

## Samsung MC28A5137KK/E1

# Samsung MC28A5137KK/E1 28L 900W Convection Microwave Oven User Manual

Model: MC28A5137KK/E1

## 1. IMPORTANT SAFETY INFORMATION

Read all instructions carefully before using the appliance. Keep this manual for future reference. Failure to follow these instructions may result in electric shock, fire, or injury.

- Do not attempt to operate this oven with the door open as this can result in harmful exposure to microwave energy.
- Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- 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 surfaces.
- The oven should not be adjusted or repaired by anyone except properly qualified service personnel.
- Ensure the appliance is properly grounded.
- Do not use corrosive chemicals or vapors in this appliance.
- Always use oven mitts when handling hot items from the oven.

## 2. PRODUCT OVERVIEW

The Samsung MC28A5137KK/E1 is a 28-liter convection microwave oven designed for versatile cooking. It combines microwave, grill, and convection functions to offer a wide range of cooking possibilities.



Figure 2.1: Front view of the microwave oven.

### Key Features:

- **Sensor Cook:** Automatically adjusts cooking time and power by detecting the moisture level of food, ensuring optimal texture and flavor.
- **Slim Fry:** Utilizes hot air circulation to cook food, achieving a crispy exterior and juicy interior with minimal oil, offering a healthier frying alternative.
- **Dough Proof/Yogurt Function:** Provides the correct temperature environment for proofing homemade dough or making fresh yogurt.
- **Eco Mode:** Reduces energy consumption significantly in standby mode, minimizing power usage when the microwave is not actively in use.
- **Defrost Function:** Quickly and evenly thaws frozen foods, preserving their freshness and original texture.



Figure 2.2: Interior view with ceramic enamel coating and glass turntable.



Figure 2.3: Detailed view of the control panel.

## 3. SETUP AND INSTALLATION

Proper installation ensures safe and efficient operation of your microwave oven.

### 3.1 Unpacking

- Remove all packaging materials from inside and outside the oven.
- Check the oven for any damage, such as dents or a misaligned door. Do not operate the oven if it is damaged.
- Ensure all accessories, including the glass turntable, roller ring, and wire rack, are present.

### 3.2 Placement

- Place the oven on a flat, stable surface that can support its weight and the heaviest food item likely to be cooked in it.
- Maintain a minimum clearance of 20 cm (8 inches) above the oven, 10 cm (4 inches) at the rear, and 5 cm (2 inches) on both sides for proper ventilation.
- Do not block any ventilation openings on the oven.
- Keep the oven away from heat sources and strong magnetic fields.



Figure 3.1: Side view illustrating ventilation requirements.

### 3.3 Electrical Connection

- Plug the oven into a dedicated, properly grounded electrical outlet. Do not use an extension cord.
- Ensure the voltage and frequency match the specifications on the rating label of the oven.



Figure 3.2: Rear view showing power connection area.

## 4. OPERATING INSTRUCTIONS

This section details how to use the various functions of your Samsung convection microwave oven.

### 4.1 Basic Microwave Cooking

1. Place food in a microwave-safe container on the glass turntable.

2. Close the door securely.
3. Select the 'Microwave' function.
4. Use the rotary dial to set the desired cooking time and power level.
5. Press 'Start/+30s' to begin cooking.

## 4.2 Convection Cooking

Convection cooking uses a fan to circulate hot air, similar to a traditional oven.

1. Place food on the wire rack (if applicable) or a heat-resistant dish.
2. Select the 'Convection' function.
3. Set the desired temperature and cooking time using the rotary dial.
4. Press 'Start/+30s' to begin. The oven will preheat if necessary.

## 4.3 Grill Function

The grill function is ideal for browning and crisping food.

1. Place food on the wire rack.
2. Select the 'Grill' function.
3. Set the desired cooking time.
4. Press 'Start/+30s' to begin.

## 4.4 Combi (Combination) Cooking

Combination mode uses both microwave and convection/grill functions for faster and more thorough cooking.

1. Place food in an appropriate dish.
2. Select the 'Combi' function.
3. Choose the desired combination mode (e.g., Microwave + Convection, Microwave + Grill).
4. Set the temperature and time.
5. Press 'Start/+30s' to begin.

## 4.5 Sensor Cook

For automatic cooking based on food moisture:

1. Place food in the oven.
2. Select the 'Sensor Cook' function.
3. Choose the appropriate food category (e.g., vegetables, potatoes).
4. Press 'Start/+30s'. The oven will detect moisture and adjust cooking time automatically.

## 4.6 Slim Fry

To prepare healthier fried dishes:

1. Place food on the Crusty Plate (if included) or a suitable dish. Add a small amount of oil if desired.
2. Select the 'Slim Fry' function.
3. Choose the food type and weight.
4. Press 'Start/+30s'.

## 4.7 Dough Proof / Yogurt

For fermentation processes:

1. Prepare your dough or yogurt mixture in a suitable container.
2. Select the 'Dough Proof/Yogurt' function.
3. Choose the desired program (e.g., pizza dough, bread dough, yogurt).
4. Press 'Start/+30s'. The oven will maintain the optimal temperature.

#### 4.8 Power Defrost

For quick and even defrosting:

1. Place frozen food in a microwave-safe dish.
2. Select the 'Power Defrost' function.
3. Enter the weight of the food.
4. Press 'Start/+30s'. The oven will calculate the defrosting time.

#### 4.9 Eco Mode

To activate Eco Mode, press the 'Stop/Eco' button. This reduces power consumption when the oven is not in use.

#### 4.10 Child Safety Lock

To activate the child safety lock, press and hold the 'Lock (3 sec)' button for 3 seconds. The lock indicator will appear on the display. To deactivate, press and hold the button again for 3 seconds.

## 5. MAINTENANCE AND CLEANING

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Regular cleaning and maintenance will prolong the life of your microwave oven.

### 5.1 Cleaning the Interior

The ceramic enamel interior is designed for easy cleaning and scratch resistance.

- After each use, wipe the interior with a damp cloth to remove food splatters.
- For stubborn stains, use a mild detergent and a soft cloth. Avoid abrasive cleaners or scouring pads.
- To remove odors, place a bowl of water with lemon slices inside and microwave for a few minutes.

### 5.2 Cleaning the Exterior

- Wipe the exterior surfaces with a soft, damp cloth.
- Clean the control panel gently with a soft, damp cloth. Avoid excessive moisture.

### 5.3 Cleaning Accessories

- The glass turntable and roller ring can be washed in warm, soapy water or in a dishwasher.
- Clean the wire rack and Crusty Plate (if included) with warm, soapy water.

## 6. TROUBLESHOOTING

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If you encounter issues with your microwave oven, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Oven does not start	Power cord not plugged in; Door not closed properly; Fuse blown or circuit breaker tripped.	Ensure power cord is securely plugged in; Close the door firmly; Check household fuse or reset circuit breaker.
Food not heating	Incorrect cooking time/power level; Food not suitable for microwave; Door not closed properly.	Adjust time/power; Use microwave-safe dishes; Ensure door is fully closed.
Turntable not rotating	Turntable or roller ring not correctly placed; Obstruction under turntable.	Re-position turntable and roller ring; Remove any obstructions.
Unusual noises	Food container touching oven walls; Turntable not properly seated.	Ensure container does not touch walls; Re-seat turntable.
Oven light not working	Bulb needs replacement.	Contact qualified service personnel for bulb replacement.

If the problem persists after attempting these solutions, contact Samsung customer support.

## 7. SPECIFICATIONS

**Model Number:**

MC28A5137KK/E1

**Brand:**

Samsung

**Capacity:**

28 Liters

**Wattage:**

900 Watts

**Color:**

Black

**Material:**

Ceramic (Interior)

**Installation Type:**

Countertop

**Product Dimensions (D x W x H):**

47.6 cm x 52 cm x 31 cm (approximately 18.74 in x 20.47 in x 12.2 in)

**Special Features:**

Child Safety Lock, Defrost, Eco Mode, Turntable, Scratch Resistant, Timer

**Components Included:**

Crusty Plate, Wire Rack

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Samsung website for your region. You can also contact Samsung customer service directly for assistance with product registration, troubleshooting, or service requests.

**Samsung Customer Service:** Please visit [www.samsung.com/support](http://www.samsung.com/support) for contact details and support resources specific to your country.