

— PORTABLE —  
HOT AIR GUN  
**INSTRUCTION MANUAL**



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Thank you for choosing this product. Please read the instructions carefully before use. Please retain for future reference.

Safety instructions – to avoid electric shock or injury / damage caused by fire.

1. This is not a toy. KEEP OUT OF THE REACH OF CHILDREN.
2. This product features a grounded three-wire plug. It is designed for use with 220-240VAC mains supplies. It can be used in standard UK power outlets, and in European Schuko style outlets using a suitable plug adapter.
3. The temperature of the unit can reach 400 degrees. Do not use the hot air gun near flammable gases. The metal tube and the heat emitted can be very hot. Careless use may lead to burns. Avoid touching the metal pipe.
4. Before hot air gun turned on, please ensure it is in a safe environment. Do not leave the unit unattended or switched on for long periods of time in between use.
5. Prior to changing the nozzles, please allow unit to cool, in order to prevent injury from touching the unit when still hot.
6. Keep air inlet and outlet free from any obstructions.
7. After use, remember to allow the unit to cool properly before shutting down completely.
8. Working with this unit may release fumes into the environment. Please ensure that you keep your area of work properly ventilated,
9. Over time, it may be necessary to disassemble the rear cover of the unit, in order to clean the dust from the rear cover. This prevents any blockages in the passage of airflow.

### **Warning!!!**

1. If the supply cord is damaged, it must be replaced by an equivalent cord or assembly. If in doubt, please contact your distributor.
2. Avoid using this item in areas where combustible gases may be present. .
3. Do not leave the unit unattended when it switched on.
4. Do not hold the heat on one spot for a prolonged period of time.
5. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. The user should have sufficient experience and knowledge of the unit and its' intended application.
6. Use of this item should be expressly under the strict supervision of a responsible adult.



## **I. Features**

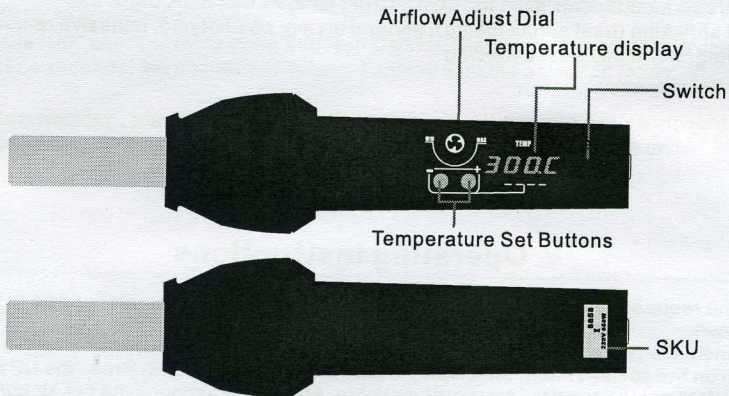
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1. PID programmable temperature control technology. Sophisticated PID programming allows accurate temperature adjustment and stable output..
2. Airflow and temperature are easily adjustable.
3. Incorporates an automatic cool-air cooling feature. This helps to prolong the life of the heating element and protect the hot air gun.
4. Featuring a plug-in ceramic heating element, for ease of replacement.
5. Optional Celsius/Fahrenheit Display Temperature Function:
6. Double-sided internal SMT manufacturing technology.
8. Portable design, small size, light weight, convenient to carry and easy to operate.

## II.Specifications

Input voltage	~110V $\pm 10\%$ 60Hz/~220V $\pm 10\%$ 50Hz
Output Power	650W
Temperature range	100°C-480°C
Display mode	LED Display
Airflow type	Blower
Airflow	120L/min(MAX.)
Handle size	L305 x W60 x H60MM $\pm 3$ MM
Weight	0.6Kg
Operation temperature	0~40°C/32~104°F
Storage temperature	-20~80°C/-4~176°F
Storage Humidity	35%~45%

### III. Handle Schematic





## **IV.Usage**

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1. Suitable for a wide variety of soldering or desoldering applications. Helps to remove electronic components such as: SOIC, CHIP, QFP, PLCC, BGA,SMD, etc.
2. Heat shrinking (heat shrink tubing), general drying, paint drying, adhesive removal, thawing, warming, plastic welding.

## **V. Operating Instructions**

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1. Fit the required nozzle (optional) (try to use largest possible diameter nozzle to help airflow).
2. Connect the power cord.
3. Turn on the power switch, the display shows the set temperature. Press the UP or DOWN to set the required temperature value. After a few seconds the hot air gun start-up. Adjust the airflow dial to set the desired airflow value. After the temperature has stabilized, you may begin heating the application.

4. After use, turn off the power switch. The hot air gun enters the cool-down mode. Once the cooling cycle is complete, you may unplug the power cord.
5. Celsius / Fahrenheit temperature Setup instructions
  - A. Turn on the power switch, press temperature "UP" and "Down" key for 3 seconds. "C" will be flashing in the display.
  - B. Press "UP" and "Down" to cycle between Celsius / Fahrenheit temperature display.
  - C. After 4 seconds, the display will return to normal with the selection made.

**Note: When working, please** try to use low temperature settings and a large amount of airflow if possible, This helps prolong the life of the heating element and the unit.



## **VI. Symbol Description**

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1. Display shows "●", Unplug the power cord if not in use for a long time.
2. Display shows "S-E". It indicates sensor error detection.  
This is usually an indication that the heating element needs replacing.
3. If the temperature display remains lower than 50 degrees and no longer heats, the heating element may be damaged. Replacement of the heating element will be required to restore full function..

## **VII. Terms of Use**

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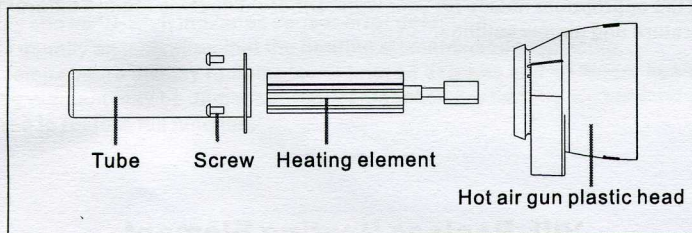
1. The hot air rework outlet and the surrounding area may reach very high temperatures. Care should be taken to guard against burns.
2. The Hot Air handle must be placed properly on the handle's stand. Do not place the unit on a work surface without using the stand.
3. Please ensure the Hot air's outlet is clear, This must remain free from any blockages or obstructions.

4. After use, place handle safely on the attached stand and switch off. The unit will cool down below 70°C and enter standby mode, It is then safe to unplug the unit. .
5. Please maintain a gap of at least 2mm between hot air outlet and your work.
6. Select the appropriate nozzle for your work. Different nozzles require different temperature and airflow settings.

## **VIII. Replace Heating Element**

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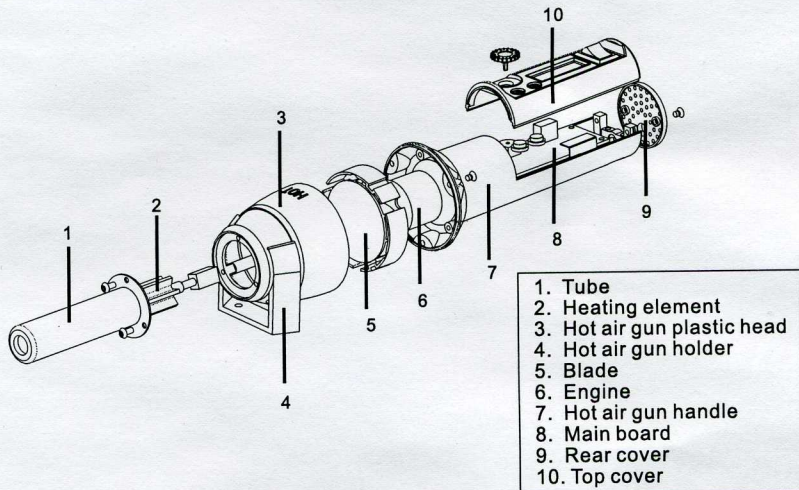
1. Loosen the 3 screws on the steel tube
2. Remove steel tube and then pull out ground wire
3. Pull out heating element
4. Replace heating element with new element
5. Wrap mica paper protector
6. Insert steel tube and connect with ground wire
7. Tighten the screw



### Heating Element Replacement



## IX. Component Parts



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**Statement: Product specifications and design are subject to change without notice.**