
Installation and User Manual

Model: MICRO-1217HS

Special note:

Before use and operation, please read the operation manual carefully and operate in strict accordance with the operation manual. We reserve the right to change the relevant information (including design and parts) in this instruction book without further notice when the product is upgraded or adjusted for use.

Key symbols



DANGER!

This symbol highlights dangerous situations which could lead to serious injury or death



WARNING!

This symbol highlights potential dangerous situations which might lead to serious injury or death



CAUTION!

This symbol highlights potential dangerous situations which could lead to light injury



DANGER!

Be careful. Life is at risk. Failure to comply may result in electrical shock

Introduction

Rapid Oven series reduce a lot of cooking time when we compare it with traditional ovens, without compromising with quality.

Once you have determined the precise parameters of the cooking, you can store it in the oven's controller so that the program can be extracted at any time for precise repeat operation. The touch screen computer board stores up to 1024 cooking menu programs.

Multi stage cooking program: in order to provide users with more flexibility, the control system of the oven allows the preparation of multi-stage cooking program to ensure the highest quality of outcome after cooking.

Each cooking program can be set up to 15 stages, and each stage can be set up with corresponding time, temperature, wind speed and microwave percentage (different ovens will have different functions on the market).



Prevent microwave exposure

1. DO NOT open the door during operation, it will cause microwave exposure.
2. DO NOT leave anything between the door seal, must not have any cleansers or other residues on the sealing surfaces of the door
3. DO NOT use this device if there is a breakdown. The normal closing of the door body is very important, which needs to be checked frequently:
 - a) Whether the door body is deformed;
 - b) Whether the hinge and the door buckle are broken and loose;
 - c) Whether the door seal and the surface of the door seal are in good condition.
4. The oven can only be repaired by qualified technicians.



Warning:

This is a class a product. Electromagnetic interference may occur in the home environment, the user may require some appropriate supporting measures.

The purpose of this instruction is to ensure your personal safety and prolong the service life of your oven.

✘ IMPORTANT SAFETY INSTRUCTIONS

WARNING

Basic safety precautions must be observed when using electrical products to reduce the following risks:
Burn, electric shock, fire, personal injury, excessive microwave radiation:

1. Please read all instructions carefully before using the equipment;
2. The equipment must be grounded, and the grounding wire must be connected to the corresponding grounding outlet base (see "electrical connection");
3. Minors are not allowed to operate this equipment;
4. Read and follow the instructions on "prevention of high-intensity microwave radiation";
5. Do not remove the shell;
6. Do not remove the parts installed in the oven;
7. The equipment can only be installed and positioned according to the installation instructions provided;
8. Only qualified personnel can maintain the equipment. Please contact the nearest authorized service provider to check, repair or commission the equipment;
9. Please stop using the oven in case of the following conditions: the power cord is damaged / cannot work normally / there are faults and shutdown;
10. Do not immerse the power cord or plug in water, and keep the power cord away from the heat source;
11. Do not hang the power cord on the table with sharp edges or be pressed by objects;
12. If any part of the power cord is damaged, please replace it by a qualified technician;
13. Only microwave ovens and containers applicable to the equipment can be used;
14. Do not use this oven for heating liquids or other food with a closed container such as glass bottles and eggs in order to avoid bursting.
15. DO NOT USE THIS DEVICE WITHOUT LOADING.
16. Do not block the vents, cooling vents, filters and steam ports;
17. Do not put the oven near water and cannot be use the oven in wet areas;
18. Do NOT use caustic cleanser to clean this product, it will cause permanent damage;
19. To avoid the risk of fire in the oven chamber. Do not a) over-baked; b) store things in oven chamber; c) before putting the paper or plastic bags into the chamber, all metal seals need to be removed and keep eyes on the operation; d) If the items in oven catch fire, do not open the door, shut down device, cut off the oven power supply;
20. When the liquid food is heated above the boiling point, the surface of the liquid does not always occur boiling. The boiling bubble is rarely been seen under normal circumstances when removing the container from the microwave oven. But shaking the container or putting spoon into the liquid, the liquid will boil violently and overflow. It is very easy to get burnt when this happen.
21. When picking and putting hot drink, food or containers, please pay attention to avoid burns;
22. Do not damage the control panel, door, door seals and other parts, if the door seal is damaged, please ask the qualified service technician for repair;
23. Do not hang clothes or wash cloth in any part of the oven.
24. Before heating the liquid food, stir the food to avoid violent boiling.
25. Baby milk bottles and container of the baby food should not be put into oven for heating;
26. Do not heat wine, such as brandy, rum or any other foods containing alcohol to avoid overheat and fire
27. Oven could not make fried food;
28. Untrained person should not operate the oven without supervised;
29. CHILDREN SHOULD BE SUPERVISED to ensure that they DO NOT play with the appliance.

IMPORTANT SAFETY INSTRUCTIONS

Read this guide before using the oven

1. Like other electrical appliances, this product needs a comprehensive inspection on the electrical connection lines at least once a year;
2. Clean the inside and door seal of the oven regularly according to the operation instructions in the relevant chapters of the manual, otherwise the oven may cause fire, leakage and other hazards;
3. Shut down oven every day after use;
4. The oven cannot be used for drying cotton and hemp products;
5. Pay attention to avoid the burning of the items in the oven;
6. For the food packed with inflammable plastic or paper, the food must be transferred to the special dish of microwave oven / oven before heating and cooking. Open its package before heating;
7. When using convection heating or combination function, please open the package of the food before heating;
8. Egg with shell cannot be heated in the oven, otherwise there is a risk of explosion;
9. Food with skin, such as potatoes, apples, sausages, etc.; make holes in the skin before heating;
10. The food in the completely sealed container cannot be heated, because the steam generated by heating will cause the container to explode;
11. Remove excess fat from container before taking out from oven;
12. If the glassware in the oven is broken due to accident, it must be checked to ensure that there is no glass debris in other food in the oven. If you have any doubt, please discard all food in the oven
13. Please do not use the oven in case of the following situations: the oven door is stuck and cannot be closed normally / the door body, hinge, door buckle or door seal;

 **If there is smoke**

- Shut down the oven
- Cut down main power supply
- Do Not open the door, let fire extinct in the chamber

Chart of Suitable Containers

Manufacturer will list a few containers that allowed under specific conditions below, please check carefully and be aware before use.

Heat-resistant containers		
Tempered glass	√	Containers with metal ornaments cannot be used
Glass ceramics	√	
Pottery (enamel, pottery, ceramics)	√	
Metal plate		
Metal plate (cannot use all the other metal containers)	√	Only on a shelf inside the chamber. DON'T COOK FOOD DIRECTLY ON FLOOR OF OVEN.
Plastic containers		
Special plastic containers suitable for oven use	√	Not able to be used when temperature reach a certain heat. Please refer to the manual of manufacturer
Tableware		
Do not use flammable container(paper /cardboard)	X	
Foil Paper	X	
Other instruments		
Sealing tap, label	X	When heating, you cannot have any cooking utensils inside the oven.
Tableware	X	
Temperature Sensor	X	

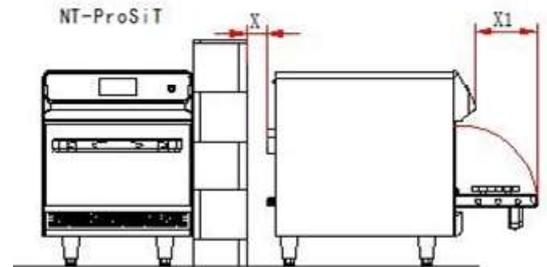
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1. Installation

1.1 Receipt Note:

1. Upon receipt, check whether there is any significant damage on appearance. If yes, contact with Transport Company.
2. Open the package, tear off/remove the protective tape from the chamber top AND stainless steel protective film. Then dispose the package waste in a proper way.



1.2 The location and position of the oven

1. Choose a location far away from heat.
2. Do not place the oven near fryer, Griddle, etc. If the heat sources are next to the oven, a heat shield must be set to over the top of the oven.
3. Place the oven in a non-slip, non-flammable platform, the platform shall be horizontal, stable, and can support the weight of the entire oven.
4. A clearance around the oven must be at least 60 mm (X) and top clearance must be at least 140mm for dissipating the heat of the oven. In front of the oven there should be sufficient distance (X1) for the door opening.
5. **The air inlet of the oven is under the door, and the air temperature entering the oven should be as low as possible, which is very important. If the air temperature has been preheated by the stove, oven, grill, fryer, etc., the performance of the oven will be reduced, thus shortening the life of the oven.**
6. Do not paste any marks or stickers on the oven except those with the oven and those permitted by the manufacturer.

CAUTION!

1. **EXCESSIVE WEIGHT HAZARD.** Handle the oven properly, complying with national or local regulations regarding handling heavy objects, **DO NOT CARRY THE DOOR HANDLE AS THE FOCAL POINT.** Otherwise it will damage the oven or cause injury. Our company will not be liable for any claims arising from falling of the oven, and not responsible for such injury that may cause.
2. When the oven not being used, cut off the power supply, store the oven in a dry, cool place, do not stack up the oven.

1.3 Power supply installation

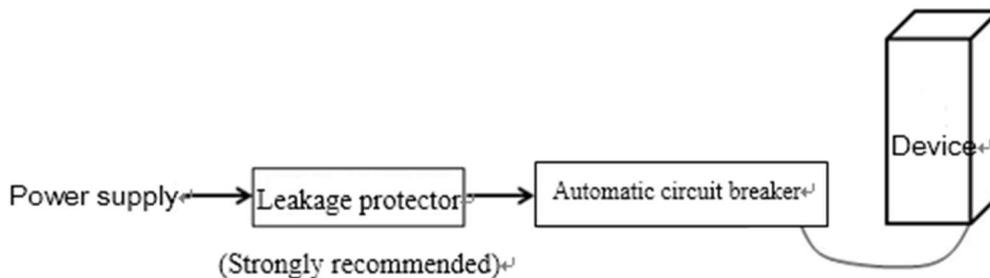
1.3.1 Power supply

It is highly recommended to install leakage protector, and the decoupling current of leakage protector shall not be less than 30mA.

At least select standard type (class B standard) circuit breaker sensitive to electrical signal mutation. These abrupt signals are generated when the kitchen appliances (including microwave oven) such as freezer and refrigerator are opened. We strongly recommend the use of class C standard (specially designed for these appliances) circuit breakers. Each oven must have an appropriate capacity circuit breaker when there are multiple ovens.

This equipment is in accordance with EN61000-3-11 standard. Because the oven will interfere with the power supply circuit, it should be approved by the power supply department before connecting the power supply. If necessary, use a low impedance power supply.

1.3.2 Power cable connection



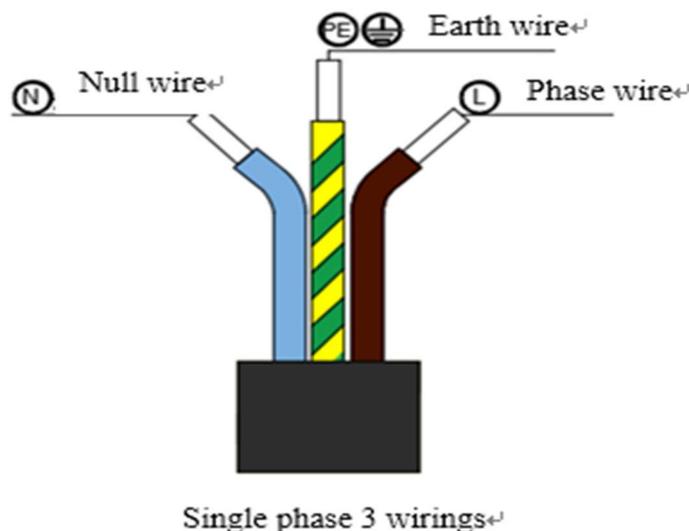
Please use the power cord to connect the device with the automatic circuit breaker and then the power supply. See the diagram above.

1.3.3 Single phase

The connection of single-phase power supply is shown in the picture.

Models sold in the UK have a blue 32A plug with the symbol IEC 60309 (EN 60309).

The rated current of circuit breaker (Class C standard) is 40A.



Consult a qualified electrician if doubt exists on electric connection.

 **Warning!**

When connecting the power cord, make sure the connection of each core wire is firm and the power cord is locked tightly. Even if the power cord is acted upon by external force, the connecting terminals will not be loosened due to external force, otherwise it may cause danger. Use normal PVC power cord, result in electric leakage because of aging or crack.

 **Warning!**

If the power supply is outside, please pay attention to the water proof and dust proof measures

 **Warning!**

To avoid the risk due to worn power cord, bushing must be installed at the outlet of the power cord and at the hole through which the power cord passes

 **Danger!**

This product must be grounded, or it may cause electric shock or even death.

The electrical wiring of the equipment must be connected to a separate power supply by a qualified electrical technician.

Each device must be fitted with a double-way insulated switch with an appropriate rated capacity and contact spacing more than 3mm

 **Warning!**



When connecting the ground wire, ensure that the power cord is connected to the ground wire terminal when acted upon by external forces



Equipotential

The back of the equipment has an equipotential ground point for separate grounding (GND)

 **Caution!**

When the length of the power cord is insufficient, please REPLACE with a new power cord with sufficient length. DO NOT CONNECT TWO POWER CORDS TOGETHER FOR EXTENSION

2.1 Product parameters table

Model	MICRO-1217HS
Dimension(mm)	460X675X660
Chamber(mm)	305X305X185
Capacity(L)	17
Net Weight(KG)	66
Voltage(V)	208-240V~
Frequency	50/60Hz
Rated Power(KW)	3.3
Controller	5" Touch Screen

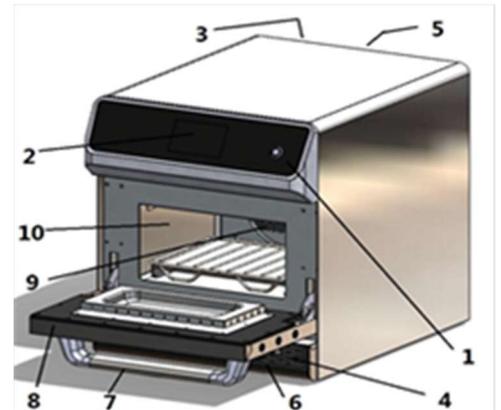
Menu Storage	1024
Cooking stage	15
Cooking Mode	Hot Air Impingement+ Microwave
*Microwave power (KW)	1.2
Hot air power (KW)	3
Microwave range	0-100%
Wind grades	10
IPX Rating	IPX3
Max. Temperature	280

Approximation microwave power output

3. Features

1. On/ Off Power switch- Turn on power switch; touch screen will be light up. Notice: Turn off switch does not cut off internal circuit;
2. Touch Screen controller- details please refer to "Operation Instruction" section;
3. Nameplate- locates at the back, it contains product model, series number, and power specification;
4. USB connector- To facilitate changes to the menu stored in the oven, a USB port is installed at the bottom right of the door.
5. The vent, it is located on the back plate. The outer air flow is used to cool the internal components and the steam coming out of the cooking chamber through the vent pipe. Do not block the vent, the vent will not make the microwave leakage into the environment.

MICRO-1217HS



6. Air filter- The air filter screen is located at the front lower part or bottom of the oven. As part of the air circulation, the filter screen is not allowed to be blocked. Clean it daily according to the instructions in the "cleaning and maintenance" section.
7. The door handle is a rigid structure, the oven door can be opened and closed when the handle is pulled down and pushed up from the outside; NEVER CARRY THE DOOR HANDLE AS THE FOCAL POINT.
8. Door- The door body is equipped with three safety interlock micro switches. Heavy objects cannot be placed on the door body, please keep the door body clean (see "cleaning" for details).
9. Convection fan, grease filters and catalytic converters (depending on the model). The grease filters in front of the convection fan must be kept clean and free of debris, etc. There are different procedures in this section. Please pay special attention to them. See "cleaning and maintenance" in this manual for details.
10. The chamber is made of stainless steel. Please follow the instructions in the "cleaning and maintenance" section of this manual.

USB port location

It locates in the front lower part

Step 1: Remove the front lower panel

The front lower panel is installed by magnetic suction, which can be pulled out with a little force;

Step 2: Open USB dust cap

Rotate left or right to open

Step 3: Insert U disk to download or upload recipe, picture, etc.



4. Operation Instruction

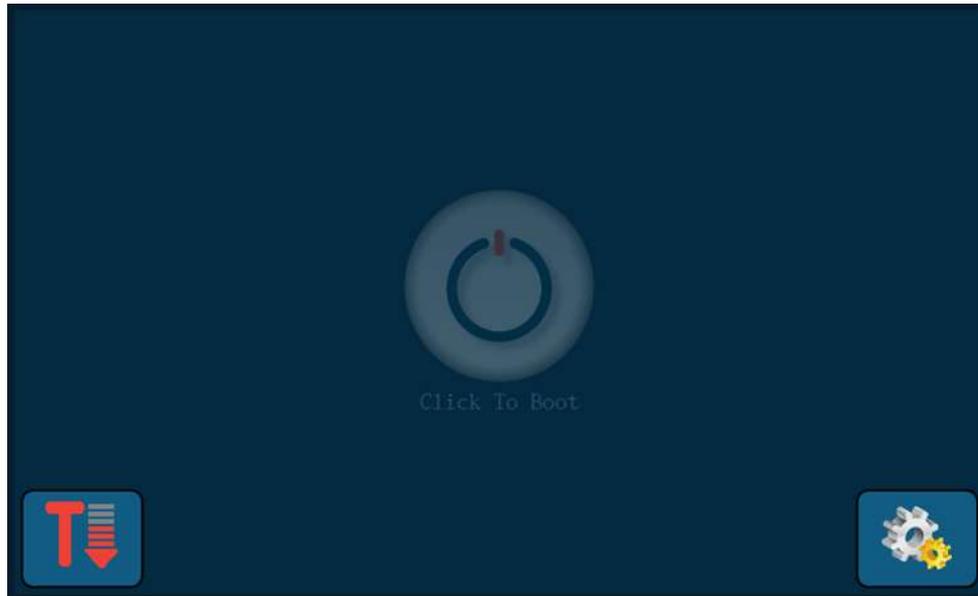
4.1 Power Connection

Steps	Action	Reference	Details
1	Connect to main power		Single phase 3 wirings
2	Switch on power button		Switch on power button, screen light on, enter stand-by mode

4.2 Operation interface

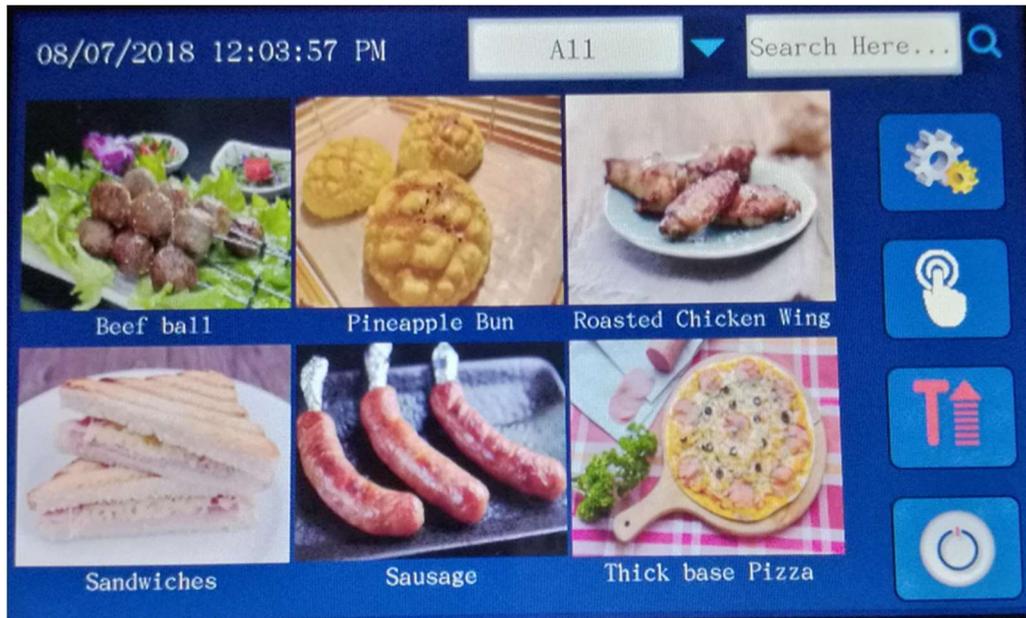
4.2.1. Interface

1. Turn on the power switch, the computer board screen will be on, and enter standby by interface as follows:



:Cooling Mode, when cavity temperature is higher than 70°C, open the door according to the prompt, meanwhile fan keeps rotating; when temperature drops down to 70°C, it automatically exits back to standby interface, or you terminate cool down mode by click .

2. Press , enter main interface as follows:



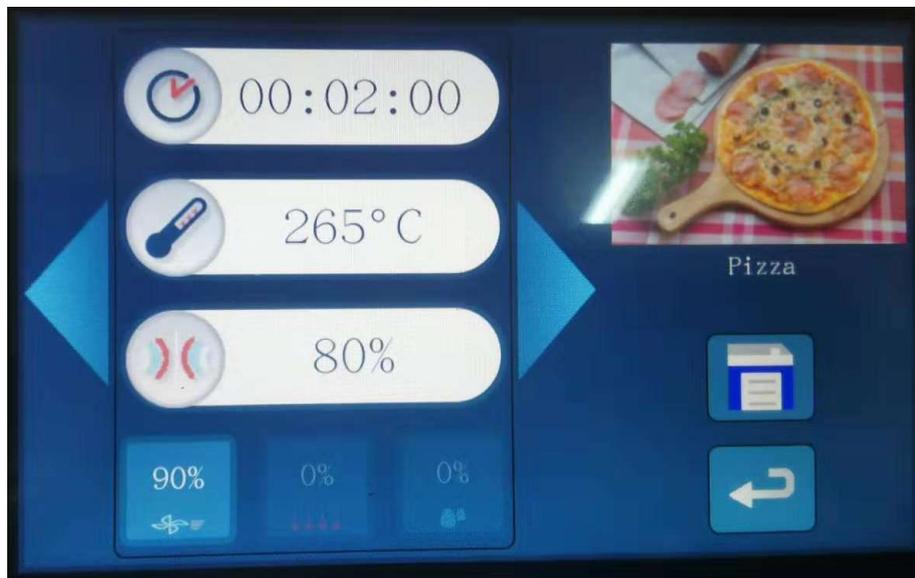
: Press this to set Preheat temperature,



: Switch off button, it requires a long press to return back to standby interface

4.2.2. Editing Menu

1. Tap on dish photo to enter setting:



: view parameters of each stage.



: Click on timer to edit cooking time for this time, not saved;

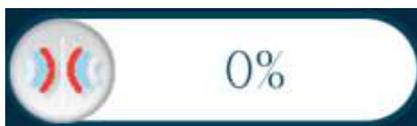


: Click to edit cooking temperature for this time, not

saved;



: Hold pressing this icon can view real cavity temperature.



: Continually tap to change microwave percentage. (0%-

100% then recycle)



: Click to adjust wind speed.



: Preheating



: Preheating finish, ready to cook



: Temp is higher than preset, cooling down



: Return, back to main interface

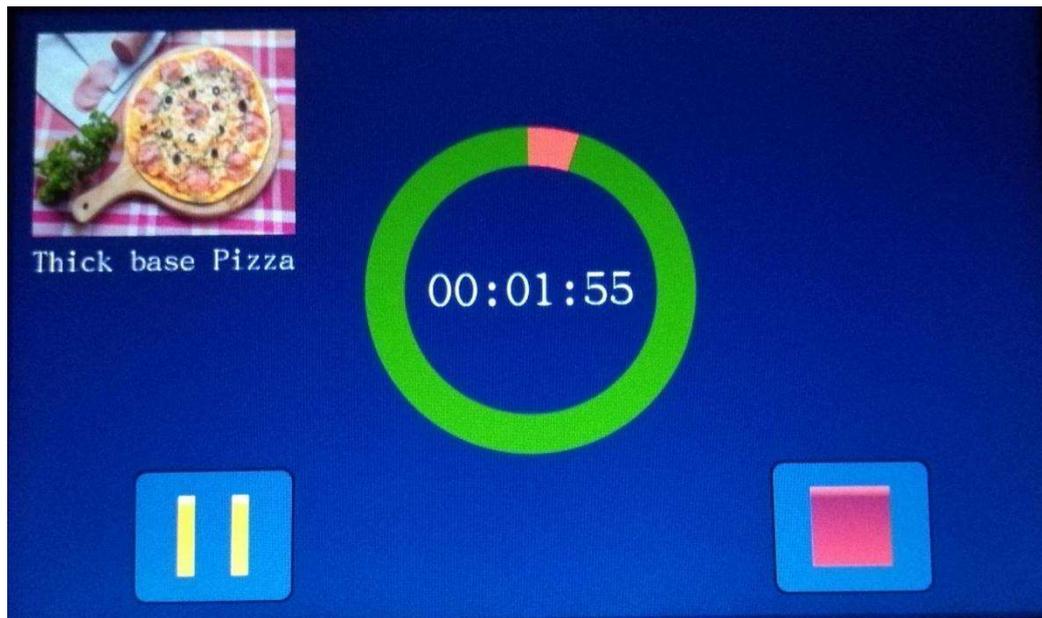


: Start cooking



: Microwave sign

2. Tap on start cooking icon, enter cooking screen:



 : Pause/resume during cooking process

 : Stop, Exit cooking

 Caution:

Open the door during cooking process will result in warning sound and pop up notice "DOOR OPEN", but it will continue cooking after closing the door.

If the temperature has not reached to preset temperature, system will pop out this:



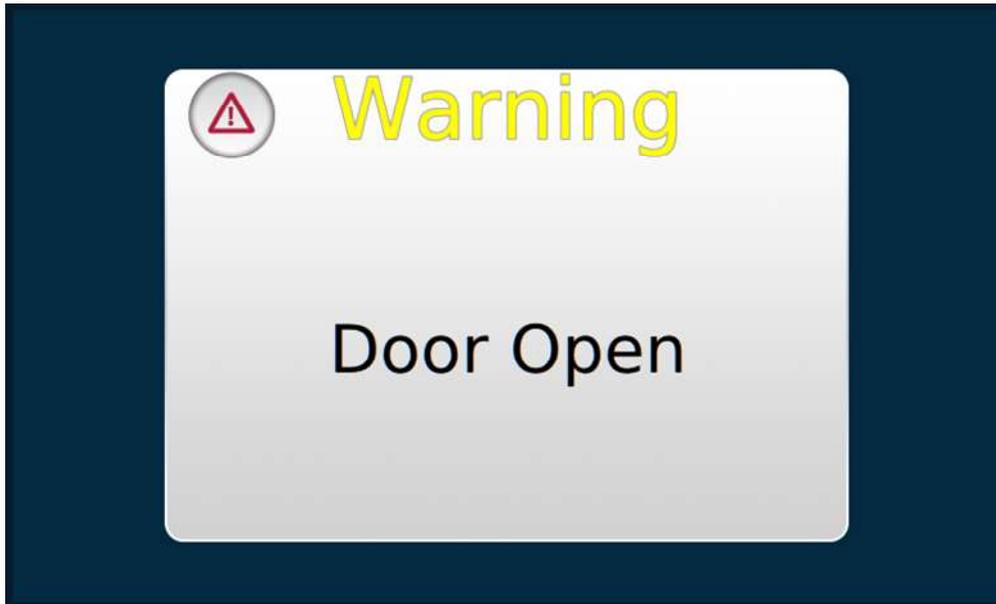
If click on ✓, but did not place food inside oven. System will soon display this window:



3. Finish cooking, it will pop up a window. Click "+10" to add 10 second increment at a time, as below



4. When door is open, it will appear a warning notice as picture:



4.2.3. A quick Customized menu



: Customized mode used for recipes testing and development, all parameter are editable.



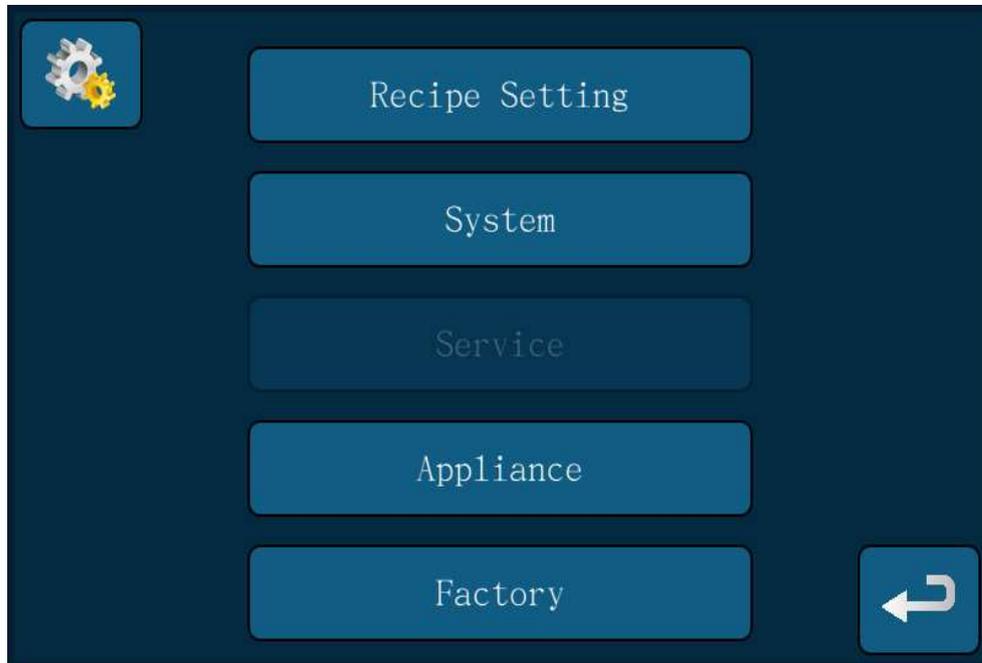
Click on  , add another cooking stage.

After finish, click  to save it.

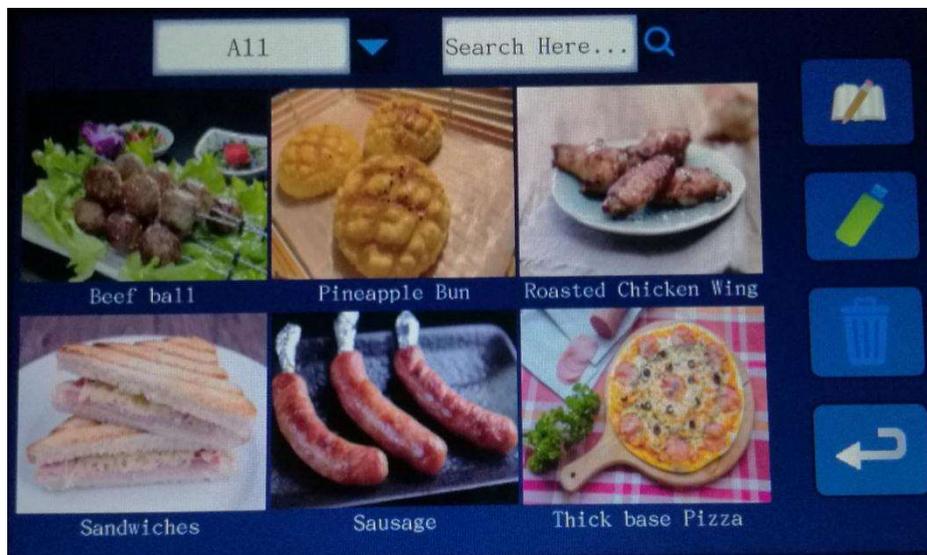
4.2.4 System setting



: click to enter system setting interface:



1. Click "Recipe Setting", enter screen like below:



: Copy recipe from USB to oven; Copy recipe from oven to USB;



: Delete Menu;



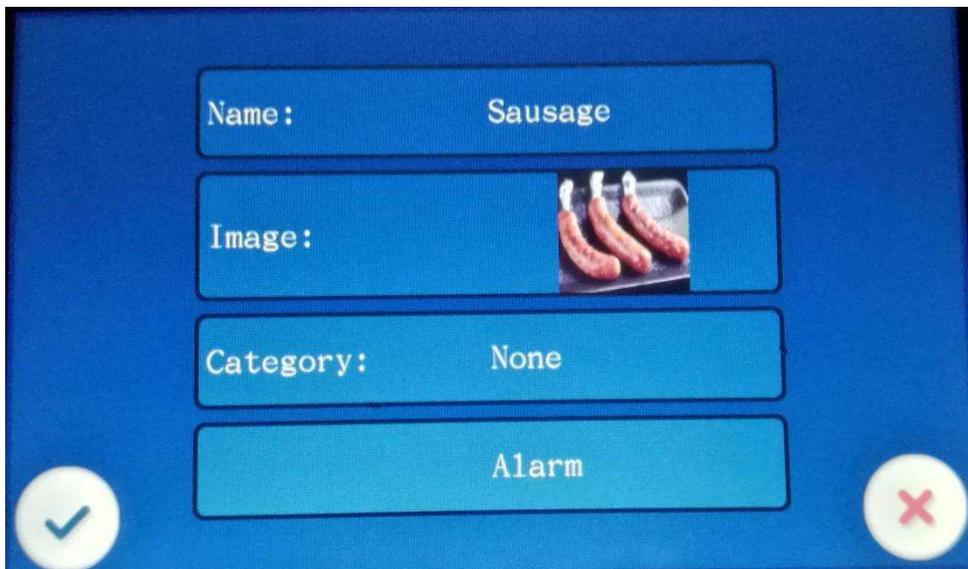
: Set up a new menu, click into a screen like below:



Click to edit every factor accordingly, then click  to enter into the second cooking stage as per requirement. It has maximum **15** cooking stages. Once finish setting, click



for saving. The screen will be like this:



Click to add dish picture. Category range from breakfast, lunch, dinner, supper and all day. You can click on name to edit name for this recipe as well, like below:



Chinese and English input are optional. Tap “A” for English, “文” for Chinese.

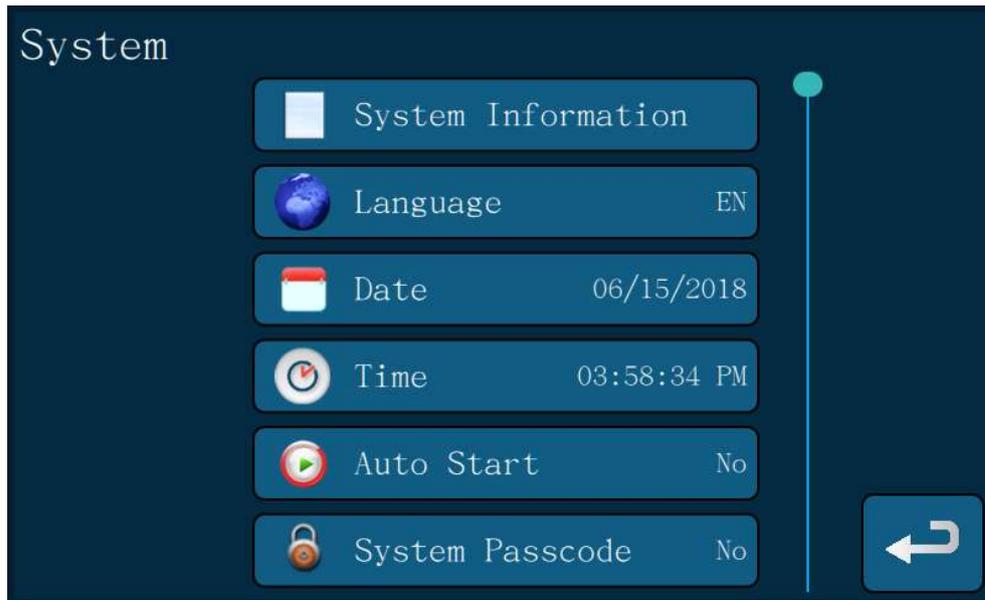
If you have more than 2 stages, you can set alarm for each stage, except the last stage. Click on alarm to set information for alarm as below:



“Stage Index” can choose to set alarm for stage 1, 2, 3 (if you have more than 3 stages); Alarm Enable: click on “yes” ; click on “cancel” can select means of cancelling alarm, either manual or automatic; click on “name” to **edit name** for this alarm (**Must set!**). Manual: When alarm rings, there must be a physical action to stop alarm Automatic: After ringing for a few seconds it will automatically stop

After setting, click on  to save menu.

2. Click system to enter system setting interface:



“Language”, click on EN or Chinese can select English and Chinese.

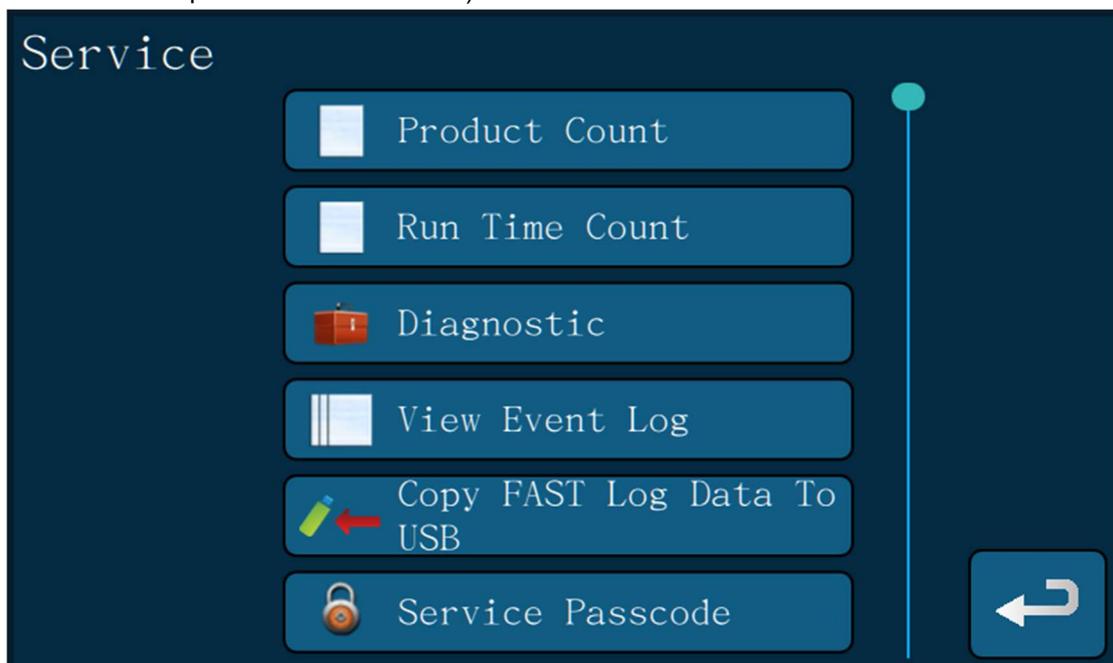
“Date”, click on date can edit the date which show on the screen

“Time”, click on time can change time which shows on the oven

“Auto Start”, click to set an auto start time for cooking a recipe

“System passcode”, set up password for entering system setting

3. Click “Service”, the password is ***** (please contact the dealer or manufacturer to obtain password authorization)



“Product Count”, click here to view how many times of using every menu

“Run Time Count”, total running time of all parameters record, for example “Power on time”

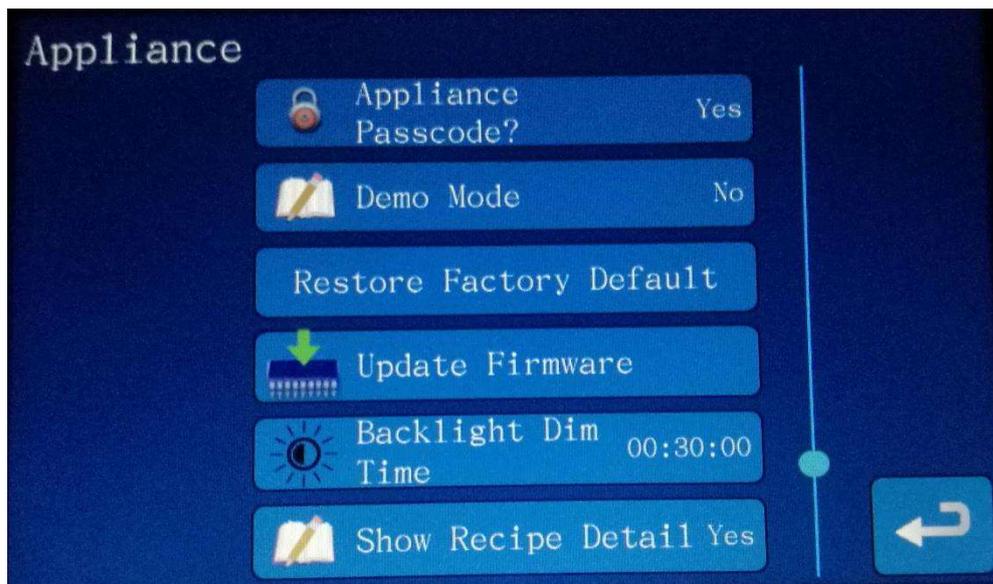
“Diagnostic”, diagnostic screen for device technical maintenance

“View Event Log”, operation malfunction will be recorded into this Log

“Copy Fast Log Data to USB”, download log data into USB.

“Service Passcode”, ***** (please contact the dealer or manufacturer to obtain password authorization). Can setup passwords to enter into this management page and block unauthorized entry.

4. Click “Appliance”, password is “*****” (please contact the dealer or manufacturer to obtain password authorization) enter into this interface:



“Copy Appliance From USB”: copy appliance data from USB to oven

“Copy Appliance To USB”: copy appliance data from oven to USB

“Display Brightness”: higher of the number is brighter

“Beeper Volume”: volume for alarm, higher is louder

“Alarm Sound”: alarm tone

“Temperature Unit”: interchange between °C and °F

“Edit Recipe image”: manage recipe picture, add or delete

“Recipe Passcode”: once set up, it will be required to key in before entering into recipe parameter page

“Appliance Passcode”: it is the password to enter Appliance setting

“Demo Mode”: “yes”, only touch screen is working for demo, no heating function. “no”, touch screen and heating function both working

“Restore Factory Default”: reset back to factory setting

“Update Firmware”: Upgrade or repair software, restore, backup and renew apps

“Backlight Dim Time” adjust time to dim the screen brightness

“Show recipe detail”: set “NO” to hide parameter setting of recipe during cooking

“Use Expiration”: Set the lease time of the device. When the time is up, user need to enter the password to enter the working page of the touch screen;

6. Cleaning

6.1 Cleaning instruction

⚠ WARNING: MAKE SURE APPIIANCE IS UNPLUGGED AND COOLDOWN BEFORE CLEANING

⚠ Warning: the cooling procedure must be completed before cleaning to allow the oven and accessories in the oven to cool sufficiently, otherwise scalding may occur.

6.1.1 Rapid cool down method:

At Stand-by mode, press  device enter rapid cooling process.

Open oven door. When temperature drops to 70°C automatically exit

⚠ Note! Do not clean oven during its cooling. The whole process approximately requires 30 minutes.

⚠ Warning: The maximum temperature of this oven can be up to 280 °C if not proper cooling might cause body injuries.

Cleaning purpose

In order to ensure oven's high efficiency, Chamber, air filter and oil filter need to be cleaned every day. Daily cleaning can make sure it reach hygiene standard and extend its service time.



6.1.2 Cleaning tools

Non-corrosive oven use cleanser, heatproof gloves, rubber gloves, non-abrasive nylon scrub pad, cleaning cloths and rags, goggles and dust masks

Caution: When cleaning the oven, please wear rubber gloves. Do not use sharp tools and strong abrasive cleaning on any part of the oven.

 **Caution: DO NOT use caustic cleanser on any parts of the oven, if not it will result in permanent damage to this oven.**



7. Trouble shooting

This section provides an easy reference guide to some of the common problems that may occur during the operation of this equipment. The troubleshooting guides that follow are intended to help correct, or at least accurately diagnose, problems with this equipment. Although the chapter covers the most common problems reported, you may encounter problems that are not covered.

When troubleshooting a problem, always use a process of elimination starting with the simplest solution and working through to the most complex. Never overlook the obvious – anyone can forget to plug in a cord or fail to close a door completely. Most importantly, always try to establish a clear idea of why a problem has occurred. Part of any corrective action involves taking steps to ensure that it doesn't happen again. If a controller malfunctions because of a poor connection, check all other connections, too. If a fuse continues to blow, find out why. Always keep in mind that failure of a small component may often be indicative of potential failure or incorrect functioning of a more important component or system.

 **DANGER**
 This equipment should be unplugged when servicing, especially when electrical circuit tests are required. With extreme care when performing such tests. This appliance may have more than one electrical power supply connection point. Disconnect all power cords before service. Inspection, testing, and repair of electrical components should be performed by an authorized service agent only.

Symptom	Possible reason	Treatment
Oven has not electricity	Main power is disconnected	Turn on the main power and restart the oven
	Oven plug cord has not plug in	Check if it is plugged in

	Hi-limiter is tripped	Hi-limiter locates at the back of oven, reset it and reboot the oven
Oven does not heat up	The door is not closed properly.	Clear barrier, close the door properly.
	Does not switch on oven	Switch on oven and heat up
Close door but it still pop up "Door Open" notice	Food block the door from closing	Clean barrier, close the door properly.
	Did not close the door properly	Repeat open and close to check if it is properly close
	Door interlock switch is malfunction	Call for service support
The foods are not cooked well or up to standard	Oven is dirty (a lot grease, carbon and food debris will wear down microwave)	Follow cleaning instruction to clean up
	Choose wrong menu	Check if have chosen the correct menu or program
	Food was not at the right initial condition (Frozen or chilled)	Make sure it is at the suggested condition before put into oven
	Food SPEC is not correct	Ensure food weight and size are standard
Shown temperature probe is broken	Temperature probe is malfunction	Call for service support
Cooking temperature is low	Check if these following part are blocked: Jet plate, return air inlet, oil filter	Cleaning daily to ensure they are not blocked ⚠️Note: there is no warranty for glass or ceramic oven parts.
	Oven did not heat up completely	Heat up oven to preset temperature and leave it idle for 5 minutes
	Heating element is malfunction	Call for service support
Magnetron is too hot	Cool air did not enter into oven	Remove substance and dust that are blocking air filter at inlet
Motor blower is too hot	Cool air did not enter into oven	Remove substance and dust that are blocking air filter at inlet