



# **USER MANUAL**

**MODEL NO.: BI-3500**

**BUILT-IN**

**INDUCTION COOKING UNIT**

### **HOW DOES YOUR INDUCTION WORK?**

A high frequency (20-35KHz) induction coil underneath the ceramic top plate heats the cooking utensil by magnetic friction. The heat is produced directly within the pan and is controlled by an electronic circuit which offers superior performance and functions.

During cooking, no energy is lost between the hob and the food. When the unit is switched off, or the pan is removed, cooking and heating stops immediately.

### **PRECAUTION BEFORE USING YOUR INDUCTION HOB**

1. The ceramic top is of strong & non-porous properties. In case of breakage, even if it's only slightly cracked, disconnect the unit from the main power supply and contact the after sales service dealer.
2. The unit is equipped with a '**SMALL OBJECT DETECTOR**'. It's recommended not to place metal kitchen utensils, pan lids, knives, or other such objects on the heating zone. If the unit is turned on, there is a risk that the utensils may become hot.
3. **DO NOT** place credit cards, cassettes or other magnetic sensitive objects on the ceramic top.
4. Scientific tests have shown that the induction presents no danger whatsoever for persons using a pacemaker. It is recommended that a distance of 60cm be maintained whilst using the induction unit.
5. To prevent from over heating, **DO NOT** place aluminum-foil on the ceramic top.
6. Put the unit on a flat and even surface, but allow a space from the wall or other objects of at least 5-10cm to allow for proper ventilation.
7. Immediate clean-up is recommended when any spillage occurs.

**USE AND CARE INSTRUCTIONS – IMPORTANT SAFEGUARDS**

1. **DO NOT** block the air-intake panel, as this may overheat the unit.
2. We recommend pans to be in the range of 12~26cm in diameter. Please refer to the next page for a list of suitable and unsuitable pans.
3. **DO NOT** touch the hot surface of the ceramic plate. NOTE: The induction unit itself does not produce any live heat during cooking, however, the heat reflected from the pan will leave the surface of the ceramic hot!
4. **DO NOT** cook with empty pots or pans. Heating an empty pan will automatically activate the overheating protection device and the unit will shut off.
5. Place the induction unit on a flat & even surface and at least 10cm away from the wall and other objects for proper ventilation.
6. **DO NOT** place any objects or tools in the air-intake panel. Doing so may cause electrical shock.
7. To protect against electrical shock, **DO NOT** immerse the unit, the cord or the plug in or near water or other liquids.
8. Close supervision is necessary when the induction unit is used or near children.
9. **DO NOT** operate the induction unit if it has been damaged in any manner or if the unit malfunctions. Return the unit to the nearest authorized service facility for examination or repair.
10. The use of any accessories or parts not recommended by the manufacturer may cause injuries.
11. Keep the power cord away from heat.
12. **DO NOT** place the induction unit in, on, or near open flames, electric burners, heated ovens or other high temperature surroundings.
13. **DO NOT** heat any sealed cans on the induction unit. A heated can may explode.
14. **DO NOT** move the induction unit while cooking or when the pan is hot.
15. After the induction unit has cooled down, unplug the cord and clean as follows,  
CERAMIC PLATE: wipe with damp cloth or use a mild, non-abrasive cleaning solution.  
BODY: wipe the control panel with soft cloth or use a mild cleaner.
16. **DO NOT** use induction unit for other than intended use.
17. Unplug when not in use.
18. When storing, **DO NOT** place any objects on top of the induction unit.

**SAVE THESE INSTRUCTIONS!!!**

## **SAFETY DEVICES**

### **Safety Device**

To comply with CE safety regulations there are two steps to turn on the induction unit.

**First step:** Push power ON/OFF key.

**Second step:** Within 5 seconds, turn power regulating knob OR push temperature select key "+", "-".

### **Automatic Safety Shut-Off.**

If the induction unit is left on for more than 60 seconds without a pan or with an incompatible pan, the unit will automatically shut off.

### **Material Compatibility Detector**

If the pan's material or it's dimensions are not suitable for the induction unit, the power indicator light will not light.

### **Small Object Detector**

The induction unit will not recognize any objects or utensils smaller than 5cm in diameter. For best results, use pans that are between 12cm and 26cm in diameter.

### **Overheating Protection Device.**

If the temperature of the pan reaches 250°C, and the temperature remains for 60 seconds, the unit will shut off automatically, there will be a short warning sound.

### **IC Automatic Reset Device**

Main control micro processor equipped with watch "Dog Device", the IC will automatically reset when the software program malfunctions.

## **SUITABLE POTS & PANS**

1. Iron
2. Cast iron
3. Stainless steel
4. Enamelware

All pots and pans must have a magnetic bottom.

All pots and pans must have a flat bottom.

All pots and pans should have a diameter between 12 and 26 cm

## **UNSUITABLE POTS & PANS**

1. Pot with diameter below 5 cm.
2. Stainless steel pans with aluminum bottom
3. Pottery
4. Glass pans
5. Aluminum pans
6. Bronze pans
7. Copper pots
8. Pans with feet

## **OPERATING INSTRUCTIONS**

1. Ensure that the electrical supply matches with the electrical specifications on the data plate located on the under side of the unit.
2. Place suitable pan on the center of the ceramic top.
3. Press power ON/OFF key, heating lamp will light and LED power level will be displayed.
4. If the heating indicator light is on, then the pan is heating.
5. Select mode "HEAT" or "WARM" by pressing the required key, the indicating lamp will light.

### **HEAT**

- Press heat function key, heat indicator lamp will light.
- Set heating level by rotating the power control knob 1~19. LED display will show the level settings.

### **WARM**

- Press WARM function key, warm indicator lamp will light.
- Set required temperature by pushing "up arrow (+)" & "down arrow (-)" key. The selection is from 50°C to 240°C, each additional 10°C per step.
- The warm indication light will flash until the required temperature is reached.
- When using the 'WARM' mode the rotating power control knob will not function.
- To change from 'WARM' to 'HEAT' press the heat function key and the power control knob will be activated.

### **NOTE**

When the unit has been turned 'ON' the heating indicating light will be on. This indicates that the pan is heating.

If the indicating light is OFF and there is a beeping noise this indicates that

- the pan is not suitable
- there is no pan on the ceramic top

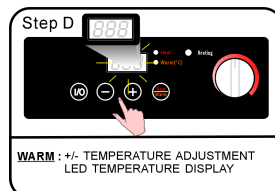
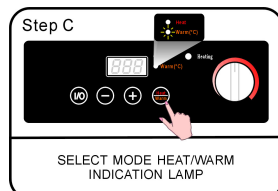
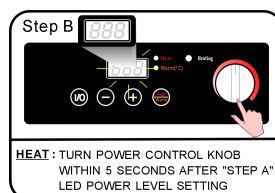
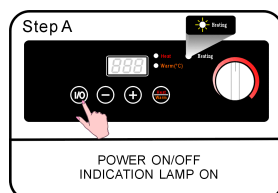
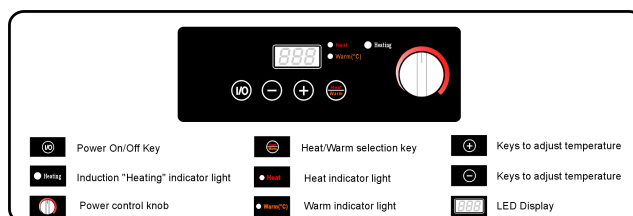
The unit is equipped with an **"OVERHEATING PROTECTION DEVICE"**. When the temperature of the cookware base is too hot, the power will cut out. The heating indication light will flash indicating that the over heating function is on.

Once the temperature reduces, the power will automatically re-start.

### **CAUSE OF OVERHEATING**

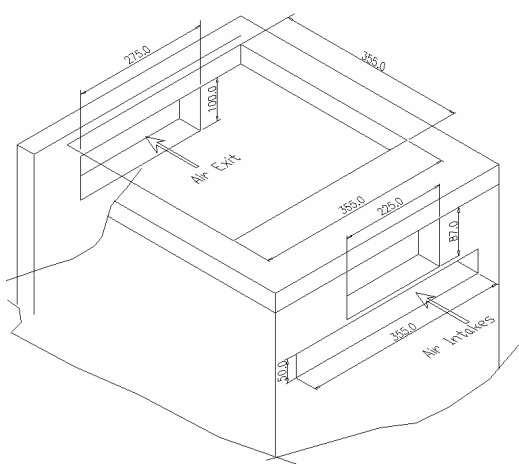
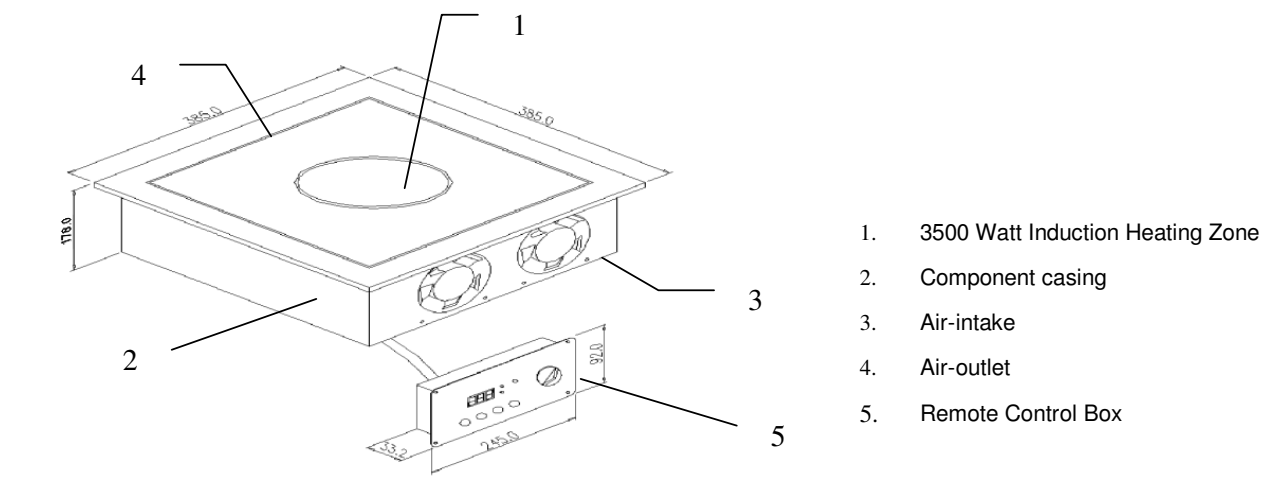
If an empty pan is placed on the ceramic top and the power level is at maximum the ceramic surface will reach high temperature very quickly. Once the pan is removed from the unit or food/liquid is added to the pan, the surface temperature of the ceramic top will reduce very rapidly.

## **CONTROL PANEL**



**SPECIFICATIONS**

Model No.	BI-3500 Induction Hob
Voltage	230V~50/60Hz
Vitro-ceramic Plate	Approx. 300mm x 300mm x 6mm thickness
Electrical Power Consumption	Max. 3500 watt, 15.9A
Electrical Power Range	Approx. 350 watt ~ 3500 watt
Dimension	385mm X 385mm X 178mm(H)
Cut Out Dimension	360 x 360 mm
Remarks	The switching frequency is verified by different power setting, to be between 20~35K Hz.



**TROUBLE SHOOTING**

- If your induction unit appears not to be working properly, it doesn't necessarily mean it's faulty. In all cases, check the following points.

<b><i>Malfunction</i></b>	<b><i>Check.....</i></b>
No indication light when power "on"	Cable/terminal block is loose
	Broken circuit of fuse; or automatic switch in the power supply
	No Power supply
Heating indicator does not light, or is flashing, Appliance fails to heat up	Unsuitable cooking utensil
	No pan on the ceramic top
	Utensil is not located at the centre of the ceramic plate
	Utensil is smaller than 5cm
Appliance suddenly stops heating during operation	Over-heating protection activated
	Air entrance or outlet is blocked.
	High ambient temperature

If you fail to identify the problem contact the after-sales service without delay.