



广东新宝电器股份有限公司  
Guangdong Xinbao Electrical Appliances Holdings Co., LTD

产品说明书  
INSTRUCTION MANUAL

文件名称

DOCUMENT DESCRIPTION : IC3702C 电磁炉 UL

文件编号

FILE NO. : 30- IM-

生效日期

EFFECTIVE DATE : 2007 年 6 月 14 日

版本号

REV : A

编制 Prepared by : 代 兰 华

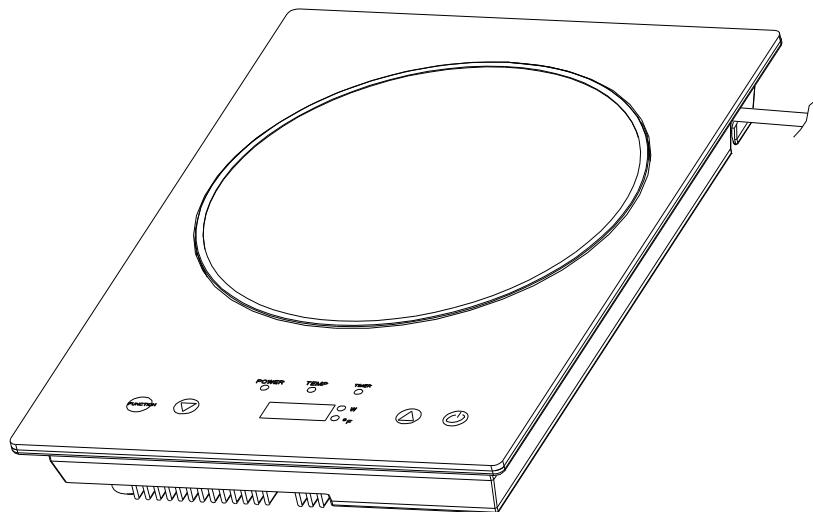
审核 Checked by : 曾 永 清

批准 Approved by : 曾永清



INDUCTION COOKER

# INSTRUCTION MANUAL



MODEL: IC3702C

*Read this booklet thoroughly before using and  
save it for future reference.*

# Guang Dong Xinbao Electrical Appliances Holdings Co., LTD

ADDRESS: ZHENGHE SOUTH ROAD, LELIU TOWN, SHUNDE DISTRICT, FOSHAN CITY, GUANGDONG PROVINCE, CHINA

## IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be followed including the following:

1. Read all instructions before using.
2. Do not touch hot surfaces. Use handles or knobs.
3. To protect against electrical shock do not immerse cord, plugs, or the unit in water or other liquid.
4. Close supervision is necessary when any appliance is used by or near children.
5. Unplug from outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts.
6. Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions or has been damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair or adjustment.
7. The use of attachments not recommended by the appliance manufacturer may cause injuries.
8. Do not use outdoors.
9. Do not let cord hang over edge of table or counter, or touch hot surfaces.
10. Do not place the appliance near the hot gas or electric burner or other heated oven, for this will cause fire.
11. Extreme caution must be used when moving an appliance containing hot oil or other hot liquids.
12. To disconnect, turn any control to “Off”, remove plug from wall outlet. Always hold the plug. But never pull the cord.
13. Do not use appliance for other than intended use.
14. Do not dismantle and refit parts or repair induction cooker yourself.
15. Do not contact with plug with wet hands
16. Place the unit on the stable table and keep at least 10cm distance between cooker body and adjacent objects.
17. Never use the appliance at where is likely to subject to damp or close to fire.
18. Do not cook without load or overcook. Otherwise it will cause the cooker deformation.
19. Metallic objects such as knife, forks, spoons, lids should not be placed on the hotplate since they can get hot. Remove the cover before canned food is heated, to avoid the risk resulting from heat expansion.
20. Do not let pins and metal wire and foreign objects into gas intake/vent.
21. Total weight containing using pan and loaded food shall not exceed 4kg, otherwise it

will damage and malfunction cooker body.

22. Continuous operation time shall not exceed 4h, if necessary please stop 30min during operation period and then continue to use.

23. Do not use the appliance on carpet or tablecloth, otherwise it will jam gas intake.

24. After cooking, high temperature heat produced by pan will conduct onto the appliance, never press the top hotplate immediately.

25. When not use, do not let cord remain being energized, during use high frequency noise will be heard for it is resulted from metal materials of pan, it is not malfunction. If the pan is moved slightly, the noise will disappear, during use the running sound of fan will be heard for the fan will rotate sometimes to reduce inner heat.

26. Do not place a sheet of paper between the pot or the pan and the unit. The paper may get burnt.

27. Do not place near objects which are affected by magnet, such as: radios, televisions, automatic-banking cards and cassette tapes.

28. Please use above 15A appropriate electrical outlet, never use all-purpose outlet and do not use the appliance together with other appliance.

## **SAVE THIS INSTRUCTIONS HOUSEHOLD USE ONLY**

### **NOTES ON THE CORD PLUG**

This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug will fit in a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not modify the plug in any way.

### **NOTES ON THE CORD**

a) A short power-supply cord is to be provided to reduce risks resulting from becoming entangled in or tripping over a long cord.

b) Longer extension cords are available and may be used if care is exercised in their use.

c) If a long extension cord is used,

1) The marked electrical rating of the extension cord should be at least as great as the electrical rating of the appliance.

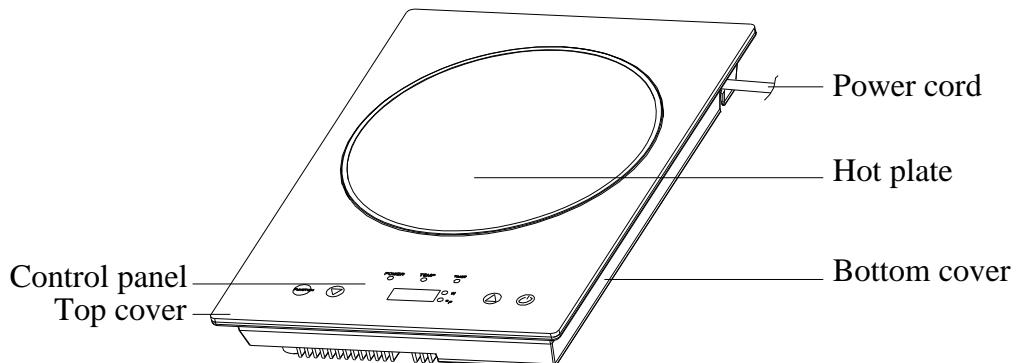
2) The longer cord should be arranged so that it will not drape over the counter top or table top where it can be pulled on by children or tripped over.

**Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

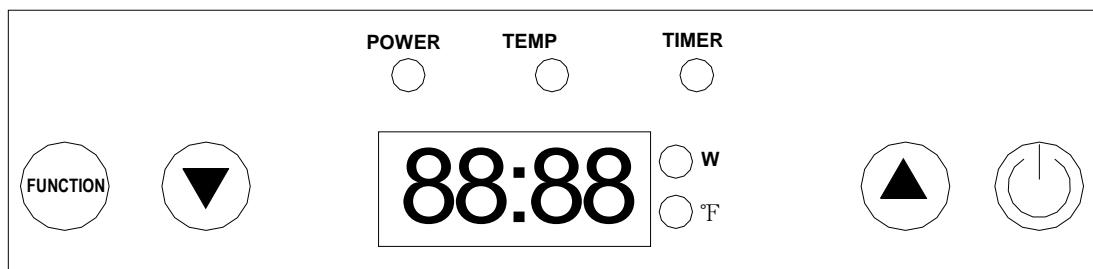
**NOTE:** This equipment has been tested and found to comply with the limits for a consumer ISM equipment, pursuant to Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

## PRODUCT ILLUSTRATION



## CONTROL PANEL

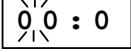


## FUNCTION INSTRUCTION

1. Touch ON/OFF key to start the unit.

2. POWER function setting: touch FUNCTION key, when the POWER indicator is lighted, it means entering heating state, and power can be set by touching “▲” or “▼” key to the following value: 400W- 600W- 800W- 1000W- 1200W- 1400W.
3. TEMP function setting: touch FUNCTION key, when the TEMP indicator is lighted, it means entering warming state, and the warming temperature can be set by touching “▲” or “▼” key to the following value: 150°F 200°F 250°F 300°F 350°F 400°F..
4. Timer function setting: touch FUNCTION key, when the TIMER indicator is lighted, it means entering timing state, shut-off time can be set by touching “▲” or “▼” key, the time range is within 23 hours and 59 minutes.
5. The unit will stop automatically when no any key is pressed within 2h.

## OPERATION

1. Insert power cord into separate appropriate socket, and buzzer sound “Bi” will be heard once, digital tube and all indicators light up for 1 second and then go out, indicating the unit is energized.
2. Place the pan on the center of the hot plate. Touch ON/OFF key, digital tube displays “- - -”, prompt you set the cooking function. Touch the FUNCTION key once to enter POWER function within 10s, while the POWER indicator will be lighted, at the same time the fan starts running, the default power is 1400W, which can be adjusted by touching “▲” or “▼” key. The digital tube displays “E0” if the pan is not placed in position and buzzer sound “Bi” will be heard at an interval of 3 seconds. The appliance will return to the standby state immediately if you place the pan in position within 6s, if you do not place the pan in position within 6s, after 6s, the appliance will also return to the standby state.
3. Touch FUNCTION key again to enter TEMP setting, and the TEMP and °F indicators will be lighted. The default temperature is 400°F, which can be adjusted by touching “▲” or “▼” key, when the temperature rises to the set value, the program will enter the automatic protection.
4. Touch FUNCTION key for the third time to enter timer setting which is used for setting the time to shut off the power, at this time the TIMER indicator will be lighted. Digital tube displays  and hour is flashed.

Within 3s touch “▲” or “▼” key to set hour, the maximum set time is 23h. The “▲” and “▼” keys can be held down to scroll through the digits, or touched and released to advance one digit at a time. If the hour is not adjusted within 3s, the hour setting will be finished, following enter minute setting, and the minute set range is 0-59s. If the minute is not adjusted within 3s, the minute setting will be finished.

- 1) After timing, power and time will cycle to display, and the POWER and TIMER indicators will be lighted. You can adjust the power by touching “▲” or “▼” key. The default power is 1400W when the FUNCTION key is not touched any more.

2) After timing, touch FUNCTION key once, transfer to TEMP setting, touch “▲” or “▼” key to adjust the temperature, temperature and time will cycle to display and the TEMP and TIMER indicators will be lighted.

3) After timing, touch FUNCTION key twice, return to the TIMER setting and renew to set time.

Note: under timing shut-off state, the unit can be shut off by touching ON/OFF key, after being shut off, the timing shut-off setting will be cancelled, and at the next start the previous set time will not be saved.

5. When time out, the unit will stop operating automatically and all indicators will be extinguished.

Note: the operation process can be terminated at any time by touching the ON/OFF key. When cooking program is ended the integrated cooling fan will continue running for 60 seconds.

6. After cooking, plug from the power outlet.

## FIXING INDUCTION COOKER

The induction cooker also can be fixed in a hole of table top or counter top before use, the operation is as follows:

1) Drill a hole in table-board and strictly follow the dimension as indicated in the fig.1.

2) Put the induction cooker into the hole of the table-board. Make sure the top cover is supported by the edge of the hole (see Fig. 2).

3) Owing to the high temperature inside the induction cooker, make sure good ventilation is provided in order to assure its normal operation (see Fig.3).

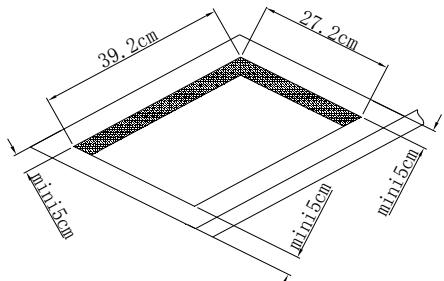


Fig. 1

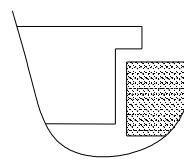


Fig. 2

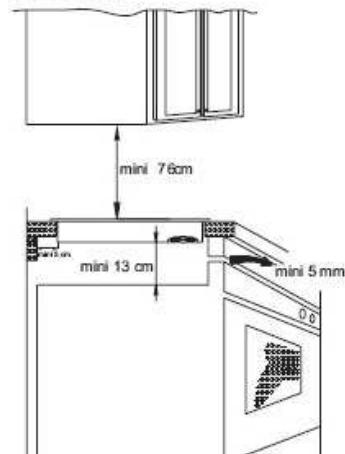


Fig. 3

## OPERATION PRINCIPLE

The operation principle of induction cooker is achieved by the current produced by magnetic field induction which electron circuitry board produces alternate magnetic field, when the pan bottom containing metal material is placed on the hotplate, the pan will immediately cut the alternate magnetic field and then the metal part of pan bottom produces the current (whirlpool), it makes iron molecule run irregularly at high speed, following the collision and friction between molecules produce heat energy

which makes the appliance heat promptly, so that the purpose of cooking food is achieved.

## PRODUCT ADVANTAGE

1. High efficiency, saving energy and environmental protection: cooker body is heating part itself, so heat efficiency is very high and save energy greatly, when cooking food with induction cooker, there is be free of visible fire, smoke and waste gas, bear environment protection effect, safe and clean.
2. Wider applicable voltage range: the unit can adjust automatically the wattage according to the power voltage, so that it avoids the trouble resulting from voltage fluctuation.
3. Perfect safety protection function: the unit has safe protection function for over voltage, lower voltage or sudden voltage change. However normal over temperature function is quick and accurate.
4. Accurate and perfect inspection for pan quality and no-load protection function: the unit can inspect whether the material or size of pan is applicable, when the pan is moved away, the unit stop heating immediately and after 10s the power is cut off. No matter how the pan is moved away quickly or slowly, no damage to induction cooker.
5. Start self-diagnosis function and 2h timing shut-off function: it can judge whether induction cooker and operation are appropriate, that induction cooker is not operated for long time will be considered being forgotten or outgoing, shut of the power automatically after 2h, so it make you use it safely
6. Multi-section wattage adjustment and multi-section temperature control: convenient and agile use, in addition temperature control compensation feature make the set temperature more exact.
7. Multi-heating function: perform different cooking demand according to different power.

## SAFETY PROTECTION EQUIPMENT

1. Over voltage protection and lower voltage protection

When power voltage is too high or low, induction cooker will compensate voltage automatically and adjust output power.

2. Small metal part protection

For small iron metal which the diameter is less than 80mm, no power is outputted to avoid abnormal heating.

3. No pan or improper pan protection

When no utensil is placed on the hotplate or the utensil is deviated greatly from the center, or the material of the utensil is not applicable, the power will not be outputted and buzzer sound will be heard to alert until appropriate utensil is put in place.

4. over temperature protection

When the temperature of top hotplate is too high, induction cooker will stop automatically power output and long buzzer sound will be heard to alert until the temperature returns to normal.

## 5. High voltage pulse protection

During operation, when power supply receives a transient high voltage pulse (such as lightning strike), induction cooker will stop automatically and in a minute resume automatically.

## COOKING UTENSIL SELECTION

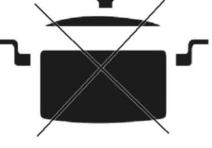
### 1. Useable pans

Steel or cast iron, enameled iron, stainless steel, which have Round-bottom pans/pots with at least diameter 16.5cm.

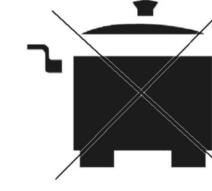
			
<p>Stainless steel pot</p>	<p>Iron plate</p>	<p>Enameled iron pot</p>	<p>Iron or enameled iron pot</p>

### 2. Non-useable pans

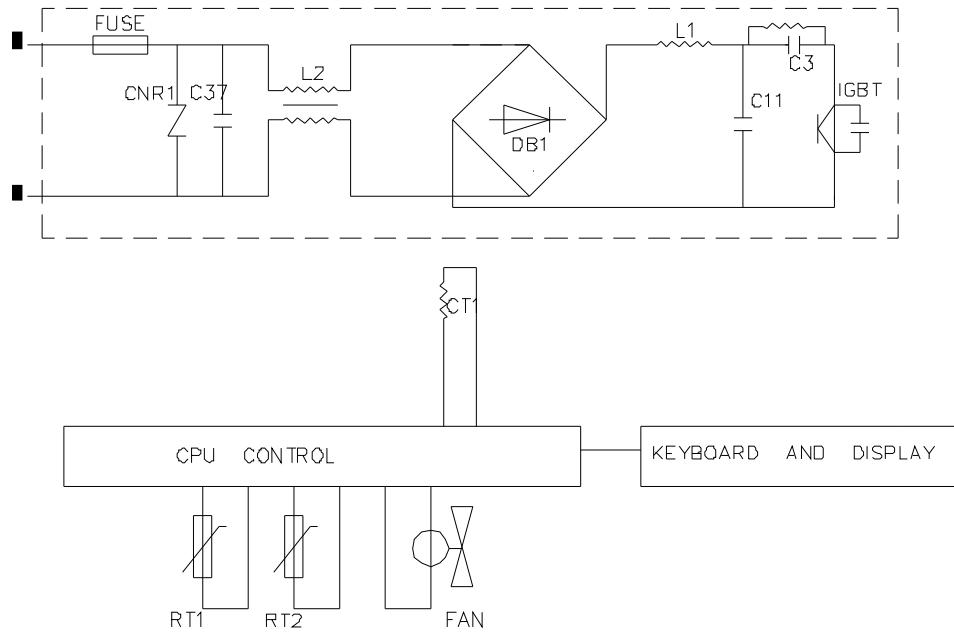
Heat-resistant glass, ceramic container, copper, aluminum pans/pots. which have flat or round-bottom pans/pots with bottom measuring less than 16.5cm.

		
<p>Heat-resistant glass pot</p>	<p>Rounded bottom pot</p>	<p>Aluminum/copper pot</p>

		
<p>Ceramic pot</p>	<p>Bottom measuring less than 12cm</p>	<p>Pot with stands</p>

## CIRCUIT DIAGRAM



## CARE AND MAINTENANCE

1. Please plug from power outlet before care and maintenance.
2. When ceramic hotplate is made dirty, wipe it with wet cloth, or after wipe it with detergent or burnishing powder clean it with wet cloth.
3. Wipe unit body and control panel with soft and wet cloth, neutral cleanser may be used for firm oil stain, then wipe the remained residue with soft and wet cloth.
4. Never rinse directly with water or immerse it in water.
5. Keep the unit clean regularly to prevent black beetle entry into the fan so that the unit will fail, the surface of gas intake and vent may be cleaned (such as dust, smear) with cotton bar, a little detergent added on the toothbrush may be used for cleaning.

## CONTRAST CHART OF THERMAL EFFICIENCY (based on 1l water)

Cooker type	Time	Gas(or electricity) consumption	Expense	Thermal efficiency
Induction cooker	6.7min	0.2kw/h	0.140yuan	93%
Gas cooker	8min	0.05kg	0.185yuan	50%
Electric cooker	12min	0.345kw/h	0.250yuan	47%

## TROUBLE SHOOTING

If the problem is found during operation, please make the check according to the following table before returning it to repair.

TROUBLE	CHECKING POINT
When plug is inserted into the power outlet, a beep sound will not be heard and the indicator will not be lighted when pressing POWER key	Whether the plug is removal from the outlet.
	Whether power switch or fuse in your home is cut off
	Whether power is cut off
Continuous 15s beep sound will be heard and then the unit stop operating.	Whether the pan is proper
	Whether the pan is centered on the hotplate
	Whether the bottom diameter of the pan is more than 12cm
The unit stops heating suddenly during use	Whether ambient temperature is very high
	Whether gas intake or vent is jammed
	It means reaching the set temperature when the unit is at warming state
	Protection equipment may operate confirm it after wait several to 10 minutes
The temperature can not be controlled when frying or grilling food.	Whether the pan bottom is concavo-convex or the bottom center is concave
	Whether power indictor is lighted

The induction cooker will stop heating if have the following malfunction, after 3s, the display will show the malfunction alarm, the malfunction code will showing on the center of display, you can clear the display by pressing the switch button, and the appliance will enter the standby state.

Display	Direction
E0	check the pan whether is in place
E1	the circuit is malfunction
E2	the temperature sensor is opening circuit or short circuit
E3	the voltage is higher (140V-160V) for 3s
E4	the voltage is lower (80V-100V) for 3s
E5	the cooker surface temperature is higher
E6	IGBT temperature is higher than $210^{\circ}\text{F}$ for 3s
E7	the IGBT temperature sensor is opening circuit or short circuit