



Microwave with Grill Function 23L User Manual SY-MW50G

WELCOME

Thank you for having purchased the SY-MW50G Microwave Oven with Grill. Please read the instructions carefully in order to get the most out of your new product. Store the user manual in a safe place for future reference.

INSTALLATION

- Remove the packaging and take out the distance limiter from the accessories pack inside the microwave oven (some models have it installed already), extend the power cord according to the place where the microwave is placed and the distance limiter, install by following the given instructions. The purpose of the distance limiter is to maintain the microwave oven at a certain distance from the wall.
- 2. Take out all the packing. Carefully check whether the microwave oven has received no damage, such as:
 - A. The oven cavity is broken or bent.
 - B. The door is not flat; the switch is not smooth and flexible.
 - C. The metal Insulated mesh on the door is bent or deformed.
 - D. The power cord is loose or damaged.

IF any of the above situations are encountered, please contact Sytech Service Center immediately.

- 1. Microwave ovens must be placed under dry and non-corrosive environments and kept away from heat and humidity, such as gas burners or water tanks.
- 2. To ensure sufficient ventilation, the distance from the back of microwave to the wall should be at least 10 cm (use the distance limiter in this case). The distance between the microwave sides and the wall should be at least 5 cm. The distance between the microwaves top surface and the wall or anything above it should be at least 20 cm.
- 3. No TV, Radio or antenna should be placed near the microwave in order to avoid disturbance. The minimum distance is 5m.
- 4. The appliance must be positioned in a specific way so that the plug is always accessible, and must ensure a good earthing.
- 5. The microwave oven shall not be placed in a cabinet.

FIXING THE DISTANCE LIMITER



BEFORE FIRST USE

Due to the possible presence of manufacturing residue or oil in the oven cavity or on the heating element, a possible odor might exist including some smoke; this is a normal situation and will not occur after having used the product several times. Keep the door or window open to ensure good ventilation in the area where the microwave oven is placed. In order to reduce the odor before the first use, it is strongly recommended set the microwave oven to the grill mode and operate it dry a couple of times.

Operating dry should only be conducted in the grill mode; it should NOT be conducted in combination mode

IMPORTANT SAFETY INSTRUCTIONS

When using the Microwave oven, the following precautions must be observed:

- 1. This manual contains important installation and safely information. Please read all instructions carefully before using and keep it well for future reference
- 2. Make sure the voltage in your living area corresponds to the one shown on the rating label of the appliance. Also make sure all the wall sockets are properly grounded.
- 3. To reduce the risk of fire in the oven cavity:
 - A. Do not overcook the food.
 - B. Remove wire twist-ties from paper or plastic bags before placing bags in the oven.

C. Do not use it for deep frying purpose by heating oil or fat, as the temperature of the oil cannot be controlled.

D. If smoke is observed, switch off or unplug the appliance and keep the door closed in order to trap any flames.

E. When heating food in plastic or paper containers, keep an eye on the microwave in order to avoid any flames/smoke.

4. To reduce the risk of burns and explosion:

A. Liquids or other foods must not be heated in sealed containers since they are likely to explode. Baby bottles fitted with a screw cap or teat are considered to be sealed containers.

B. Microwave heating of beverages can result in delayed eruptive boiling; therefore care must be taken when handling the container.

C. Potatoes, sausage and chestnut should be peeled or pierced before cooking. Eggs in their shell, whole hard-boiled eggs should not be heated in microwave ovens since they may explode, even after microwave heating has ended.

D. The contents of feeding bottles and baby food jars should be stirred or shaken and the temperature must be checked before consumption, in order to avoid burns.

5. If either one of the following occurs:

- A. The door is damaged
- B. The door seals are damaged
- C. The microwave oven does not function properly;

Do not operate the microwave oven any further until it has been repaired by a qualified person 6. If the supply cord is damaged, contact Sytech Service Centre.

- 7. If the container becomes very hot after cooking, use gloves to handle it.
- 8. To avoid steam burns, direct the steam away from the face and hands by slowly lifting the furthest edge of dish cover or microwave plastic wrap. For popcorn or oven cooking bags, open carefully away from the face.
- 9. To prevent the turntable from breaking, allow the turntable (glass plate) to cool down before cleaning.
- 10. Make sure the utensils do not touch the interior walls during cooking.
- 11. Only use utensils that are suitable for use in microwave ovens.
- 12. Do not use the microwave oven for storage of food or other non-food items.
- 13. Do not operate the microwave oven without any liquid or food inside the oven. This would seriously damage the appliance.
- 14. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 15. Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use
- 16. Children should be supervised to ensure that they do not play with the appliance.
- 17. When the appliance is operated in the combination mode, children should only use the oven under adult supervision due to the high temperatures generated
- 18. The temperature of nearby surfaces may be high when the appliance is operating.
- 19. During use the appliance becomes hot. Care should be taken to avoid touching the heating elements inside the oven.
- 20. Some parts may become hot during use. Young children should be kept away.
- 21. Any accessory not recommended by the manufacturer must not be used as this may cause personal injury.
- 22. Do not use the microwave oven outdoors.
- 23. This appliance is not intended to be operated by means of an external timer or a separate remote-control system
- 24. The lamp inside the product is used for lighting of the product. This lamp is not suitable for household room illumination.
- 25. Do not operate the microwave oven without the rotating ring and glass turntable.
- 26. Always keep the microwave oven clean as this will extend the useful life of the appliance. Remove all food deposits after use.
- 27. Do not use harsh abrasive cleaners or sharp metal scrapers to clean the oven glass door since they can scratch the surface which could cause the glass to shatter.
- 28. The microwave oven is not self-serviceable and must always be given to a qualified person to service. Never remove the outer cover of the microwave oven by yourself.
- 29. WARNING Microwave Radiation presence. Always be very careful when operating this appliance.

30. Device Group 2 Class B

This device is a Group 2 because it intentionally produced the radio frequency energy to treat the material and is intended to be used in a local home or a facility connected directly to the distribution of electricity at low voltage supplying domestic premises (Class B).

1. PRODUCT DESCRIPTION



- a. Do not remove the Waveguide cover during cleaning
- b. Make sure the Waveguide cover installation right and no damage during cooking

2. Control panel



3、LED instruction and display



Function and Operation method

When the unit has been plugged in the LED display screen will flash 3 times. The ":" continues to flash prompting you to input the cooking menu and time. Set the time accordingly as once it has been set it does not need to be reset even if the door is opened during cooking.

1. Auto reminder

When the preset cooking procedure has finished, the LED display will show "End" and three 'beeps' will be heard to indicate that the cooking has finished. If you do not press the Pause/Cancel button once or open the door the 'beep' will repeat every 3 minutes.

2. Clock setting

The "Preset Clock" button allows the user to set the current time. Below is a table indicating how to set the time on the microwave.

For example: to set 12:30		
	Button	Display
1	When the plug has been plugged in and the microwave turns on the colon flashes.	:
2	Press the Preset Clock button once	00:00
3	Press the Auto Cooking or Time Weight button to set exact hours.	12:00
4	Press the Preset Clock button once again.	12:00
5	Press the Auto Cooking or Time Weight button to set exact minutes.	12:30
6	Press the Preset Clock button once again or wait for 5 seconds, and the numbers will stop flashing. The time has now been set.	

3. Microwave cooking

This function is used for cooking and heating food. Press the Micro Power button and the LED display cycles to show 100P—80P—60P—40P—20P every time the Micro Power button is pressed.

High power	100% microwave power. Suitable for quick and thorough cooking
Medium High power	80% microwave power. Suitable for medium express cooking
Medium power	60% microwave power. Suitable for steaming food
Medium Low power	40% microwave power. Suitable for defrosting food
Low power	20% microwave power. Suitable for warming up food.

- a. The maximum time which can be set is 60minutes
- b. Never operate the oven empty.

c. If the food has to be turned in between the cooking process, simply open the door. Once the door has been closed again, press the Instant/Start button once and the preset cooking procedure will continue.

d. If you intend to remove the food before the preset time, you must press the Pause/Cancel button once to clear the preset procedure to avoid unintended operation when using the microwave again.

Example: To cook at P80 for 10 minutes.		
Button	S	Display
1	When the plug has been plugged in and the microwave turns on the colon flashes.	:
2	Select the desired microwave power by pressing the Micro Power button consecutively.	80P
3	Set the cooking time by pressing the Auto Cooking or Time Weight button	10:00
4	Press the Instant/Start button to start the cooking process and the LED display will indicate the remaining time.	

You may change the cooking time during the cooking process using the + or – buttons. It is recommended to turn the food at some point during the cooking process for a better and even heating/cooking. Press the Instant/Start button once again to continue after turning the food.

4. Grill/Microwave Combination Cooking

This function is used to grill food; Press the Grill Combi button and the LED Display will cycle to show G, C1, and C2. Select the desired level and begin the cooking process.

G	The Grill mode – where only the grill is working. The heating element will be energized when using this level for cooking. It is suitable for rolling thin meats or pork, sausage, chicken wings. A good brown color can be obtained when using the grill.
C1	Combination of Grill and microwave cooking. This level uses 30% microwave output and 70% grill output.
C2	Combination of Grill and microwave cooking. This level uses 55% microwave output and 45% grill output.

In the mode of convection/combo/grill, all of the oven parts, as well as the rack and cooking containers, may become very hot. Take care when removing any item from the oven and always use oven gloves to prevent burns.

Example: To grill food with at level C2 for 10 minutes.		
Buttons	Display	
1. When the plug has been plugged in and the microwave turns on the colon flashes.	:	
2. Press the Grill Combi button to select the desired grill level	C.2	
3. Set the cooking time using the Time Weight/Auto cooking buttons.	10:00	
4. Press the Instant Start button to start cooking		

5. Defrost

This function is used to defrost food. Press the Auto Defrost button and the LED display will cycle to show d.1 d.2 d.3.

d.1	For defrosting meat; weight range from 0.1 to 2.0 kg.
d.2	For defrosting poultry; weight range from 0.2 to 3.0kg.
d.3	For defrosting seafood; weight range from 0.1 to 0.9kg.

a. It is necessary to turn over the food during operation to obtain a uniform effect.

b. In most cases the defrosting time will be inferior to the cooking time.

c. When and if the food inserted to defrost, can be cut easily with a knife, or stirred with a spoon, the defrosting procedure has completed.

d. The microwave heat penetrates around 4cm into most kinds of food.

e. Defrosted food should be consumed as soon as possible; it is not advisable to re-freeze food which has been defrosted.

Example: To defrost 0.4kg of poultry		
	Buttons	Display
1	When the plug has been plugged in and the microwave turns on the colon flashes.	:
2	Press the Defrost button to set the defrost level.	d.2
3	Press the Instant/Start button to confirm	0.2
4	Press the Auto Cooking or Time Weight button to set the defrost weight.	0.4
6	Start cooking by pressing the Instant/Start button	
7	When the defrosting process reaches half way, 3 'beeps' will be heard twice indicating the user that the food should be turned over/stirred. Open the door and turn over the food. Close the door again and press the Instant/start button again to continue the defrosting procedure.	

6. Auto cooking

The SY-MW50G has an auto cooking menu for easy operation. When the LED display flashes the colon, press the Auto Cook button and the LED display screen will cycle to show A.1, A.2 all the way till A.8.

Choose the appropriate menu according to the food type and weight and strictly observe the directions in the table below.

Display	Type of Food	Method	
A.1	Popcorn	Suitable for popping a bag of corn. To check whether the popcorn is ready, pay attention to the popping speed and if the popping speed has been decreased to 1 time every1-2 seconds it is ready. Press the Stop/Clear button to stop the popping process.	
A.2	Popcorn	Same as A.1 but when using more quantity of popcorn.	
A.3	Pizza	Warm a piece of chilled pizza of approximately 0.15Kg	
A.4	Beverage	Heating a cup of 250 ml liquid. The liquid temperature is about 5-10°C. Use a big mouth cup and do not seal when inserting into the microwave.	
A.5	Beverage	Heating a cup of 500 ml liquid. The liquid temperature is about 5-10°C. Use a big mouth cup and do not seal when inserting into the microwave.	
A.6	Potato	Cooking potato strips. User must cut them into 5mm width, height and length. The total weight is about 0.45kg. Place the strips on a large dish and cover the dish with a thin film to prevent water loss	
A.7	Potato	Same as A.6 but when using more quantity of popcorn.	
A.8	Fish	Suitable for steaming a fish of approximately 0.45Kg. After the fish has been washed and the scales have been removed, make a slit on the skin of the fish, place it in a shallow dish of 22-27cm diameter and sprinkle it lightly with some ingredients and cover the dish with a thin film to prevent water loss. After cooking, wait for about a minute before serving.	

- **a.** The usual temperature of food before cooking is about 20-25℃. If the temperatures are higher or lower before cooking it would be required to increase or decrease the cooking time.
- b. The temperature, weight and shape of the food will largely influence the cooking effect. Set the cooking time accordingly.

Example: Steam 0.45kg fish	
Buttons	Display
1. When the plug has been plugged in and the microwave turns on the colon flashes.	:
2. Press the Auto Cooking or Time Weight button to set the cooking style.	A.8
3. Start cooking by pressing the Instant/Start button, and the LED display will indicate the remaining time.	6:30

7. Automatic starting (delayed function)

The SY-MW50G allows you to preset the cooking style and time at which it should begin. The setting consists of 2 simple steps:

- 1. Setting the current time;
- 2. Setting the cooking style and time.

Example: Now it is 12:30pm, and wish for the microwave to begin cooking automatically with 100P microwave power for 9 minutes and 30 seconds at 14:20.

	Buttons	Display
1	When the plug has been plugged in and the microwave turns on the colon flashes.	:
1.1	Press the Preset Clock button	00:00
1.2	Set the hours by pressing the Auto Cooking or Time Weight button.	12:00
1.3	Press the Preset Clock button again to confirm the hours.	12:00
1.4	Set the minutes by pressing the Auto Cooking or Time Weight button.	12:30
1.5	Press the Preset Clock button once or wait for 5 seconds, and the numbers will stop flashing.	12:30
2	Set the cooking style and time	
2.1	Select the cooking power by pressing the Power button	100P
2.2	Press the Auto Cooking or Time Weight button to set the cooking time.	9:30
2.3	Press and hold the Clock button for 3 seconds to return to the current time mode.	
3	Set the time you want the cooking to begin. Repeat the steps of 1.2, 1.3, 1.4	
4	Press the Clock button to confirm the automatic cooking process. Now the setting has been activated and the cooking process will begin automatically at 14:20.	
5	You may check the preset starting time by pressing the Clock button.	

8. Multi-sequence cooking

To obtain the best cooking results, some recipes call for different cooking styles and times. You may program your personalized menu as shown below:

Example: You want to cook a dish with 100P microwave power			
during 3 minutes and then at 20P microwave power for 9 minutes			
more. This	more. This involves setting the microwave in 2 different stages. See		
below:			
	Buttons	Display	
1	100P microwave power for 3mins		
1.1	Press the Power button to select the power level.	100P	
1.2	Press the Auto Cooking or Time Weight button to set the cooking time.	3:00	
2	Grill for 9min		
2.1	Press the Grill Combi button to select the desired grilling style.	20P	
2.2	Press the Auto Cooking or Time Weight button to set the cooking time.	9:00	
3	Start cooking by pressing the Instant/Start button.		

a. When the microwave power cooking has finished, the microwave oven will begin the grilling operation automatically.

b. Max 4 sequences can be set at one time, repeat the steps if needed.

9. Child lock function

Use this feature to lock the control panel when you are cleaning or so that children can not use the oven unsupervised. All the buttons are inoperable in this mode

	Buttons	Display
set lock	Press and hold the Stop/Clear button for about 3 seconds.	OFF
cancel lock	Press and hold the Stop/Clear button for about 3 seconds.	:

10. Utensils Guideline

It is strongly recommended to use the containers which are suitable and safe for microwave cooking. Generally speaking, the containers which are made of heat-resistant ceramic, glass or plastic are suitable for microwave cooking. Never use the metal containers for microwave cooking and combination cooking as sparks are likely to occur. Use the table below as a reference guide

Material of container	Microwave	Notes
Heat-resistant ceramic	Yes	Never use the ceramics which are decorated with a metal rim or are glazed.
Heat-resistant plastic	Yes	Can not be used for long time with microwave cooking
Heat-resistant glass	Yes	
Plastic film	Yes	It should not be used when cooking meat or chops as they tend to over-heat and this may damage the film.
Grill rack	No	
Metal container	No	It should not be used in microwave oven .Microwave can not penetrate through metal.
lacquer	Νο	Poor heat-resistant. Can not be used for High-temperature cooking
Bamboo wood and paper	No	Poor heat-resistant. Can not be used for High-temperature cooking

COOKING TIPS

The following factors may affect the cooking result:

Food arrangement

Place thicker areas towards the outer part of the dish and the thinner part towards the centre and spread it evenly. Do not overlap if possible.

Cooking time length

Start cooking with a short time setting, check to see if the food has been heated as desired or not. If not, place it back into the microwave oven and increase the cooking time as needed. Over cooking may result in smoke and burns.

Cooking food evenly

Food such as chicken, hamburgers or steaks should be turned once during cooking. Depending on the type of food, if applicable, stir it from outside to centre of dish once or twice during cooking.

Allow standing time

After the cooking process ends, leave the food inside the microwave oven for an adequate amount of time as this allows it to complete its cooking cycle and allows it to cool down in a gradual manner.

Checking whether the food has been cooked

Color and hardness of food help to determine if it is done, these include:

- Steam coming out from all parts of food, not just the edge
- Joints of poultry can be moved easily
- Pork or poultry shows no signs of being raw
- Fish is opaque and can be sliced easily with a fork

Browning dish

When using a browning dish or self-heating container, always place a heat-resistant insulator such as a porcelain plate under it to prevent damage to the turntable and rotating ring.

Microwave safe plastic wrap

When cooking food with high fat content, do not allow the plastic wrap come into contact with food as it may melt

Microwave safe plastic cookware

Some microwave safe plastic cookware might not be suitable for cooking foods with high fat and sugar content. Also, the preheating time specified in the dish instruction manual must not be exceeded

CLEANING & MAINTENANCE

Warnings:

- 1. It is hazardous for anyone other than a qualified person to carry out any service or repair to the microwave oven.
- 2. Remove the power cord from the wall outlet before cleaning.

- 3. Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.
- 4. The oven should be cleaned regularly and any food deposits should be removed.
- 5. Details for cleaning door seals, cavities and adjacent parts are explained further on in this manual.
- 6. Never use hard detergent, gasoline, abrasive powder or metal brush to clean any part of the appliance.
- 7. Do not remove the waveguide cover which is situated inside the microwave oven,
- 8. When the microwave oven has been used for a long time, there may be some strange odors in oven cavity. Following the 3 methods below will help to eliminate these odors:
 - a. Place several lemon slices in a cup and heat it with high power during 2-3 mins.
 - b. Place a cup of red tea in the oven and heat with high power for a few minutes.
 - Put some orange peel into the oven, and then heat them with high power during 1 minute.

TIPS for cleaning:

Exterior:

Wipe the enclosure with a moistened soft cloth.

Door:

Using a moistened soft cloth, wipe the door and window until it is clean. Wipe the door seals and adjacent parts to remove any spill or spatter and any food stains. Wipe the control panel with a very lightly moistened soft cloth.

Interior walls:

Wipe clean the interior surfaces with a moistened soft cloth Wipe clean the waveguide cover to remove any food stains.

Turntable / Rotation ring / Rotation axis:

The turntable and rotation ring are both removable. Remove them from the microwave oven and wash with mild soap water. Rinse with clean water and allow it to dry completely before placing it back into position.

For the rotation axis, carefully wipe it with a lightly moistened soft cloth.

SERVICING

Please check the following before calling for service or repair.

- 1. Check and ensure that the microwave oven is plugged in securely. If it is not, remove the plus from the outlet, wait 10 seconds and plus it in again securely
- 2. Check to see if there is no fused circuit, or if the cord is not damaged.
- 3. Check to see if the control panel is correctly set and the timer is working properly.
- 4. Check to see if there is nothing obstructing the doors from closing, as if the door is not well closed, the microwave oven will not begin to function.

To test the functioning of the microwave oven, follow the procedure below: -

1. Place one cup of water (approx.150ml) in a glass and place it in the oven. Close the door securely – to know if the door has been closed securely the oven lamp in the interior should go off. Now, let the oven work for 1 min.

2. Does the oven lamp light up? – If not, replace the bulb inside the microwave oven.

3. Does the cooling fan work? - Put your hand over the rear ventilation openings to check if the fan is functioning correctly.

4. Does the turntable rotate? - The turntable can rotate clockwise or counterclockwise. This is normal procedure in all most microwave ovens.

5. Is the water inside the oven hot? – If the water placed has not heated, check to see whether your power level settings are correct.

If none of the above resolves the situation, please contact Sytech Service Centre for service and repair. DO NOT under any circumstances try to repair or adjust the microwave oven by yourself as this is highly dangerous.

SERVICING SAFEGUARDS

Caution: MICROWAVE RADIATION

WARNING: It is hazardous for anyone, other than a qualified service technician, to carry out any service for repairing operation which involves removal of any cover which gives protection against exposure to microwave energy.

WARNING: The high voltage capacitor remains charge after disconnection; short the negative terminal of H. V capacitor to the oven chassis (use a screwdriver) to discharge before touching.

During servicing below listed parts are liable to be removed and give access to potentials above250V to earth.

- 1. Magnetron
- 2. High voltage transformer
- 3. High voltage capacitor
- 4. High voltage diode
- 5. High voltage fuse

The following conditions may cause undue microwave exposure during servicing. Improper fitting of magnetron;

Improper matching of door interlock, door hinge and door;

Improper fitting of switch support;

Door, door seal or enclosure has been damaged.



- 1. if LED displays Err0 during working, it indicates that sensor has been short circuit and you need replace it at the nearest repaired department.
- 2. if LED displays Err1 during working, it indicates that sensor has been open circuit and you need replace it at the nearest repaired department.



If the door or door seals are damaged, the oven must not be operated until it has been repaired by a competent person;

It is hazardous for anyone, other than a qualified service technician, to carry out any service for repairing operation which involves removal of any cover which gives protection against exposure to microwave energy.

Liquids or other foods must not be heated in sealed containers since they are liable to explode;

Only allow children to use the oven without supervision when adequate instructions have been given so that the child is able to use the oven in a safe way and understands the hazards of improper use

SPECIFICATIONS

Capacity: 23L Voltage: 220V-240V, 50Hz Input power: 1280w Output power: 800w Grill power: 1000w Frequency: 2450 MHz Product size: 482.8x278.2x388 mm

ENVIRONMENTAL DISPOSAL



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

DECLARATION OF CONFORMITY

Manufacturer Name: Satyatrade S. L. Address: Pol. Ind. La Raya. C/ Guadalquivir, 2. Camarma de Esteruelas, 28816 Madrid Tel: 902 430 967 Fax: 91 8864285 NIF: B83254763 Manufacturing country: China Sytech® SY-MW50G complies with the following directives:

CE standard:EMC Directive 2004/108/EC EN 55011:2007+A2 :2007 EN 55014-1:2006 EN 61000-3-2:2006 EN 61000-3-3:2008 EN 55014-2:1997+A1:2001+A2:2008

Low Voltage Directive: 2006/95/EC

EN 60335-1:2002+A1,A11:2004+A12,A2:2006+A13:2008 EN 60335-2-25:2002+A1:2005+A2:2006 EN 60335-2-9:2003+A1:2004+A2:2006+A12:2007 EN 62233:2008

ROHS standard:2002/95/EC Restriction of Hazardous Substance

Signed: Ajeet Nebhwani Utamchandani Sole Administrator

The.

