wipe with a damp cloth. Mild detergents may be used if the microwave gets very dirty. Avoid using spray or other harsh cleaners. They may stain, streak or dull the door surface.
3. The outside of the microwave should be cleaned with a damp cloth. To prevent damage to the operating parts inside the microwave, water should not be allowed to seep into the ventilation openings.
4. Wipe the window on both sides, the door seals and adjacent parts with a damp cloth to remove any spills or splatters.
5. Do NOT allow the control panel to become wet. Clean with a soft, damp cloth. When cleaning the panel, leave the microwave door open to prevent it from accidentally turning on.
6. If steam accumulates inside or around the outside of the door, wipe with a soft cloth. This may occur when the microwave is operated under high humidity and is normal.
7. It may be necessary to remove the glass tray for cleaning. Wash the tray in warm, soapy water or in a dishwasher. The roller ring and microwave floor should be cleaned regularly to avoid excessive noise. Wipe the bottom surface of the microwave with a mild detergent.
8. The roller ring may be washed in mild, soapy water or in a dishwasher. When removing the roller ring, be sure to replace it in the proper position.
9. Remove odors from your microwave by combining a cup of water with the juice and skin of one lemon in a microwaveable bowl. Microwave for 5 minutes. Wipe thoroughly and dry with a soft cloth.
10. The microwave should be cleaned regularly and any food deposits should be removed. Failure to maintain the microwave in a clean condition could lead to deterioration of surfaces that could adversely affect the life of the unit and could possibly result in a hazardous situation.
11. Please do not dispose of this appliance in a regular garbage receptacle. Please check to see where you can dispose of such appliances.
12. If the light bulb burns out, contact our toll-free customer service number for information.

## 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 our toll-free customer service number for information.

Problem	Possible Cause	Remedy
Oven will not start	<ol style="list-style-type: none"> <li>a. Electrical cord for oven is not plugged in</li> <li>b. Door is open</li> <li>c. Wrong operation is set</li> </ol>	<ol style="list-style-type: none"> <li>a. Plug into the outlet</li> <li>b. Close the door and try again</li> <li>c. Check instructions</li> </ol>
Arcing or sparking	<ol style="list-style-type: none"> <li>a. Materials to be avoided in the oven were used</li> <li>b. The oven is operated while empty</li> <li>c. Spilled food remains in the cavity</li> </ol>	<ol style="list-style-type: none"> <li>a. Use microwave-safe cookware only</li> <li>b. Do not operate with the oven empty</li> <li>c. Clean cavity with a damp towel</li> </ol>
Unevenly cooked foods	<ol style="list-style-type: none"> <li>a. Materials to be avoided in the microwave oven were used</li> <li>b. Food is not defrosted completely</li> <li>c. Cooking time, power level is not suitable</li> <li>d. Food is not turned or stirred</li> </ol>	<ol style="list-style-type: none"> <li>a. Use microwave-safe cookware only</li> <li>b. Completely defrost food</li> <li>c. Use correct cooking time, power level</li> <li>d. Turn or stir food</li> </ol>
Overcooked foods	Cooking time, power level is not suitable	Use correct cooking time, power level
Undercooked foods	<ol style="list-style-type: none"> <li>a. Materials to be avoided in the microwave oven were used</li> <li>b. Food is not defrosted completely</li> <li>c. Oven ventilation ports are restricted</li> <li>d. Cooking time, power level is not suitable</li> </ol>	<ol style="list-style-type: none"> <li>a. Use microwave-safe cookware only</li> <li>b. Completely defrost food</li> <li>c. Check to see that oven ventilation ports are not restricted</li> <li>d. Use correct cooking time, power level</li> </ol>
Improper defrosting	<ol style="list-style-type: none"> <li>a. Materials to be avoided in microwave oven were used</li> <li>b. Cooking time, power level is not suitable</li> <li>c. Food is not turned or stirred</li> </ol>	<ol style="list-style-type: none"> <li>a. Use microwave-safe cookware only</li> <li>b. Use correct cooking time, power level</li> <li>c. Turn or stir food</li> </ol>



If any item, for any reason, does not meet your expectations, just return it to us. We'll gladly either:

- Refund your merchandise amount
- Credit your account
- Send a replacement

You can return any unused item in its original packaging within 60 days of its receipt for a full refund of the purchase price (excluding shipping and handling charges).

**Please send returns to:**

**Montgomery Ward, Inc.  
Attn: Customer Returns  
2000 Harrison Suite 100  
Clinton, IA 52732-6676**

**When returning an item:**

- Use the original packaging and pack it securely.
- Please adequately insure your item in case you need to make a claim with the carrier you choose for returning your item.
- Include your order number and reason for return.
- We recommend keeping the receipt for 4 weeks.

# Montgomery Ward®

Improving American Homes Since 1872



## 1 Year Limited Warranty

Montgomery Ward, Inc. warrants this product to be free from defects in material and workmanship for one year from provable date of purchase.

Within this warranty period, Montgomery Ward will repair or replace, at its option, defective parts of this product at no charge, provided the product is returned, freight prepaid with proof of purchase to Montgomery Ward. Allow 2-4 weeks for return shipping.

This warranty does not cover improper installation, misuse, abuse or neglect on part of the owner. Warranty is also invalid in any case that the product is taken apart or serviced by an unauthorized service station.

This warranty gives you specific legal rights and they may vary from state to state.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Montgomery Ward Customer Service  
8:00 am to Midnight CST, Monday through Friday

Wards.com 1-888-557-3848