

SHENZHEN ATTEN TECHNOLOGY CO., LTD.

- Soldering Iron
- Hot Air Rework Station
- Thermal Wire Stripper
- Automatic Equipment
- Soldering Station
- Multifunctional Maintenance System
- Preheating & Reflow Platform
- Fume Extractor

ATTEN



MS-1600 4 In 1 Rework Station User Manual

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MADE IN CHINA
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SHENZHEN ATTEN TECHNOLOGY CO., LTD

Contents

01. Precautions for Safety and Usage.....	01
02. Packing List.....	02
Packing List.....	02
Accessory List.....	02
Optional	03
03. Specifications.....	03
Host.....	03
Handle parameters.....	04
Packaging Parameters.....	04
04. Product Introduction.....	05
Front	05
Back.....	06
Keypad Function.....	07
05. Complete Unit Connection.....	08
06. Main Interface Introduction.....	09
Power on display.....	10
Working status.....	10
Temperature value adjustment.....	10
07. Function Introduction.....	11
Main interface.....	11
Real time curve.....	11
Channel settings.....	12
[Temperature lock].....	12
[Temperature compensation].....	12
[Standby delay].....	13
[Sleep delay].....	13
[Preset temperature].....	14
[Standby temperature].....	14
[Temperature warning].....	14
[Counter].....	15

11/Product warranty

Warranty regulations

- ① The warranty period for this product starts from the date of purchase. During the warranty period, any malfunctions occurring due to the product's own quality issues can be serviced free of charge at our designated authorized repair center (or ATTEN) by presenting the original warranty card in accordance with the terms of this warranty card. Please keep your purchase receipt and this warranty card and present them together during repairs.
- ② During the warranty period, the following situations will incur paid repair services:
 - a. Inability to present a valid warranty card or valid proof of purchase.
 - b. The warranty card has incomplete or altered information, such as the purchase date or seller's name.
 - c. Damage caused by improper operation or failure to follow the instructions and precautions in the user manual.
 - d. Damage resulting from natural disasters or force majeure.
 - e. Damage caused by disassembly, repair, or modification of the product without manufacturer authorization.
 - f. Replacement of consumable or wear-and-tear parts (such as soldering iron tip, heating element accessories, etc.)
- ③ The warranty card must be completed in full by the distributor or user to qualify for the 24-month warranty period.
- ④ Please keep this warranty card safe. Lost cards will not be reissued.
- ⑤ Special cases will be subject to mutual agreement.
- ⑥ The final interpretation rights belong to ATTEN.

User Notice	Product Warranty Card
This product is covered by a 24-month warranty from the date of purchase. In cases of product-related quality issues, ATTEN is responsible for free repairs when presenting this card and the purchase receipt.	Product Name: _____
Note: When returning the product for repairs, the warranty card must be included, or else free repairs will not be provided. Thank you for your cooperation (please read the warranty policy for more information on warranty-related details).	Product Model: _____
	Serial Number: _____
	Date of Purchase: _____

This product has been inspected and meets the technical standards, this product is qualified.

After-sales service

- If the machine malfunctions or any unknown reasons prevent the machine from working properly, please contact your local dealer or manufacturer for consultation.
- After-sales email: support@atten.com

10/Troubleshooting Guide

Warning

Before carrying out any cleaning or maintenance work, please be sure to cut off the power cord from the power socket. It must be operated by a professional when checking for faults or cleaning the machine.

Please wait for the soldering iron to completely cool to room temperature.

Phenomenon	Reason	Measures
E-0	Handle removed (no soldering iron)	1. Reconnect the handle 2. Check for an open circuit inside the handle
E-2	Sensor failure	1. Heating element damaged; replace heating element 2. Sensor lead open circuit; inspect heating element sensor lead
E-3	Abnormal power supply frequency	Damaged zero-crossing sensor or abnormal grid frequency. For sensor damage, return to factory for repair.
E-4	Fan failure	Fan malfunction. We recommend replacing the fan or returning it to the factory for repair.
E-5	Overcurrent Protection	Internal short circuit in the heating element. We recommend replacing the heating element or returning the unit for factory repair.
E-8	Over-temperature protection	1. Temperature sensor malfunction; replace heating element. 2. Heating element overheating; shut down, allow cooling, then restart the machine. 3. Damage to other components; return for factory repair.
E-10	Heating output switch failure	The component has been damaged or has failed. Replace the heating output component or return the unit to the factory for repair.
E-14	Internal communication error	Poor internal wiring connections or damaged components. We recommend returning the unit to the factory for repair.
E-15	Accessories not supported	1. This device does not support this heating element or tool model. Please use supported accessories. 2. The component is damaged. We recommend returning it to the factory for repair.

Contents

[Channel status].....	15
[Heater model].....	15
[Reset].....	16
System Settings.....	16
[Language].....	16
[Password switch].....	16
[Upper/Lower temperature limit].....	17
[Sound].....	17
[Password switch].....	17
[Change Password].....	18
[Slave Host Mode].....	18
[Peripheral].....	18
[Peripheral Startup Delay].....	19
[Peripheral shutdown delay].....	19
[Communication parameter].....	19
[RS485 Communication Host Mode].....	20
[RS485 Communication Slave Mode].....	20
[Export Real-time Curve File].....	21
[Reset].....	21
Restore factory.....	21
Update Software.....	21
08. Soldering iron seat introduction.....	22
09. Heating Component Replacement.....	23
Replacement of Handle Heating Element.....	23
Replacement of Heating Element of Electric Tweezers.....	23
Vertical Calibration of Tweezers Heating Element.....	24
Cleaning solder Suction.....	24
Tin gun suction nozzle replacement.....	24
Change the heating core of tin gun.....	25
Clean and Replacement of Solder Desoldering Gun Solder Storage Tank.....	25
10. Troubleshooting Guide.....	27
11. Product warranty.....	28

01/Precautions for Safety and Usage

- The design of this product, including its internal software and accessories, is protected by relevant national laws. Any infringement of our company's relevant rights will be subject to legal punishment. Users should consciously abide by relevant national laws when using this product.
- **Thank you for using our product. Please carefully read this manual and pay attention to the relevant warnings and precautions mentioned in the manual before use. Please keep this manual properly for future reference when needed.**

Warning: Incorrect use may result in death or serious injury to the user.

Caution: Incorrect use may result in injury to the user or substantial damage to the object involved.

- We require users to have basic life knowledge and basic electrical operation knowledge before using this product. Underage users must use this product under the guidance of professionals or guardians.

Caution: To avoid injury, please maintain a safe working environment.

- The following basic items must be followed when using this machine to avoid electric shock, injury to human body, fire and other hazards!
- To ensure personal safety, it is necessary to use parts and accessories approved or recommended by the original factory, otherwise serious consequences may occur !

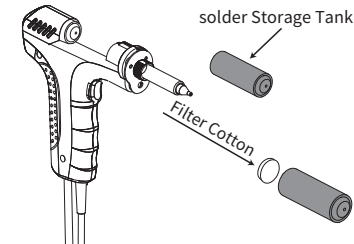
Warning

- Please read all information before use.
- The power should be turned off when not in use or unattended. This tool must be placed on a stand, and the handle should be placed on the soldering iron holder.
- Do not use this product in any environment with any flammable or explosive materials. When using it, notify others in the area near the machine. Do not touch the equipment due to high temperature.
- Do not use this product in the same place for a long time.
- Attention: The heat may be conducted to combustible materials beyond your line of sight .
- Please do not leave the device unattended while it is turned on.
- This product is not suitable for use by any individuals with physical or intellectual disabilities, including children and those lacking relevant experience and knowledge, unless supervised or guided by personnel responsible for their safety.
- Children should be supervised to ensure that they do not come into contact with or play with this product.
- Children are not allowed to clean and maintain this product without supervision.
- Any damaged power cord must be replaced by the manufacturer's service agent or personnel with similar qualifications to avoid danger.

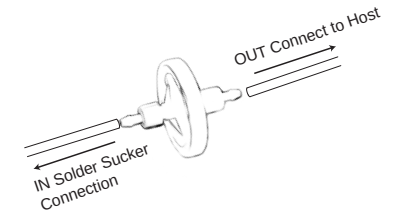
Attention

- Please ensure that the voltage used for this product meets the applicable voltage in your local area before connecting the power supply to avoid permanent damage to the machine.
- There may be smoke during welding. Please use this product in a well ventilated environment.
- When using this product, the temperature of the welding nozzle can reach 80 °C to 450 °C 176 °F to 842 °F. Overuse may cause burns or fires.
- Do not use this product without guidance from relevant personnel, or without experience or insufficient preparation of necessary knowledge.
- Do not wet the welding table. Do not use it in damp environments or operate it with wet hands. This product is designed to prevent electric shock.
- Do not immerse the heating element in any liquid to prevent damage to the heating element.
- This product has a grounding function. To ensure normal use, please ensure that the power supply is well grounded when connecting the machine.
- When replacing components or installing soldering iron, the power should be turned off and the soldering iron should be allowed to cool to room temperature.
- Please use original ATTEN accessories when replacing any components.
- Please do not use it for any purposes other than the functionality of this product to avoid machine damage or personal injury.
- Do not modify this product and its accessories, which will result in the loss of the original factory warranty qualification and damage to the product.
- When unplugging or plugging the power cord, please hold the plug body and do not pull or tug on the wire.
- Do not forcefully tap this product and its accessories during use, as this may damage the product.
- Do not play or engage in any dangerous behavior while using the machine, which may cause injury to others or yourself.

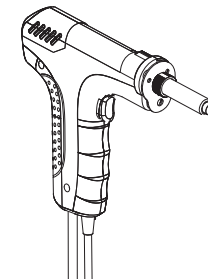
- 4** (as shown in the picture) if the filter cotton is hardened due to the accumulation of solder and flux or the negative pressure generator is "CLOGGED" if the light is red, it needs to be replaced.



- 5** (As shown) Disc filters must be replaced when hardened due to accumulated solder and flux.



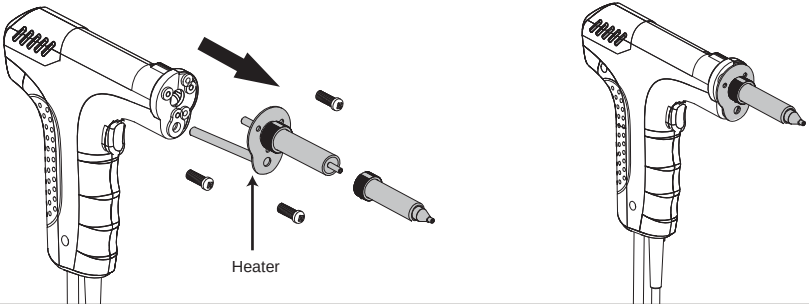
- 6** Reload the solder storage tank into the desoldering gun



Change the heating core of tin gun

1 Remove the desoldering gun at the front end of the heating core, remove the steel sleeve of the solder suction, and remove the heating core.

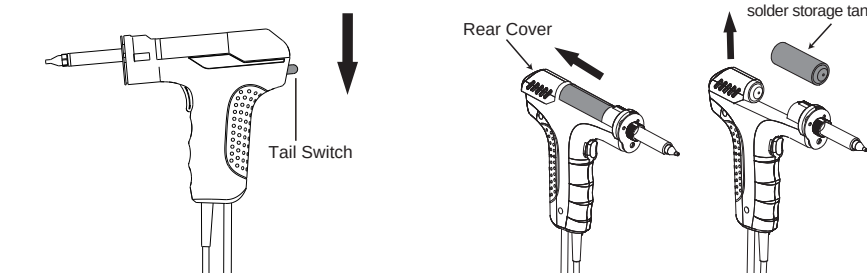
2 Replace with a new heater, then reassemble it into the handle.



Clean and Replacement of Solder Desoldering Gun Solder Storage Tank

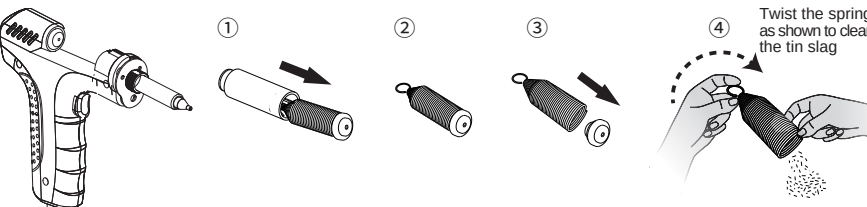
1 Clean and replacement of solder desoldering gun solder storage tank;

2 Push back the back cover to remove the solder storage tank;



3 Take out the spring in the solder storage tank, pull out the rubber plug and twist the spring clockwise to clean the tin slag;

4 Twist the spring as shown to clean the tin slag



Note: The spring filter pipe needs to be cleaned or replaced when collecting and storing two-thirds of the tin slag.

Disclaimer

- Our company is not responsible for any personal injury or property damage caused by non-product quality defects due to the user's failure to follow relevant guidance during the use of this product, natural disasters or other force majeure events, or personal behavior.
- This manual has been prepared, compiled and distributed by Shenzhen ATTEN Technology Co., Ltd. based on the latest features. During the subsequent improvement process of this product and manual, our company is not responsible for any additional notifications, thanks for your understanding.

02/Packing List

Packing List

Model	Packing List						
	MS-1600 Host	GT-X151 Handle	S-21 Workstand	GT-Y151 Handle	S-28 Workstand	Workstand Line	SP-202D Handle
MS-1600	*1 PC	*1 PC	*1 PC	*1 PC	*1 PC	*1 PC	*1 PC
	H-06 Wind gun stand	GT-B001 Pen suction handle	GT-N080 Handle	S-27 Workstand	Connection line (Tweezers holder)	USB cable	Static wire
	*1 PC	*1 PC	*1 PC	*1 PC	*1 PC	*1 PC	*1 PC
	User Manual	Power cord	Certificate				
	*1 PC	*1 PC	*1 PC				

Accessory List

Model	List of consumables						
	T151 Mouthpiece	850 Nozzle	Disc-type filter	Quick-release sleeve	Needle insertion	Needle Set Box	Vacuum pen suction
MS-1600	*3 PCS	*3 PCS	*4 PCS	*1 PC	*2 PCS	*1 PC	*4 PCS
	Straight shank twist drill bit	Hand drill	Spring inside the soldering tube body	O-ring	Pre-insertion plug for soldering tube	Dust mop	Suction cup
	*1 PC	*1 PC	*1 PC	*2 PCS	*2 PCS	*10 PCS	*12 PCS

Optional

Handle



GT-Y040 Handle
(Compatible with T40 series
soldering iron tips)

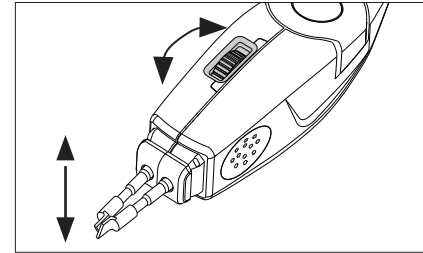


GT-Y151 handle
(Compatible with T156 series
soldering iron tips)



GT-N080 controller
(Compatible with T40N series
soldering iron tips)

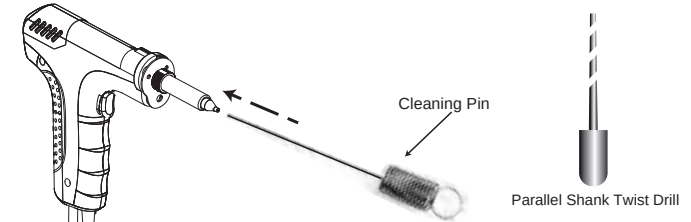
Vertical Calibration of Tweezers Heating Element



Pushing the roller of the electric tweezers as shown in the figure can uniformly align and calibrate the heating element vertically.

Cleaning solder Suction

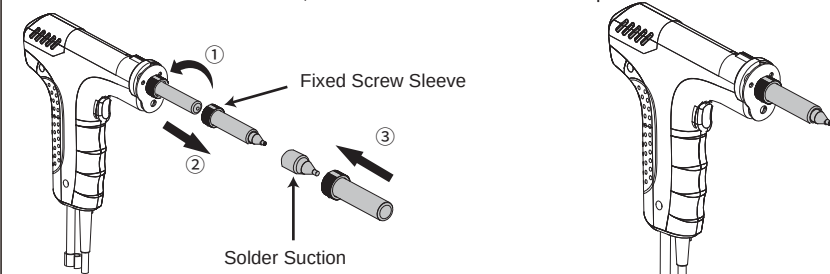
When the solder suction is blocked, it can be cleaned for the solder suction.
If there is residual tin agglomeration, it can be cleaned with straight handle twist drill.



Note: When the cleaning Pin and parallel shank twist drill can not pass through the suction nozzle, it is necessary to replace the solder suction.

Tin gun suction nozzle replacement

- 1 Unscrew the desoldering gun of the heating core of the tin gun and remove the solder suction;
- 2 After replacing the new solder suction, follow the disassembly steps to reinstall the handle.



03/Specifications

Host

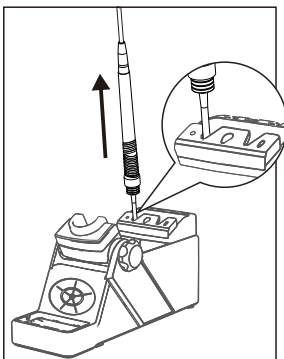
Model	MS-1600
Input voltage	AC 230V 50Hz
Rated power	1600W
Temperature unit	°C / °F, Defaulted°C
Temperature djustment step	Long press for quick adjustment, Short press to adjust by 1 unit number
Shortcut parameters	Support customization of 3 sets of shortcut parameters
Temperature lock	Support
Static grounding is available	Support
USB firmware upgrade	Support
External communication	RS485
Hibernation delay	Adjustable from 1 to 60 minutes (can be turned off, default is 15 minutes)
Language	Supports Chinese, English, German, Spanish, French, Japanese, Korean, and Russian
Display mode	TFT color screen
Work environment	Temperature: 0°C to 40°C Humidity: < 85%RH
Dimensions	300(L)x295(W)x125(H)mm
Product weight(Host)	≈11.7kg

09/Heating Component Replacement

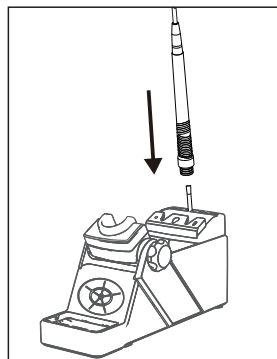
⚠ Warning

When replacing the heating element and solder tip, be sure to disconnect the machine's power supply and wait until the heating element and handle have completely cooled to room temperature.

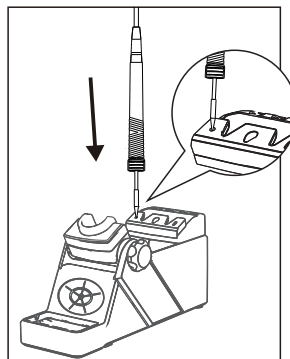
Replacement of Handle Heating Element



① Place the handle into the V-shaped slot of the soldering iron holder and pull up the heating element in the direction indicated by the arrow.



② Align the new heating element with the handle cylinder and install it as shown in the figure.



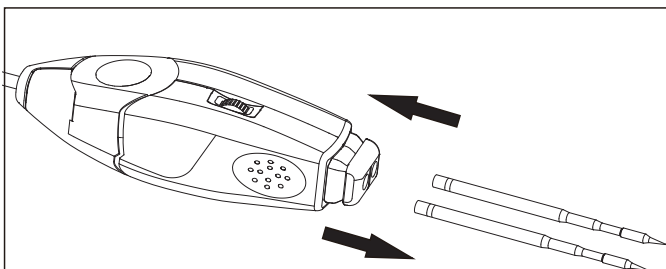
③ Select different hole positions according to the nozzle shape of the heating element and install the heating element in place along the direction indicated by the arrow.

④ As shown, replace the new heating core and reinstall the handle.

>>Reinstall<<



Replacement of Heating Element of Electric Tweezers



As shown in the figure, remove the heating element of electric tweezers along the indicated direction and replace it with a new heating element.

Handle parameters

Model	SP-202D	GT-X151	GT-Y151	GT-N080	GT-Y040 (Optional)	GT-B001
power	1300W	150W	150W	80W	40W	
Heating element model	HR-2102B	HS-5150N	T156-1.0I (Standard) T156 series	T40N-0.5IS (Standard) T40N Series	T40 series	
Soldering iron tip model		T151-0.8(Standard) T151-1.0(Standard) T151-1.3 (Standard) T151-1.6 (Standard) T151 Series				
Tip-to-ground impedance	$\leq 2\Omega$					
Tip-to-ground Voltage	$\leq 2\text{mV}$					
Wire length	120cm	114cm	94cm		115cm	
Dimensions	185 (L) x 40 (W) x 18 (H) mm	190x134x25mm	230x16x16mm	128x23x23mm	152x15x15mm	170x10x10mm
Product weight	$\approx 270\text{g}$	$\approx 288\text{g}$	$\approx 78\text{g}$	$\approx 90\text{g}$	$\approx 38\text{g}$	$\approx 25\text{g}$

Packaging Parameters

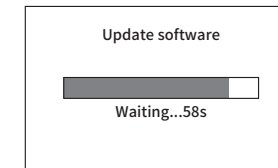
Model	Inner box package		Outer box package	
MS-1600	605x578x360mm	G.W: $\approx 18.6\text{KG}$	625x598x380mm (1Pcs / Carton)	G.W: $\approx 20.2\text{KG}$

04/ Product Introduction

Front

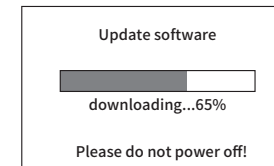


No.	Component Description
①	Display Screen
②	Push-button area
③	Wind gun handle interface
④	Soldering gun handle connector
⑤	Soldering gun handle air inlet
⑥	Pen suction handle interface
⑦	Air volume adjustment knob/Pen suction start button
⑧	Welding pen handle interface/tweezer handle interface
⑨	Welding pen handle interface/tweezer handle interface
⑩	Power switch
⑪	USB interface

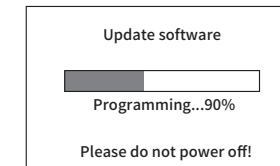


4. Insert the U disk into the machine to be upgraded, the machine will be upgraded and updated automatically, the upgrade program will be written, and the machine will be restarted automatically after the update is completed.

Upgrade and Update:



The upgrade program is written in:



Automatic restart after upgrade:



Note: During the software update process, do not disconnect the power supply to shut down the machine, otherwise it may cause damage to the machine.

08/Soldering iron seat introduction



① Tail seat support

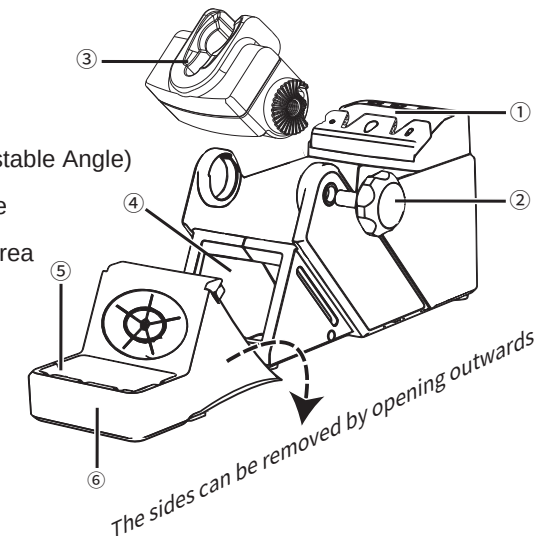
② Fixed knob (removable, adjustable Angle)

③ Holder for welding pen handle

④ Copper wire ball placement area

⑤ Clean the sponge area

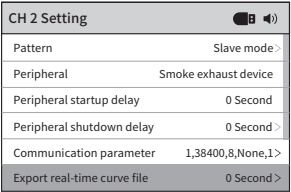
⑥ Removable silicone base



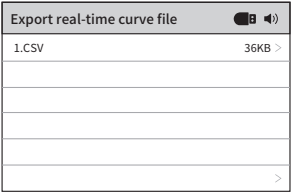
[Export Real-time Curve File]

Insert the U disk into the USB interface of the host panel, and the real-time curve information of the device can be exported to the U disk.

The U disk icon appears after the U disk is inserted



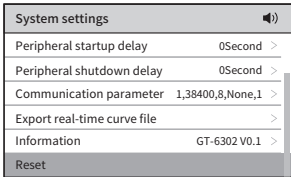
Press "OK" to confirm the export curve, and the export completion indicates that the export is successful.



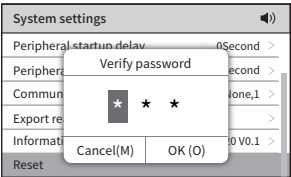
Short press " " or " " to select the curve to be exported.

[Reset]

Select Reset on the system settings page and enter the password to reset the system settings parameters.



OK

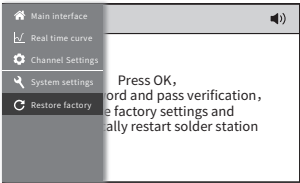


 Input value
 value
 Switch cursor
OK OK
MENU Cancel

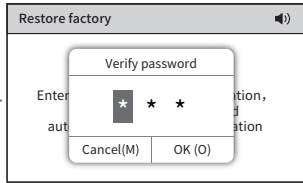
[Restore factory]

Restoring factory settings requires entering the correct password, and the machine will automatically restart and restore the factory settings.

(Please note that the language should remain at the current settings)



OK



 Input value
 value
 Switch cursor
OK OK
MENU Cancel

Update Software

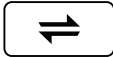
1. Obtain the upgrade software from the official website of www.atten.com or contact the manufacturer, and copy the upgrade software to the root directory of the U disk.
Note: Only one upgrade software can be placed on the U disk. Unplug all tools of the host before upgrading. The USB key file system must be FAT32.)
2. When the power of the machine is off, press and hold the " " " " " " and turn on the power switch at the same time to enter the software update prompt interface.

Back



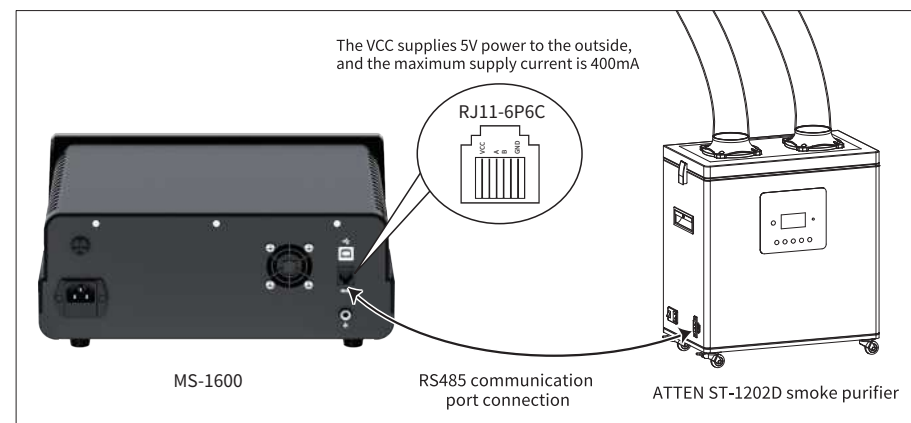
No.	Component Description
①	Power cinterface
②	Ground terminal
③	RS-485 interface
④	USB interface
⑤	Ground fuse holder

Keypad Function

Key	Function
	1. Tool Channel On/Off
	1. On the main interface, short press to switch between Tool 1 and Tool 2, and between Tool 3 and Tool 4; 2. On the curve page, short press to switch between Tool 1 and Tool 2, and between Tool 3 and Tool 4; 3. On the parameter settings page, switch the cursor; 4. On the tool settings page, short press to switch between Tool 1 and Tool 2, and between Tool 3 and Tool 4.
	1. Press briefly on the menu navigation bar to enter menu settings; 2. On the menu settings page, press briefly to toggle sound alerts and quick temperature groups on/off; 3. On the menu settings page, press briefly to enter parameter settings; 4. On the parameter settings page, press briefly to confirm and save parameters.
	1. Main interface, parameter settings page: Short press increases parameter value. 2. Navigation bar page, menu settings page: Short press scrolls up through options. 3. Main interface, quick temperature group enabled: Short press switches between quick temperature presets.
	1. In the main interface, briefly press to bring up the menu settings navigation bar; 2. On the menu settings page, briefly press to return to the main interface; 3. On the parameter settings page, briefly press to return to the previous level.
	1. Main interface, parameter settings page, press to decrease parameter value. 2. Navigation bar page, menu settings page, Short press to scroll down through options. 3. Main interface: When quick temperature groups are enabled, short press to switch between quick temperature settings.

[RS485 Communication Host Mode]

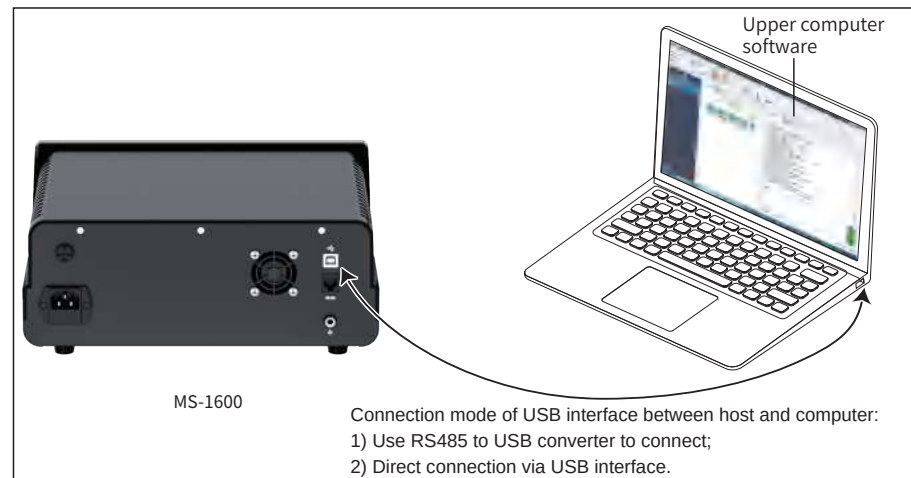
The connection is as follows:



Note: When the peripheral is turned on, only when the maintenance system mode is set to the host mode, and the address code of the two machines is consistent, it can be used with the smoke purifier of Antaixun.

[RS485 Communication Slave Mode]

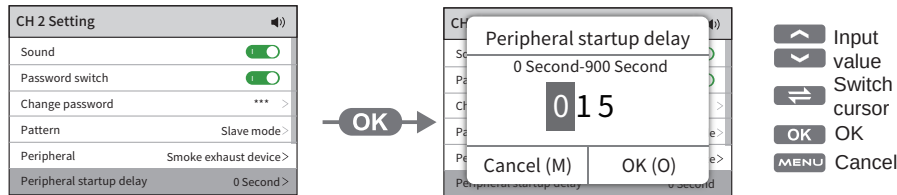
1. Set the welding table mode to the slave mode;
2. The following figure uses the RS485 to USB converter to connect the RS485 interface of the product with the USB interface of the computer side; Or use USB cable to connect the USB port of the product with the USB of the computer
3. The computer side uses the host computer software to command and control the maintenance system.



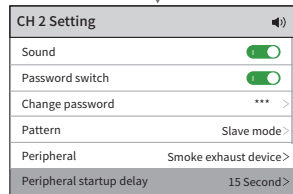
Please log in to the official website of "www.atten.com" or contact the manufacturer to download the corresponding drivers, DEMO software, and communication protocol documents

[Peripheral Startup Delay]

Select the peripheral boot delay function under the system Settings page, and press the "OK" button to enter the peripheral boot delay parameter Settings.
(Factory default 0 seconds, can be set range :0~900 seconds)



(Right) The current machine is in host mode, and the boot delay of peripherals has been set, which can be connected through RS485 communication. The controlled device will start after the host is started, according to the set delay time of "15S".

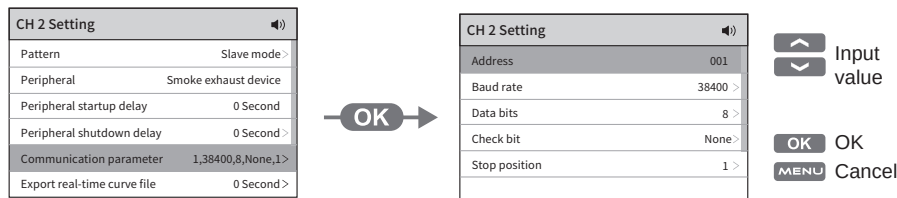


[Peripheral shutdown delay]

In the system Settings page, you can choose the peripheral shutdown delay function.
(Note: This feature is not available yet)

[Communication parameter]

Select the communication parameters function under the system Settings page to set the communication parameters.



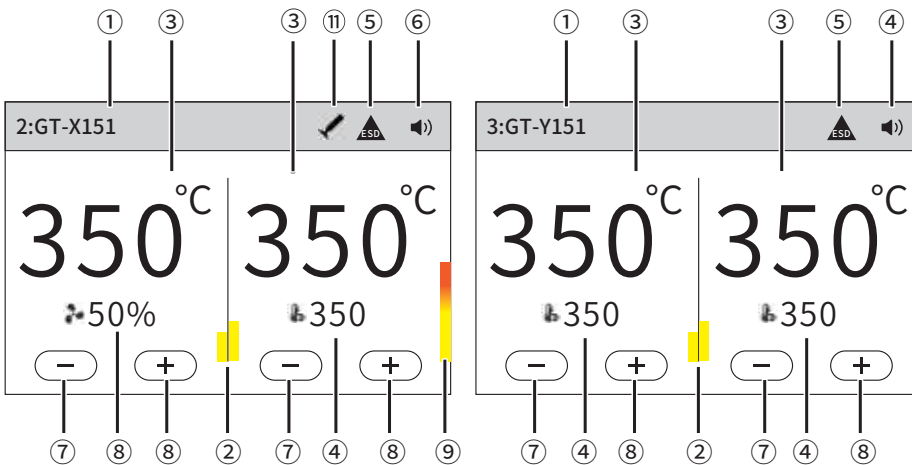
The range can be set :1~255.

05/ Complete Unit Connection

To ensure proper operation of the standby function, connect the main unit to the "IN" port at the rear of the soldering iron holder, and connect the handle to the "OUT" port at the rear of the soldering iron holder.



06/ Main Interface Introduction



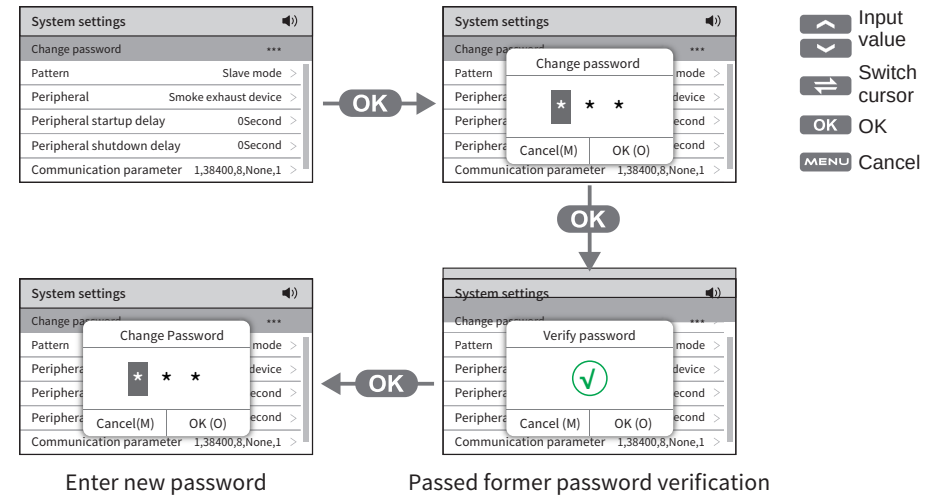
The left screen displays parameters for Channel 1 and Channel 2 (GT-X151 can only connect to Channel 2)

The right screen displays parameters for Channel 3 and Channel 4.

No.	Display Description
①	Access Tool Model
②	Heating Simulation Bar: Displays the current working heating power intensity level Heating Simulation Bar: Displays the current operating heating power intensity
③	Current Temperature Display
④	Set Temperature Display
⑤	This icon flashes when the machine is not grounded. This icon does not appear when the machine is grounded.
⑥	Display icon when notification sound is enabled / Do not display icon when notification sound is disabled
⑦	Temperature “-” icon
⑧	Temperature “+” icon
⑨	Tin blocking (The filter or filter cotton hardened and blocked the tin strip due to the accumulation of solder and flux Do not lose the need to replace the filter or filter cotton)
⑩	Air gun air volume
⑪	Pen-suction startup display

[Change Password]

Select Change Password on the system settings page, short press OK to enter the former password verification, and then you can change the new password. (The initial password is 000)

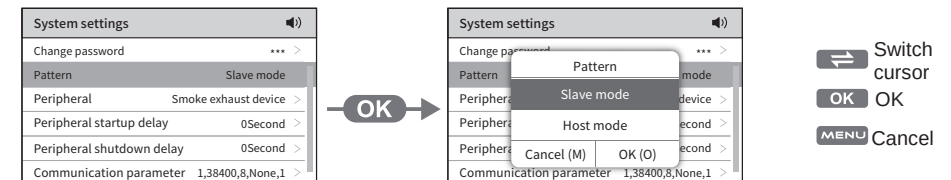


Enter new password

Passed former password verification

[Slave Host Mode]

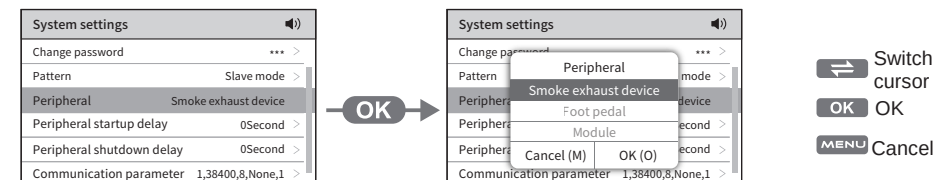
Select the mode function on the system settings page to set the host or slave mode. (It is connected through RS485 communication interface. Please refer to page 20)



Slave mode	External devices control the electrical welding table through RS485 communication.
Host mode	The electrical welding table controls external devices through RS485 communication.

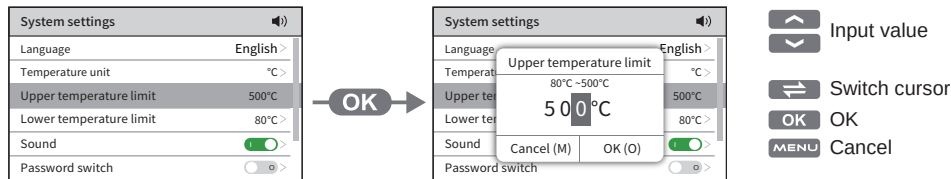
[Peripheral]

Select the peripheral function on the system settings page to set the peripheral type .



[Upper/Lower temperature limit]

After selecting the upper and lower temperature limits on the system settings interface, it can set the parameters for the upper and lower temperature limits.

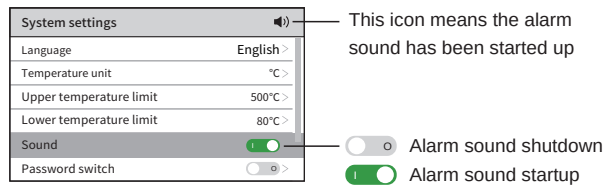


Note: The upper and lower temperature limits can limit the maximum and minimum ranges of machine temperature settings.
(The soldering iron handle factory default upper temperature limit is 500 °C 932 °F, the lower temperature limit is 80 °C 176 °F, and the adjustable range is 80 °C to 500 °C 176 °F to 932 °F)

[Sound]

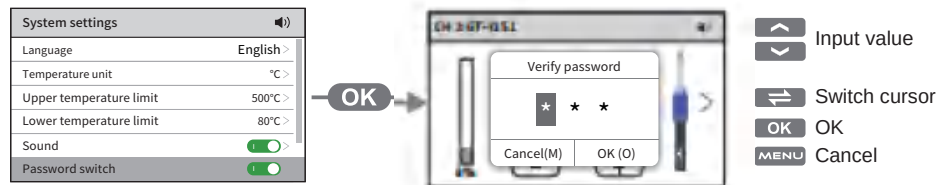
Select the alarm sound function on the system settings page and short press OK to turn on and off the alarm sound of the machine.

Note: After the alarm sound is activated and the current temperature has not reached the set value, the machine will emit a regular alarm sound.



[Password switch]

Select the password switch on the system settings page, short press OK to turn on and off the password switch.



When the password switch is turned on, it requires entering the machine password when entering the menu interface.

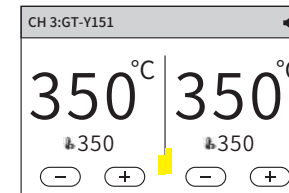
Power on display

After powering on the machine, turn on the power switch. The screen displays the ATTEN startup screen for 2 seconds before entering the main interface.

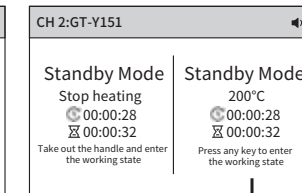


Working status

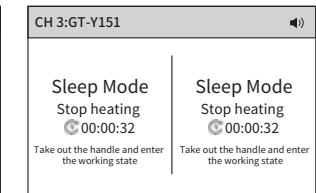
Normal work: :



Standby Mode:



Sleep Mode:



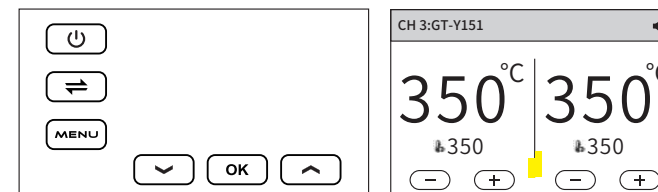
When using a solder sucker

Normal work:	The device enters operational mode, displaying a current temperature reading of 350°C.
Standby Mode	When the soldering iron handle is placed on the stand without any operation, it defaults to standby mode immediately upon leaving the factory. When the screen displays standby status, the handle temperature decreases to 200°C heating output. Note: Factory default is 200°C. Standby temperature can be set via the menu. Displays real-time temperature. Picking up the handle resumes normal operation. When the hot air gun is in standby mode, heating and fan are turned off, and there is no standby temperature. To use the soldering iron handle standby function, connect the soldering iron stand cable to the corresponding port on the main unit. (Connection method: Page 8)
Sleep Mode	Tool 1 heating function is off. The handle heating element does not heat up. The tool enters sleep mode. Remove the handle from the soldering iron stand to resume operation. Note: After the standby function is enabled, the factory default is 15 minutes to enter the sleep, the menu Settings can be customized sleep time and sleep function off. The air gun has no sleep mode.

Temperature value adjustment

In the main interface, press " ^ " or " v " button of the machine panel to adjust the temperature value in step unit of 1°C, long press to adjust the temperature value quickly, stop the button for 3 seconds and then automatically save the temperature setting.

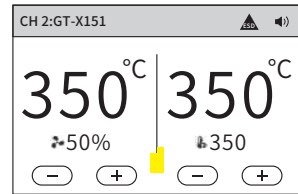
(The temperature value is not adjustable when the temperature is locked and turned on)



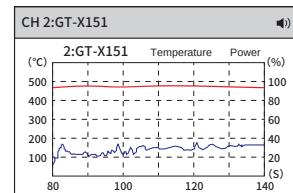
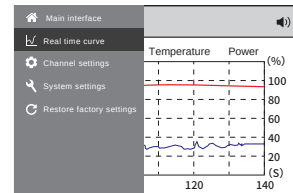
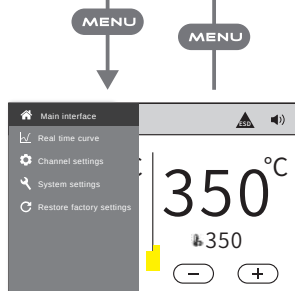
Note: Press " ⇌ " button to switch tool 1 and tool 2, tool 3 and tool 4.

07/ Function Introduction

Main interface

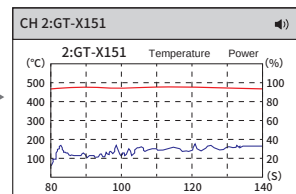
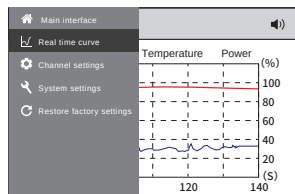


In the main interface, press the "MENU" button to enter the menu page. You can choose Main interface, Real time curve, Channel settings, System settings and Restore factory settings (as shown).



Real time curve

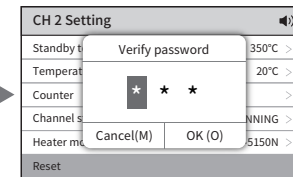
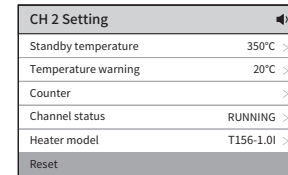
The curve working interface can view the temperature and power curve of the current tool, and the "⇌" key can switch the tool curve display.



⇌ Switch cursor
MENU Cancel

[Reset]

After selecting the reset function under the channel settings interface, it can reset the current channel settings page by entering the machine password.

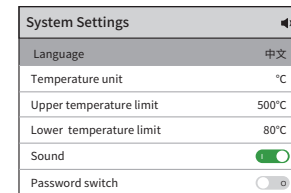


⇌ Input value
⇌ Switch cursor
OK OK
MENU Cancel

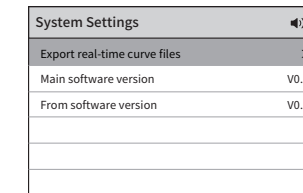
System Settings

System Settings can be set Language, Temperature unit, Upper temperature limit, Lower temperature limit, Sound, password switch, Change password, Pattern, Peripheral, Peripheral startup delay, Peripheral shutdown delay, Communication parameters, Export real-time curve files, Information, Reset.

Display 1:



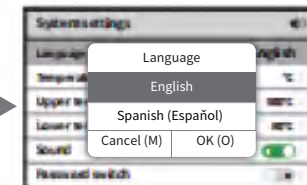
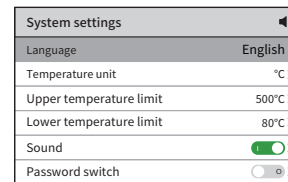
Display 2:



Note: display 2 cannot adjust the system Settings.

[Language]

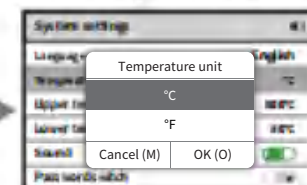
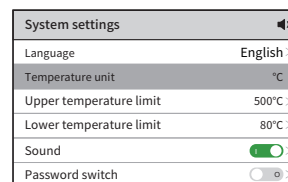
After selecting the language function in the system settings interface, it can set the machine language.



⇌ Input value
OK OK
MENU Cancel

[Temperature unit]

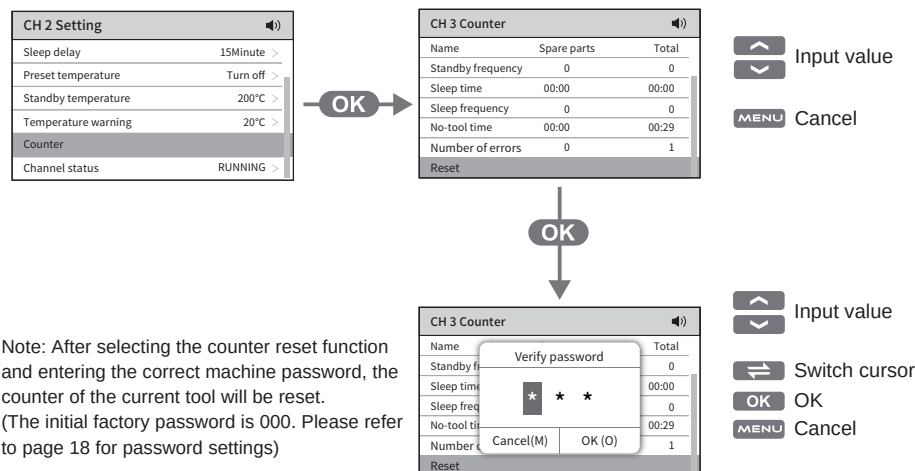
After selecting the temperature unit on the system settings interface, it can set the temperature unit.



⇌ Switch cursor
OK OK
MENU Cancel

[Counter]

Under channel settings interface, it can view current tool information by selecting counter.



Note: After selecting the counter reset function and entering the correct machine password, the counter of the current tool will be reset. (The initial factory password is 000. Please refer to page 18 for password settings)

[Channel status]

Display tool real-time status information.

CH 2 Setting	
Sleep delay	15Minute >
Preset temperature	Turn off >
Standby temperature	200°C >
Temperature warning	20°C >
Counter	>
Channel status	RUNNING >

[Heater model]

Display tool heating core model.

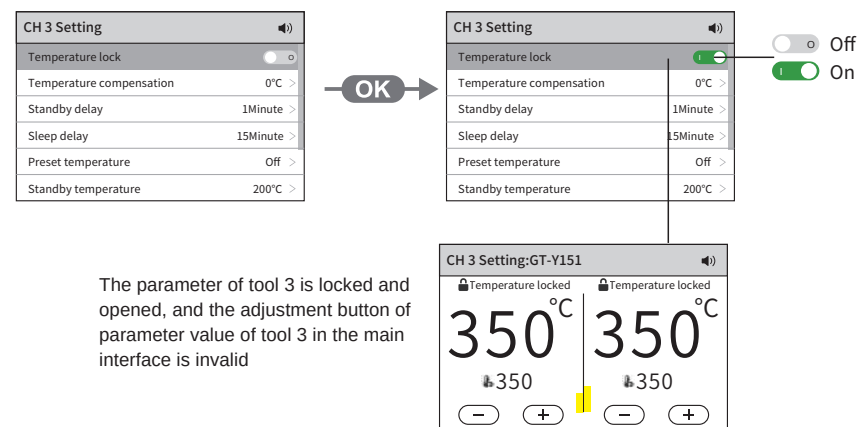
CH 2 Setting	
Standby temperature	350°C >
Temperature warning	20°C >
Counter	>
Channel status	RUNNING >
Heater model	T156-1.0I >
Reset	>

Channel settings

Channel settings can be set Temperature lock, Temperature compensation, Standby delay, Sleep delay, Preset temperature, Standby temperature, Temperature warning, Counter, Channel status, Heater model, Reset function.

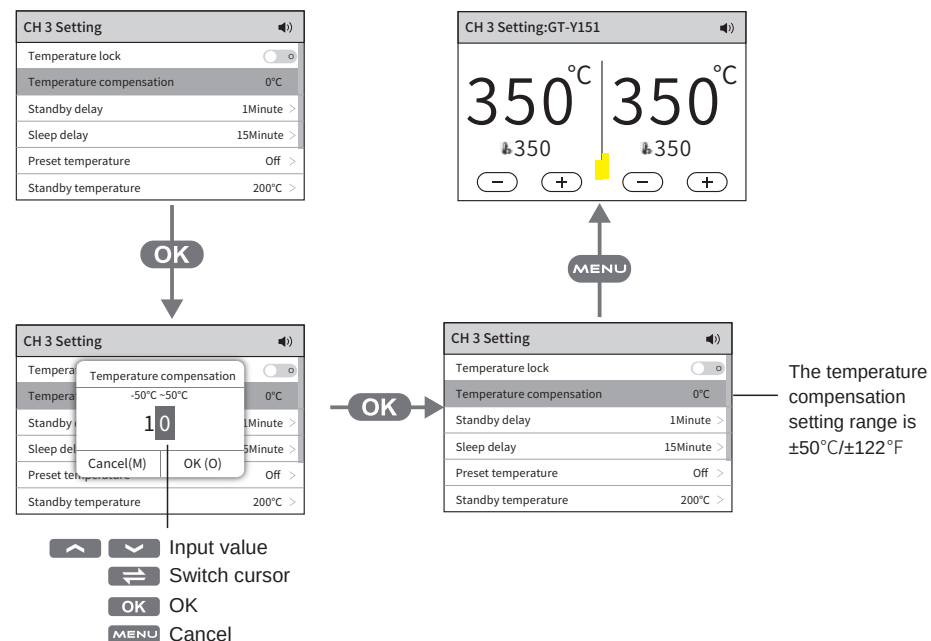
Under the tool setting interface, press " ^ " or " v " button to switch the cursor, " ⇌ " button to switch the parameter Settings of tool 1 and tool 2 (tool 3 and tool 4 parameter Settings), and " MENU " button can return to the main interface.

[Temperature lock]



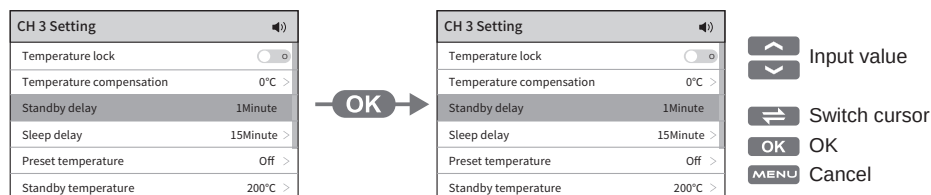
The parameter of tool 3 is locked and opened, and the adjustment button of parameter value of tool 3 in the main interface is invalid

[Temperature compensation]

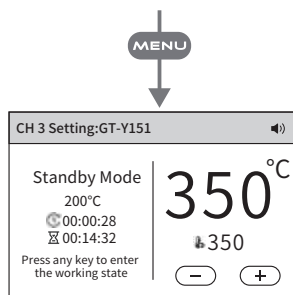


[Standby delay]

Select the standby delay function under the tool Settings to set the standby delay parameters. (1~60 minutes adjustable, can be closed)

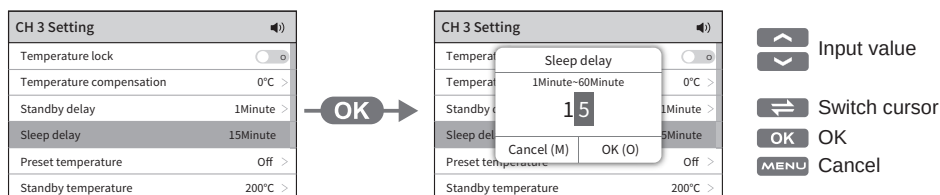


Note: After the connecting line of the soldering iron seat is connected to the interface of the host computer, place the handle on the soldering iron seat without any operation, and the machine enters the standby state according to the set standby time. The temperature of the soldering iron drops to 200°C and the output is heated, and the handle is picked up again to resume normal work.

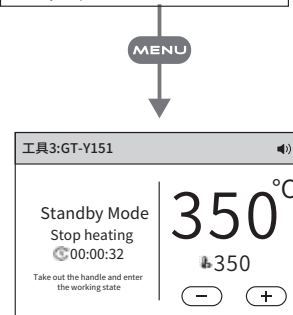


[Sleep delay]

Select the sleep delay function under the tool Settings to set the sleep delay parameter. (1~60 minutes adjustable, the factory default 15 minutes)



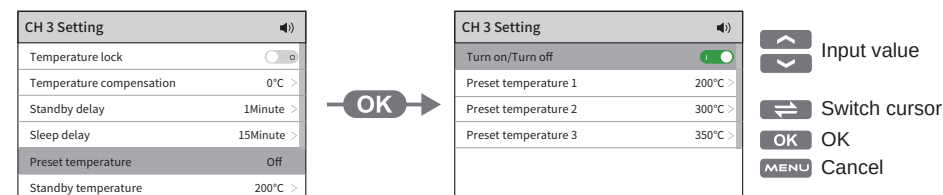
Note: When entering the sleep mode, the screen shows the sleep state, the heating function is closed, the handle heating core is not heated, and the handle is removed from the soldering iron seat to resume work.



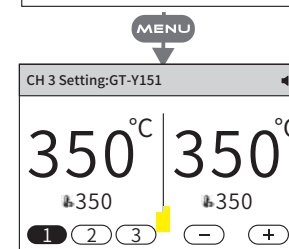
[Preset temperature]

After opening the shortcut parameter group function, you can customize three groups of shortcut temperature.

- Air gun factory (default) : [1] :00°C/50%/392°F, [2] :300°C/50%/572°F, [3] 400°C/50%/752°F
- Tin suction gun (default) [1] :350°C/392°F, [2] :400°C/752°F, [3] 450°C/842°F
- Soldering iron (default) [1] : 200°C/392°F, [2] : 350°C/662°F, [3] : 400°C/752°F

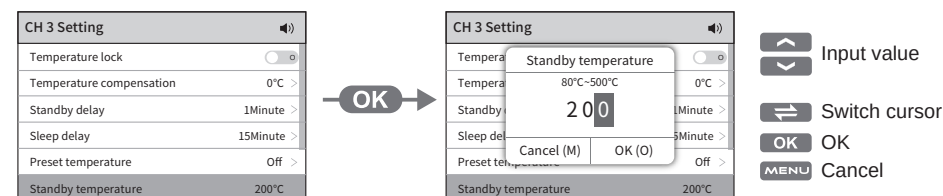


The main interface displays three groups of quick temperature. Press "▲" or "▼" button to switch the quick temperature. The adjustment of temperature value plus or minus parameters is invalid (you can close the quick temperature setting or customize the temperature parameters).



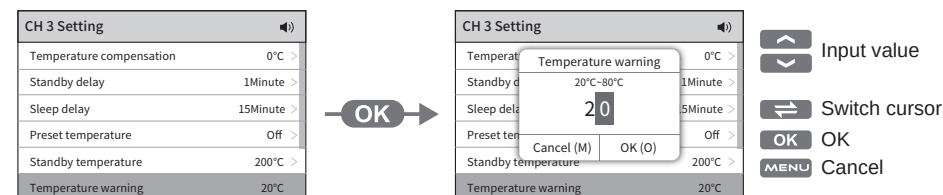
[Standby temperature]

Select the standby temperature function under the tool Settings to set the standby temperature parameters. (Soldering iron handle 80°C~500°C/176°F~932°F adjustable factory default: 200°C/392°F)



[Temperature warning]

Select the temperature warning function under the tool Settings to set the temperature warning parameters. (20°C~80°C/68°F~176°F adjustable, factory default 20°C/68°F)



Note: When the temperature does not reach the set temperature warning value, the machine will emit a regular beeping sound after the sound function is turned on.(Ringing Function Settings → page 17)