

# **660A**

## **SOLDERING STATION**

### **Instruction Manual**

#### **WARNING**

- Please follow the enclosed instructions, for safe and reliable operation of this soldering product.
- Please keep this instruction manual for future reference.



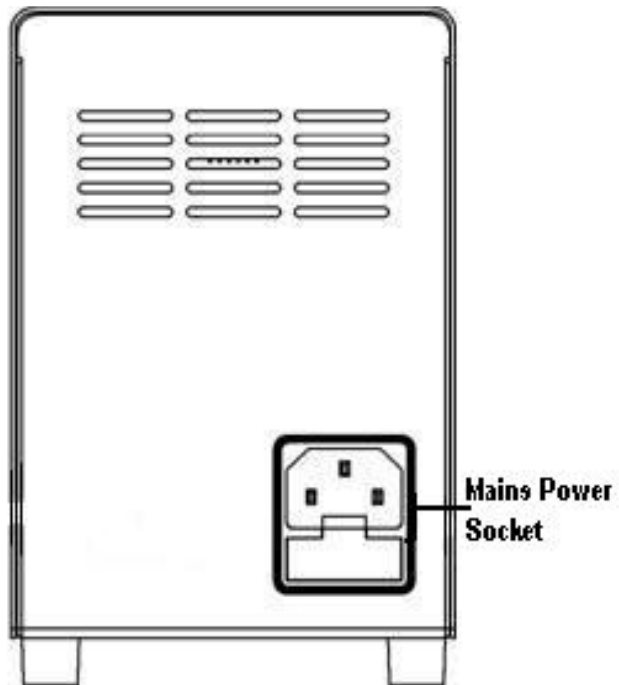
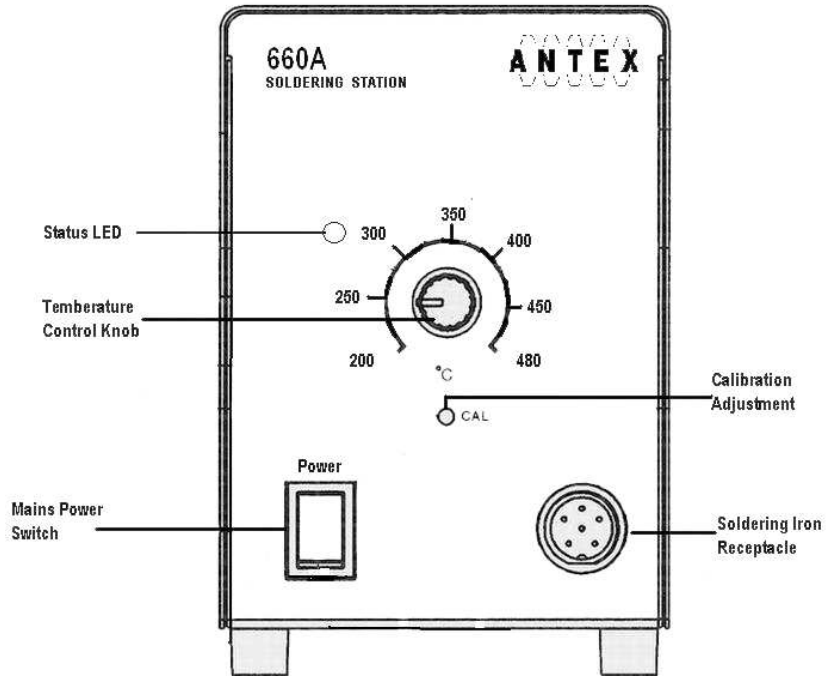
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## WARNINGS

- Do not operate this unit near any explosive or flammable materials.
- For indoor use only.
- Should not be used in damp environments, or where the equipment could be subjected to liquid ingress/spillage of any kind.
- Ensure that the unit is of the correct voltage/specification for connection to the mains supply being used, and that the mains supply is approved for this purpose.
- If the supply cord of this appliance is in any way damaged, the unit must not be used.
- The unit and soldering iron stand must be positioned on a level work surface/bench, and the accompanying soldering iron must be positioned in its stand, when not being used.
- Must be used by competent persons only.
- This is a non user serviceable product. If any malfunction is experienced, the unit must be disconnected from the mains supply, and advice sought from the manufacturer or qualified service personnel only.
- This soldering equipment must not be used on voltage carrying circuitry. Any areas being soldered must be fully disconnected from any power supplies or power sources before carrying out any soldering work.
- Approved Personal Protective Equipment must be used to protect persons using this equipment from any potential injury/hazards.
- The manufacturer shall not be liable for damage/injury resulting from misuse of this equipment, or unauthorized alterations.
- See Antex website for updated operating instructions and further information on this product [www.antex.co.uk](http://www.antex.co.uk).

Panel Illustration.





## Packing List.

660A Soldering Station.  
Mains Lead.  
TC50 Soldering Iron.  
Soldering Iron Stand.  
Instruction Manual.

## Specification.

Input Voltage	230V 50Hz
Output Power	50W
Material Housing	A3 steel
Dimensions	160 x 95 x141mm
Temperature range of Soldering Iron	200°C ~480°C

## Instructions.

Ensure that the mains power specification of the station matches the rating of the power supply outlet being used.

Before use, position soldering station and soldering iron stand on a suitable level surface or work bench.

Ensure the TC50 soldering iron is fitted with the appropriate bit to perform the soldering task being carried out. The bit should be fully pushed onto the stainless steel shaft and correctly secured by the bit retaining shim (internal metal shim inside the holed end of the bit).

Position soldering iron into stand, and plug soldering iron into front panel of station. Tighten the metallic locking collar on the soldering iron connector plug to secure the plug assembly to the station front panel connector receptacle.

Plug the supplied mains lead into the socket at the back of the station and then into an appropriate mains socket of the correct specification.

Adjust the main temperature control knob (centrally mounted on front panel), to the desired soldering iron tip temperature. Turn on the station using the front panel mains power switch.

Tin the tip of the bit using appropriate lead free solder as the bit heats up (on it's warm up cycle). This will ensure good soldering performance, and help to protect the bit from oxidization.

The red LED mounted on the front panel will illuminate continuously as the soldering iron warms up, and will go out when the iron reaches the selected temperature. The LED will then cycle on and off as the station maintains the required power output for the selected temperature setting.

After the soldering task has been completed, the iron should be placed back in its stand. It is also recommended to leave a liberal quantity of solder on the tip of the bit, and then to wipe off any excess solder on a moistened sponge (sponge supplied with the stand) before carrying out the next soldering task.

## **Maintenance.**

We recommend that the tip of the bit is kept in a clean condition, and is occasionally carefully removed from element shaft. Any debris should be removed from the bit, and the element shaft lightly cleaned (with emery cloth) if required. When re fitting the bit, ensure the bit is not loose on the element shaft, and if necessary replace the internal stainless steel shim.

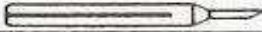
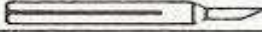
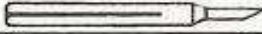

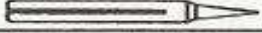

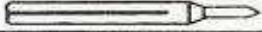
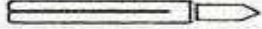
Always tin the tip of a new bit on the soldering irons' warm up cycle, (before the iron gets to its full working temperature), this will help improve performance of the bit.

If the soldering iron is not being used for long periods of time we recommend turning off the station at the mains switch to prolong bit life etc.

## **Calibration.**

The temperature calibration of the station can be adjusted if required, using a small flat bladed screwdriver to adjust the calibration pot located on the front panel of the main unit. This adjustment should only be carried out by competent/qualified personnel only, and must be carried out using approved temperature sensing equipment for accurate referencing/adjustment of the unit.

Compatible tips.

REF.	STYLE	TIP SIZE (mm)
1100		2.3
1101		3.0
1102		4.7
1103		6.0
1105		0.5
1106		1.0
1108		3.0
1109		5.0

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