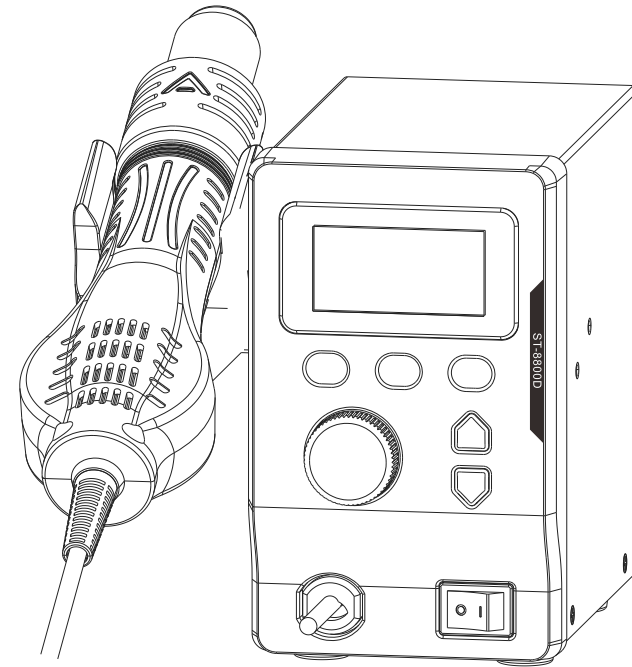


SHENZHEN ATTEN TECHNOLOGY CO., LTD.

- Soldering iron • Soldering station • Hot air rework station
- Multi-function maintenance system
- Regulated DC power supply • Switching DC power supply
- Programmable power supply

ATTEN



ST-8800D Hot Air Station User Manual

SHENZHEN ATTEN TECHNOLOGY CO., LTD.

Add: Floor 8, Building 2, Senyang High-tech Park, 7 West Road
High-tech Park, Guangming New district, Shenzhen 518132, China

Tel: +86-755-2697 6387

Fax: +86-755-8602 1337

Web: www.atten.com.cn(CN)

www.atten.com(EN)

Email: sales@atten.com.cn

Engineer's partner

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CBN032022(B)

SHENZHEN ATTEN TECHNOLOGY CO., LTD



Maintenance

(diagram 1-23) Display S-E is a sensor fault, (diagram 1-24) diaplay H-E is a heater core fault.



diagram 1-23



diagram 1-24

Product warranty

- This product is guaranteed for two years from the date of purchase(excluding consumables such as the heating core). If any quality problem is found within the guarantee period, we will response for the maintenance free of charge.
- For those product beyond the warranty period, we provide life-long maintenance services.
- For those product damaged due to users' improper application and unauthorized changes to the product parts, our company only provides limited warranty service.
- In case of a product fault, please send the faulty product to the designated maintenance shop for maintenance, and those service center and personnel unauthorized by the factory are prohibited from carrying out any maintenance on the product.

After-sales contact

After-sales service department Tel: (+86) 755-26976387

Product warranty card	Product Certification
This product is guaranteed for two years from the date of purchase. If any quality problem is found within the guarantee period, we will response for the maintenance free of charge on presentation of this card and the receipt. We will repair and return the repaired equipment to the customer within 2 working days of the receipt date. Note: This warranty card must be attached when this product is returned to the factory for maintenance, otherwise free maintenance will not be accepted. Thank you for your cooperation!	Product Model: _____ Product No.: _____ Inspector: _____ Ex-factory date: _____ Salesperson: _____ Sold Date: _____



7.Password Setting Function

Under the PSD menu, press “▲” and “▼” button to adjust the password setting value. The password value can be set from “01” to “999”. (diagram 1-19) Display 00 means the password function is off, (diagram 1-20) to enter the menu interface. The first time you enter the password is not set, press 2 button to enter the menu mode , then set the password and press 2 button to confirm the menu.
(Note: Directly enter password 906 to enter the menu interface in case of forgetting the password)



diagram 1-19



diagram 1-20

8.Restore Factory Setting

In FAC menu ,press “▲”and“▼”keys to adjust ON/OFF. Press the [2] key when the menu is ON, then return to the normal operation interface to restore factory setting



diagram 1-21



diagram 1-22

Default value :

- Loc (temperature locked function) : OFF
- CAL (calibration value) : Cleared
- BL (Beeping function) : ON
- F-C(temperature unit) : °C
- HT(Timing operation) : OFF
- PSD(Password) : OFF
- Memory temperature 1 : C-L (Cool air function)
- Memory temperature 2 : 300°C/50% Air flow
- Memory temperature3 : 400°C/50% Air flow

Copyright information

The design of this product (including internal software) and its accessories is under the protection of relevant state laws. Any infringement upon the relevant rights of our company will be subject to legal sanctions. Users shall consciously abide by the relevant state laws when using this product.

Description of common symbols

Thank you for using our products. Before using the product, please read this manual carefully and pay attention to the relevant warnings and cautions mentioned in this manual.

⚠ Warning	Misuse of this product may lead to serious injury or death to the user.
⚠ Caution	Misuse of this product may lead to serious injury to the user or material damage to the object involved.

Essential knowledge for users

Users are required to have basic knowledge of common sense and electrical operations before using the product.Minors shall use the product under the guidance of a professional or guardian.

[Caution]: To avoid damaging the equipment and keep the safety of the operational environment, please read this manual carefully before use and keep it well so that you may read it at any time when necessary.

Safety precautions

To avoid electric shock or injury to the human body or fire hazard, the following basic rules must be observed when using the equipment. In order to ensure personal safety, only parts and accessories approved or recommended by the original factory can be used, otherwise, serious consequences may occur!

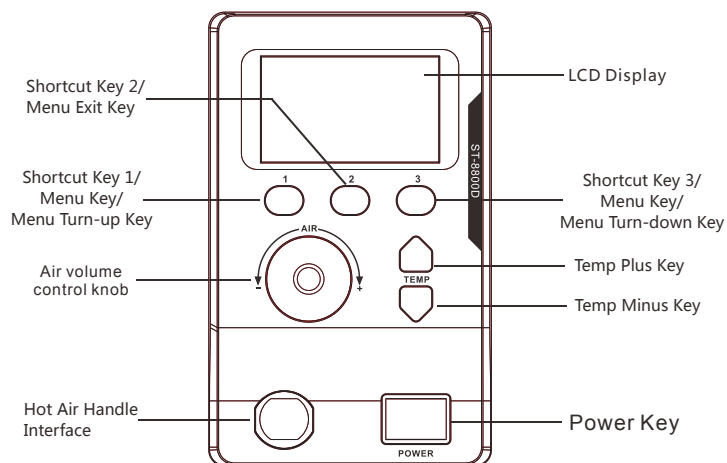
⚠ Warning
When using this product, the spray nozzle of hot air gun, with the temperature up to 100–480℃, may cause burns to the user or cause a fire due to improper application. So Users shall strictly observe the following rules: ● Keep this product away from flammable materials. ● Keep the product out of children's reach. ● Do not use this product if you are inexperienced or have no sufficient necessary knowledge without the guidance of related personnel. ● Do not use this product under wet environment or with wet hands to avoid electric shock. ● Do not modify this product or its accessories without authorization. ● Please turn off the power when replacing parts and iron tips, and do not resume the use until the equipment is completely cooled down. ● Please use the accessories from the original factory when replacing the product parts. ● Make sure to turn off the power switch when the equipment is temporarily stopped or out of use.

⚠ Caution
● To ensure the normal operation of this product' s ESD function, only three-core power cord shall be used as the host connecting line. ● Do not play or do other similar dangerous actions when using this equipment, because it can easily lead to injury to others or yourself. ● Do not use this product for purposes other than de-soldering. ● Do not modify this product and its accessories, otherwise the original warranty will be invalidated or damage may occur to the product. ● When plugging and unplugging the power cord and handle plug, please hold the plug body and do not pull the cord. ● Do not hit the product or its accessories too hard during the operation; otherwise damage may occur to the product.

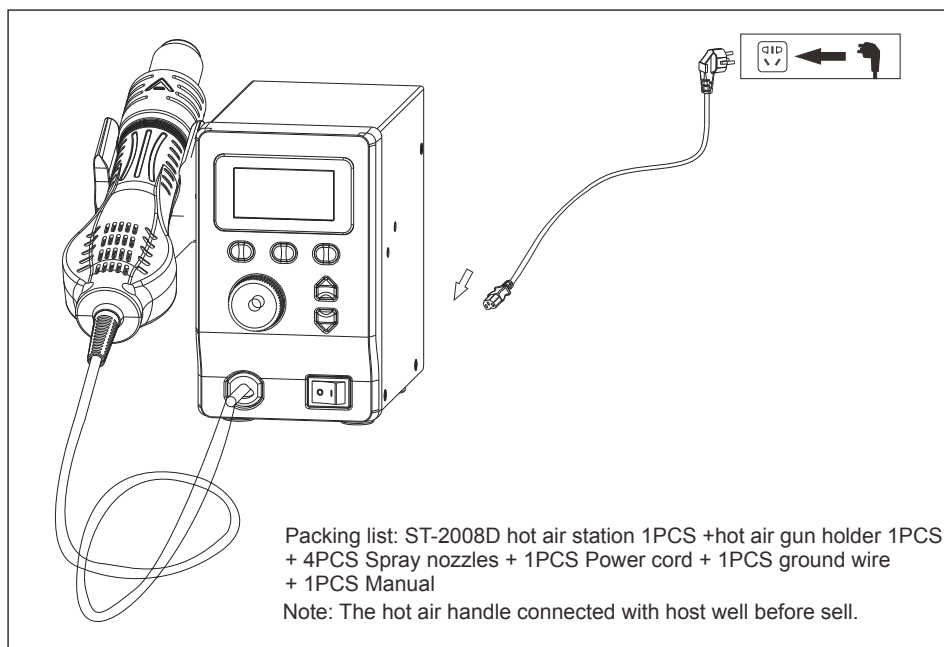
Disclaimer

We will take no responsibility for any personal injury or property damage caused by reasons other than the product quality problem, which may include force majeure (natural disasters, etc.) or personal behavior during the operation of this product. This manual is organized, compiled and released by SHENZHEN ATTEN TECHNOLOGY CO., LTD. according to the latest product features. We will not be responsible for further notice of the subsequent improvement of the product and this Manual.

Schematic Diagram of the Whole Equipment



Connection Diagram for the Whole Equipment



4. Temperature Unit Exchange

Under C-F menu ,press“▲” and “▼”button to exchange temperature unit, Diagram 1-13 -C- set temperature unit is °C ,diagram 1-14 is °F.

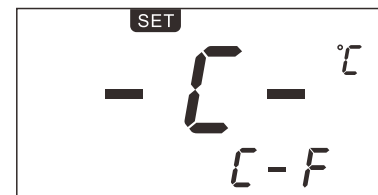


diagram 1-13

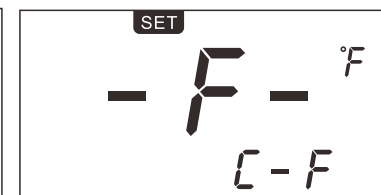


diagram 1-14

5. Temperature Calibration

Under the CAL menu, press the “▲” and “▼” button to adjust the value. Calibration range [-50 °C ~ 50 °C (-90°F ~ 90°F)]. When the real temperature is lower than the display temperature, the compensation takes a positive temperature value. When the real temperature is higher than the display temperature, take a negative temperature value.



diagram 1-15

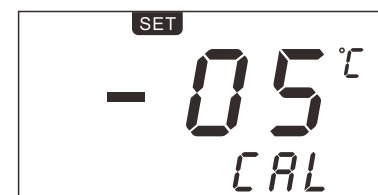


diagram 1-16

When replacing the heating element or the handle, the temperature if not accurate, can be calibrated by changing the following parameter.

Operation is as follows:

1. Set the to-be-calibrated temperature of the handle to a suitable temperature, such as 350° C / 662 °F.
2. After the temperature is stabilized, use the thermometer to measure the actual temperature of the soldering tip of the current handle, for example, the actual temperature is measured as 365 °C / 689 °F.
3. Through the analysis, it is concluded that the actual current temperature is 15 °C / 27 °F higher than the set temperature.
4. Set the temperature compensation value to -15 °C / -27 °F to compensate the error of the output temperature.

6. Alarm Setting Function Switch

Under the BL menu, press “▲” and “▼” button to switch the alarm function. (diagram 1-17) is OFF , (diagram 1-18) is ON .

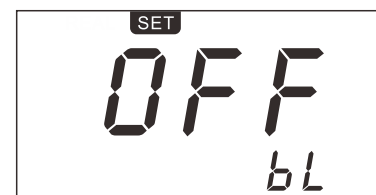


diagram 1-17



diagram 1-18

Saving and Retrieving Shortcut Temperature(User define)

1. Retrieving shortcut temperature: It can rapidly retrieving preset temperature and blowing restored in Button "1" / "2" / "3" by pressing Button "1" / "2" / "3" .(Diagram. 1-8) when working
2. Saving shortcut temperature: It can save the user-define temperature and blowing in Button "1" / "2" / "3" by pressing Button "1" / "2" / "3" more than 2 seconds.

Menu Mode

Enter into menu mode by pressing both Button "1" and "3" more than 3 seconds under working status.

1.Button Definitions In Menu Setting Mode.

- 【1】 Up button
- 【2】 Exit and set button
- 【3】 Down button
- ▲ increase value
- ▼ decrease value

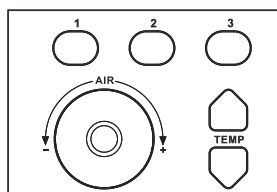


diagram 1-8

2. Timing function

Under the HT menu, press "▲" and "▼" keys to adjust the timed working time. [1] [3] key to switch menu up or down, [2] key to exit and save setting values.(Diagram 1-10) display OFF to turn off timing function. The minimum setting time is 10 seconds and the maximum is 900 seconds. (Diagram 1-9) the timing work time is 20 seconds. (Note: the timing function is effective after hot air gun starting to work next time.)

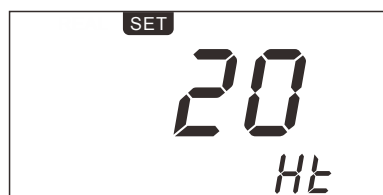


diagram 1-9



diagram 1-10

3. Temperature Lock Function

Under the Loc menu, press "▲" and "▼" button to turn on/off . [1] [3] button to switch menus up and down, [2] button to exit and save settings. diagram 1-11 is locked, diagram 1-12 is unlocked.



diagram 1-11

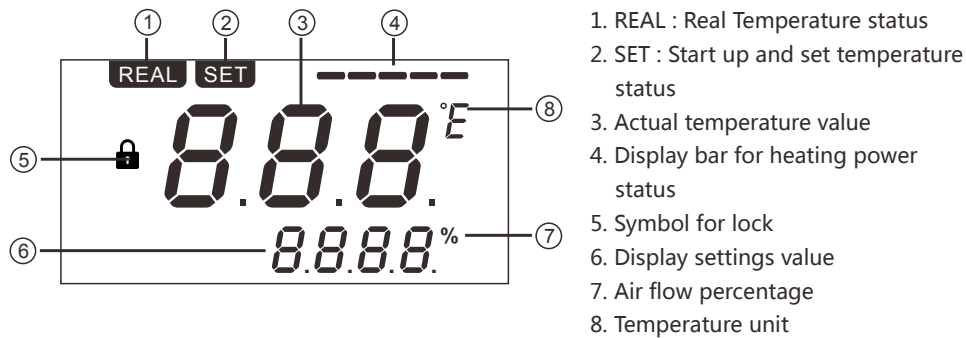


diagram 1-12

Technical Data

Model:	ST-8800D
Voltage	AC230V±10% 50Hz (110V±10% 60Hz Optional)
Power	800W (Max)
Fuse type	T5A (230VAC) T10A(110V AC)
Temperature range:	100°C~500°C/212°F~932°F
Temperature accuracy	±35°C
Setting range of air volume	10%~100%
Temperature unit	°C/°F (default °C)
Air flow	30~120L/min
Standby heater cooling function	Support
Maintenance	Display S-E is a sensor fault Display H-E is a heater core fault.
Abnormal detection of temperature sensor	Temperature sensor open circuit detection
Beep alarm function	Available
Quick function	3 sets shortcut temperatures
Temperature compensation	±50°C/±90°F
Heating status display	5 dynamic simulate bars
Temperature adjustment	Long press to adjust temperature quick by 1 unit value Short press to adjust temperature slow by 1 unit value
Air flow adjustment	adjust by 1 unit value
Shortcut temperature/air flow	3 sets shortcut temperatures/air flow for quick selection
Working conditions	Temperature 0-40°C, relative humidity <80%
Storage conditions	Temperature -20-80°C, relative humidity <80%
Dimension	167(L)x142(W)x148(H)mm
Weight	About 1560g

LCD Description



Boot-up Screen

After the station has been switched on, the display will turn on and show the system version number for one second before switching to the normal display.



(Means ST-8800D V0.1 version)

Work setting

1. Normal work display screen

Diagram 1-1 mean: the real temperature value is 300 °C, setting temperature value is locked, air flow is 50%, Heating power bar state is 3. The factory default "1" key is the cool air function and displayed as diagram 1-2. The cool air function is used when the temperature setting value under 100 °C.

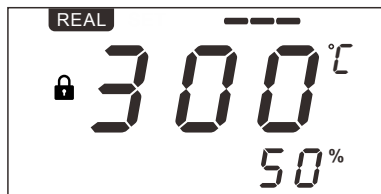


Diagram 1-1

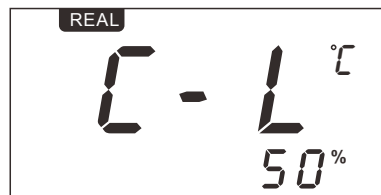


Diagram 1-2

2. Timing function display screen

Diagram 1-3 display the timing function is working. the air gun will cool down and then enter OFF state when the time is zero.



Diagram 1-3

3. Hot air gun stand-by status

Diagram 1-4 is the air gun stand-by status, also can adjust the setting value. the machine will work with the set value when the air gun is restored. The air gun blows at the maximum air volume when the handle is placed on the holder. The hot air gun will enter stand-by status when the temperature drops under 100 °C or stop heating after 15 seconds. The machine will return to work when picking up the handle.

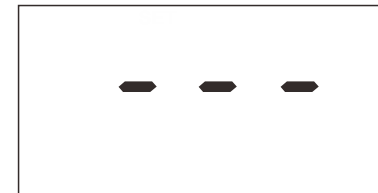


Diagram 1-4



Diagram 1-5

4. Hot air gun auto-sleep status

Diagram 1-5 is the air gun auto-sleep status, the machine will automatic enter the sleep status when stopping to work for 30 minutes, the machine won't re-work when the handle dropped or picked up until press any button to re-work status.

Temperature /Air flow setting

- Adjust the air flow value : adjust knob AIR (Diagram 1-6), toward "+" to increase the air volume, toward "-" to reduce the air volume, automatically save the setting value after 3 seconds.
- Adjust the temperature value (not available when locked): Press "▲" or "▼" button to switch to setting state (Diagram 1-7). Long press can be quickly adjusted. automatically save the temperature setting value after 3 seconds. and switch to the real temperature state REAL.

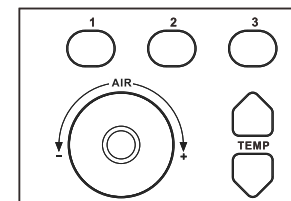


Diagram 1-6



Diagram 1-7