NETWORK HIGH FREQUENCY SOLDERING STATION MANUAL

Thank you for using this product, please read the instructions carefully before use to avoid errors in your operation.
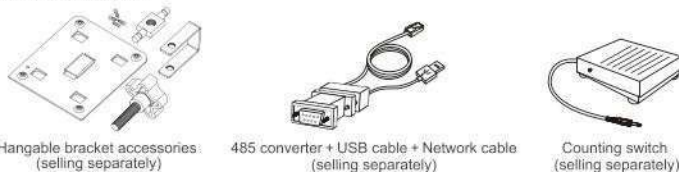
❶ Remark:
The "warning" and "note" in the specification are defined as follows:
Warning: wrong operation shall result in death or serious injury.
Note: wrong operation shall result in damage to the users or the objects.

- ◌ Do not modify the soldering iron and replace parts. It is recommended to use the original original.
- ◌ Do not get wet of this product. Do not use or disassemble the product when it is wet. Do not pull the power cord at will.
- ◌ It will be smoke when soldering, it is recommended to work in a well ventilated environment, or with a small fan.
- ◆ When using this product, do not do anything that harms the body or damages the object.
- ◌ This product should be stored or stored in a place where children are not easily accessible or have adult supervision.

Note: this product is the speed of temperature rise is efficient, connecting handle, do not touch welding head, in order to avoid scald.

Packing List

Network high frequency soldering station host . . .1	Sponge 1
Handle. 1	Power cord 1
Stand 1	Ground lead (1.5m) 1

Network high frequency soldering station host — Handle — Stand — Sponge — Power cord — Ground lead (1.5m)

Optional accessories

Hangable bracket accessories (selling separately) — 485 converter + USB cable + Network cable (selling separately) — Counting switch (selling separately)

Feature

- This product is convenient and efficient to use, and can be connected to the computer to monitor temperature changes and working status in real time, and record the production volume.
- Simple operation and powerful function. One computer can connect multiple soldering stations at the same time, and record and save daily work data.
- The host displays the set temperature and monitors the dynamic temperature change in real time to avoid improper soldering and loosel soldering.
- The host display is available in both Chinese and English, and is suitable for different countries.
- The display content is automatically flipped depending on the hanging angle to ensure that the display content remains horizontal.
- Back to set temperature extremly fast. It can be arbitrarily hanging in different work stations and assembly line to save work space.
- Temperature compensation function, when there is an error between the actual temperature of the soldering tip and the set temperature, only input the supplementary value, the compensation range is ±50℃, and the soldering station will correct the temperature of the soldering tip.
- With sleep function to save energy, can be set to sleep for 1~15 minutes when it is free, the soldering station will automatically cool down to 50℃, when the soldering iron is picked up again, the temperature will quickly rise back to the original set temperature.
- The handle tip has an automatic tightening function to ensure a very accurate temperature.
- With the CXG-T193USB to automatically correct the temperature.
- Password management system to prevent others from changing the function settings.
- Three power options are 100W, 200W, and 300W, which are suitable for different work demands.
  Temperature range: 50℃~500℃   Voltage: 220V/50HZ 110V/60HZ

Equipped with table

Name	WL100W	WL200W	WL300W
Power	100W	200W	300W
Iron tip	G1	G2	G2
Exothermic material core	A1410	A1420	A1425
High temperature set of head	GP1	GP2	GP2
Temperature range	50℃~500℃	50℃~500℃	50℃~500℃
Handle model	WL10	WL20	WL30

Precautions

In view of the potential for burns and fires caused by improper use, please strictly observe the following:

- ◌ Please avoid the improper use of this product, you should use this product according to the instructions.
- ◌ Do not touch the metal part near the high temperature soldering tip.
- ◌ Do not use the soldering tip near flammable or explosive materials.
- ◌ Please inform the surrounding people that the soldering nozzle is prone to burns and may cause a dangerous accident. When the rest is not in use or when the product is not in use, the power cord should be unplugged.
- ◌ When replacing the tip, the power should be turned off and wait for the tip to cool before it can be replaced.
- ◌ When the product is damaged, it is strictly forbidden to use, especially in the case that the power cord is damaged.
- ◌ This product uses a three-wire grounding plug and must be plug into a three-hole socket. Do not change the plug or use an grounding plug adapter to make the grounding contact poor. If you need to lengthen the cable, use a grounded three-wire power cord.
- ◌ Do not use the soldering tip for work other than soldering.
- ◌ Do not hit the soldering iron on the workbench to remove residual tin slag from the soldering tip, which will seriously damage the soldering iron.

About soldering station

Within the normal display screen for machine put Angle to rotate 360 degrees.In want to normal display rotation operation, please put the machine in the 180 degrees of rotation.
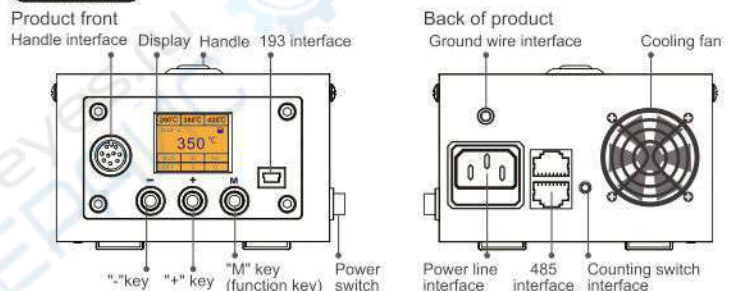Bracket accessories: Suspension must use an optional bracket accessory.

Rotating

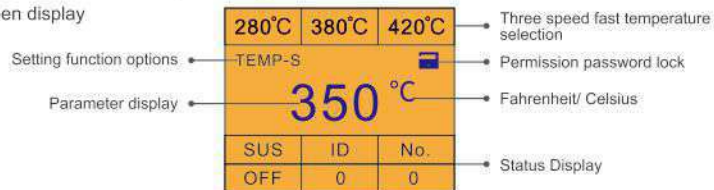## Chinese and English display switching

The display has two display modes, full Chinese and full English, which can be switched and displayed.
Switch settings: In the off state, press and hold the function M button to turn on the power switch, you can switch between the Chinese and English regarding the host display.


Chinese and English display switching

Part Name

Product front

Handle interface   Display   Handle   193 interface

"-"key   "+" key   "M" key (function key)   Power switch

Back of product

Ground wire interface   Cooling fan

Power line interface   485 interface   Counting switch interface

Screen display

Setting function options — Three speed fast temperature selection
Permission password lock
Parameter display — Fahrenheit/ Celsius
SUS   ID   No.
Status Display

Functional operation guide

Set temperature

The temperature range is from 50℃ to 500℃.
Set the temperature: press and hold the M key to enter the setting function option ("Function option" will turn white), the default preference function is temperature (TEMP-S), and then press the M key to confirm the temperature parameter setting (the temperature parameter display blue box), Press the "+" or "-" key to set the temperature value, press the M key to confirm and move to the next temperature parameter setting (from hundred to one place in sequence), the temperature parameter setting is completed, press the M key to confirm the saving and exit.
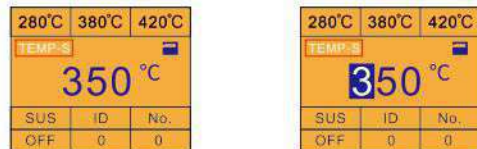
Three speed fast temperature selection

Press and hold the + button to enter the fixed temperature file, and then press the "+" or "-" button to switch the temperature file. Long press once to jump one gear. The temperature value of the temperature file is not adjustable, which is convenient for quick selection.
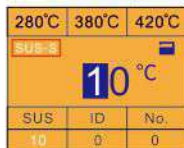

Set sleep

The time to enter the sleep state set is to 1~15 minutes.
Set the sleep time: long press the M key to enter the setting function option ("Function option" will turn white), press the "+" or "-" key to switch the setting function option to sleep (SUS-S), then press the M key to confirm the sleep time Set (time parameter display blue box), press "+" or "-" button to set the time value, press M key to confirm and move to the next time parameter setting, sleep time parameter setting is completed, press M key to confirm saving and exit.

Turn off sleep: Set the sleep time to 00 minutes.
Note: If it is not used within the set sleep time, it will automatically enter the sleep state (showing sleep standby), the temperature will automatically drop to 50 ℃; If you want to use, tap the handle iron tip, it will automatically release the sleep, the temperature will quickly rise back to the original Set temperature.

280℃	380℃	420℃
SUS-S		
	350 ℃	
SUS	ID	No.
OFF	0	0

280℃	380℃	420℃
SUS-S		
	10 ℃	
10	0	0

Set the complement

When there is an error between the actual temperature of the soldering iron tip and the set temperature, the supplementary value can be set to keep the actual temperature consistent with the set temperature, and the complementary temperature range is ±50℃.

Set the compensation value: long press the M key to enter the setting function option ("Function option" will turn white), press the "+" or "-" key to switch the setting function option to the supplementary value set (VAL-FILLS), and then press the M key to confirm the entry of Value setting (parameter display blue box), press "+" or "-" key to set the value, press M key to confirm the and move to the next parameter setting, when supplementary value set is completed, press M key to save and exit.
Delete the complement: Set the complement parameter to ±00℃.

280℃	380℃	420℃
VAL-FILLS		
	350 ℃	
SUS	ID	No.
OFF	0	0

| 280℃	380℃	420℃
VAL-FILLS		
	+10 ℃	
SUS	ID	No.
OFF	0	0
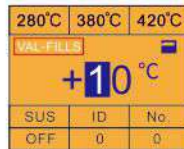
Set the temperature difference

When there is temperature differences, the actual temperature of the soldering iron nozzle and the set temperature differences reach the set temperature difference value, the temperature difference warning will sound, and the temperature difference ranges from 10℃ to 40℃.

Set the temperature difference: long press the M key to enter the setting function option ("Function option" will turn white), press the "+" or "-" key to switch the setting function option to temperature difference set (TEMP DIFF-S), then press the M key to confirm the temperature difference setting (The temperature difference parameter displays the blue box). Press the "+" or "-" button to set the temperature difference value. After the temperature difference parameter setting is completed. Press the M key to save and exit.
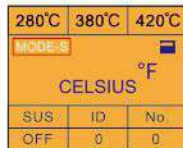Delete the temperature difference: set the temperature difference parameter to 00 ℃.

280℃	380℃	420℃
TEMP DIFF-S		
	350 ℃	
SUS	ID	No.
OFF	0	0

280℃	380℃	420℃
TEMP DIFF-S		
	00 ℃	
SUS	ID	No.
OFF	0	0
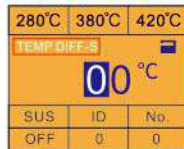
Setting mode

Fahrenheit (°F) and Celsius (°C) switch display settings.
Setting mode: Press and hold the M key to enter the setting function option ("Function option" will turn white), press the "+" or "-" key to switch the setting function option to mode (MODE-S) , and then press the M key to confirm the entering mode setting. Press the "+" key to set the Fahrenheit ("F), press the "-" key to set the Celsius (℃), the setting is completed, press the M key to save and exit.

280℃	380℃	420℃
MODE-S		
	CELSIUS	°F
SUS	ID	No.
OFF	0	0

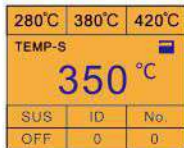| 280℃	380℃	420℃
MODE-S		
	FAHRENHIT	°C
SUS	ID	No.
OFF	0	0

Set permissions

Set permissions: long press the M key to enter the setting function option ("Function option" will turn white), press the "+" or "-" key to switch the setting function option to permission (PMS-S) , and then press the M key to confirm the access permission setting (The parameter displays the blue box), press the "+" or "-" button to set the permission value, press the M button to confirm and move to the next permission parameter setting (from hundred to one in sequence), after the permission parameter setting is completed, press The M key is determined to save and exit (the password is valid after rebooting).
Note: When the password permission is set, the default lock is red and the have to input password to unlock it.

280℃	380℃	420℃
PMS-S		
	350 ℃	
SUS	ID	No.
OFF	0	0

280℃	380℃	420℃
PMS-S		
	000 ℃	
SUS	ID	No.
OFF	0	0

280℃	380℃	420℃
TEMP-S		
	350 ℃	
SUS	ID	No.
OFF	0	0

Unlock permission: press M key, the screen prompts: enter password (INPUT P***) , then press M key to confirm entering the unlock password parameter input, press "+" or "-" key to enter the value, press M key to confirm the move to the next permission parameter Input (from hundred to one place in sequence), the unlock password input is completed, press M to confirm the unlock permission.

280℃	380℃	420℃
INPUT P. * * *		
	350 ℃	
SUS	ID	No.
OFF	0	0

280℃	380℃	420℃
INPUT P 1 1 1		
	350 ℃	
SUS	ID	No.
OFF	0	0

280℃	380℃	420℃
TEMP-S		
	350 ℃	
SUS	ID	No.
OFF	0	0

Delete password permission: Set the password permission parameter to 000 (if you forget the password during use, you can restore the factory settings).

Factory seting reset

In the shutdown state, press and hold the "+" button and the "M" button at the same time, turn on the power switch, then release the "+" button and the "M" button to complete the factory reset.

Note⚠

After replacing the handle or replacing the heater, the screen display handle is wrong and cannot be used normally. Pairing settings are required.
Pairing setting: In the off state, press and hold the - button and M button at the same time, turn on the power switch, and wait until the screen is displayed normally and then release, then the pairing set is successful.
Note: When pairing set, ensure that the temperature of the heating core and the handle is normal temperature, and should not be too high, otherwise the effect will be reversed.
(Normal temperature definition: no high temperature use, if high temperature use, please reduce the temperature of the object to the normal natural temperature of the object.)

Connection operation
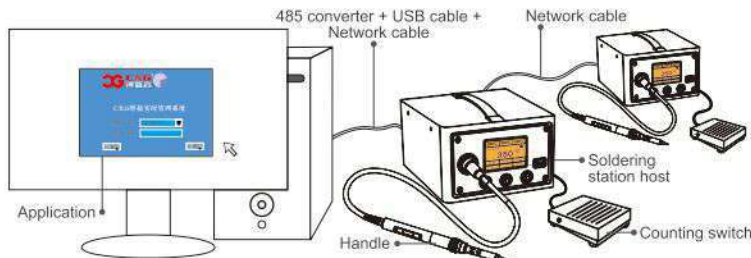
One computer can be connected to multiple soldering stations to monitor or control the soldering station lively, checking the working status and recording the production volume.
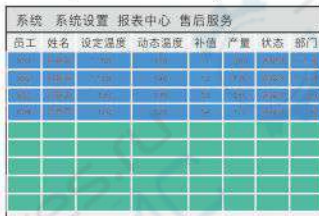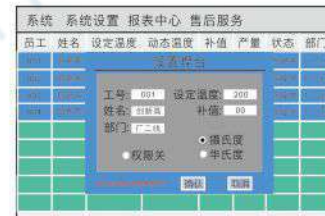
Software operation

(Login interface)   (New soldering station window)

Unzip the package, open the folder, click the application icon, login interface, account login.
1.Menu - System - Initialize.
2.Menu - System - Add soldering station.

(Working interface)   (Set the soldering station window)

Modify the soldering station parameters: Double-click the registered soldering station or menu in the interface - System - Modify the soldering station.

Note⚠

Permission Off: if set the permission off, then the computer can operate the settings and the soldering station cannot operate the settings.

Initialization: Restore to the original or default value.

Work off: Select to work off to save data.

If the soldering station connection computer has been registered or deleted, the soldering station should be restored to the factory settings firstly then the soldering station can be re-added. Otherwise, it will be invalid.

Celsius must be selected when modifying the parameters of the soldering station.

One soldering station can add only one employee number

Iron Tip maintenance and use

A.Welding nozzle using

Too high temperature will weaken the welding nozzle function, so choose the temperature as low as possible. The welding nozzle of restoring force is good, even under the low temperature it can also fully complete the welding work. Whar is more, it can protect temperature sensitive elements.

B.Welding nozzle cleaning

Should periodically clean the weld nozzle with the cleaning sponge (or with a cleaning wet cloth). Because after welding, the residual slag will produce oxide and carbide which can damage the welding nozzle or cause welding error or make the heat conduction of welding nozzle weaker. Long time continuously using welding nozzle, once a week the welding nozzle should be taken apart to clean the residual slag on the surface,so to prevent welding nozzle damaged and reduce temperature.

C.Do not use welding nozzle

When do not use welding nozzle, do not let welding nozzle in high temperature condition for long time. Or you will make the flux of welding nozzle on change to oxide, which will make the heat conduction of welding nozzle weaker.

D.After use welding nozzle

After the use, should wipe clean the welding nozzle and plate new tin layer on it to prevent the welding nozzle from oxidation.

E.Welding nozzle maintain

Check and clean the welding nozzle:
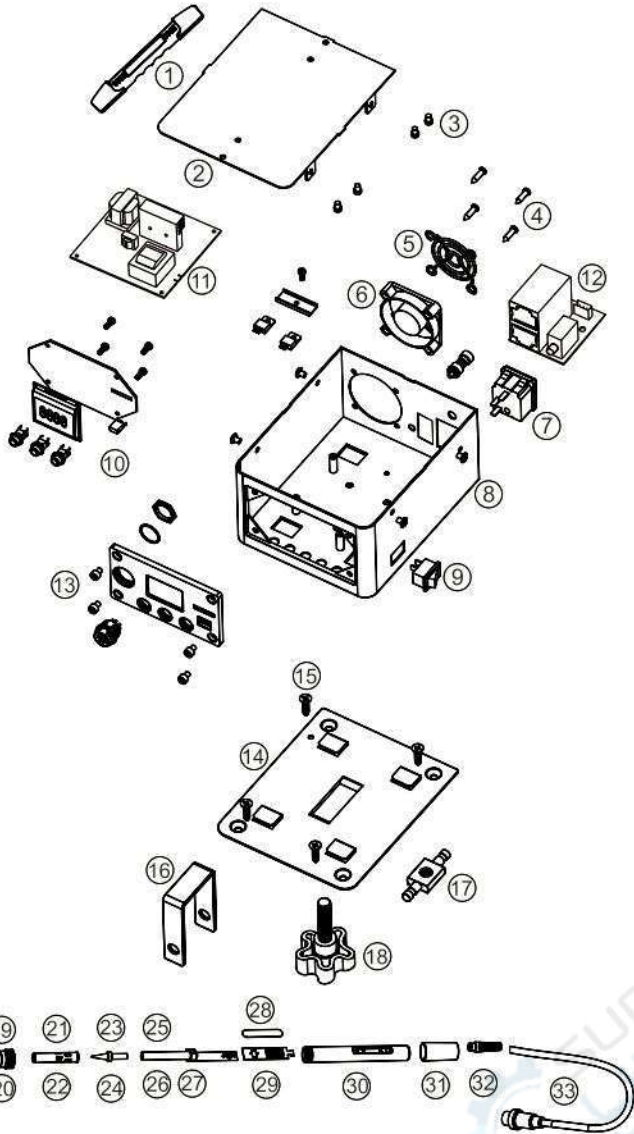Note: do not file the oxide on welding nozzle with rasper!
1.The setting temperature at 250℃.
2.After the temperature stability, clean the welding nozzle with cleaning sponge, and check it.
3.If welding nozzle on tin part contains black oxide, plate a new tin layer on the welding nozzle, then use cleaning sponge to wipe welding nozzle. So repetitive operation to remove the oxide and then platie a new tin layer on the welding nozzle.
4.If welding nozzle becomes deformation or serious erosion, must replace the welding nozzle with a new one (Suggest using the original nozzle).

F.Extend the welding nozzle life

1.After each finish the welding work, plate a new tin layer on the welding nozzle to prevent welding nozzle from oxidation and extend the using life.
2.Under the condition of normal working please set the temperature as low as possible. Low temperature can reduce welding nozzle oxidation, as well as can easily to weld components.
3.Only in necessary condition to use thin welding nozzle, because of the thin welding nozzle less durable than the coarse one.
4.Don't use welding nozzle as detection tools, because welding nozzle bending will make coating rupture and shorten its service life.
5.Use less active rosin flux, because the high content of active rosin will accelerate welding nozzle coating corrosion.
6.When not using welding nozzle, please turn off it's power as far as possible to prolong its service life.
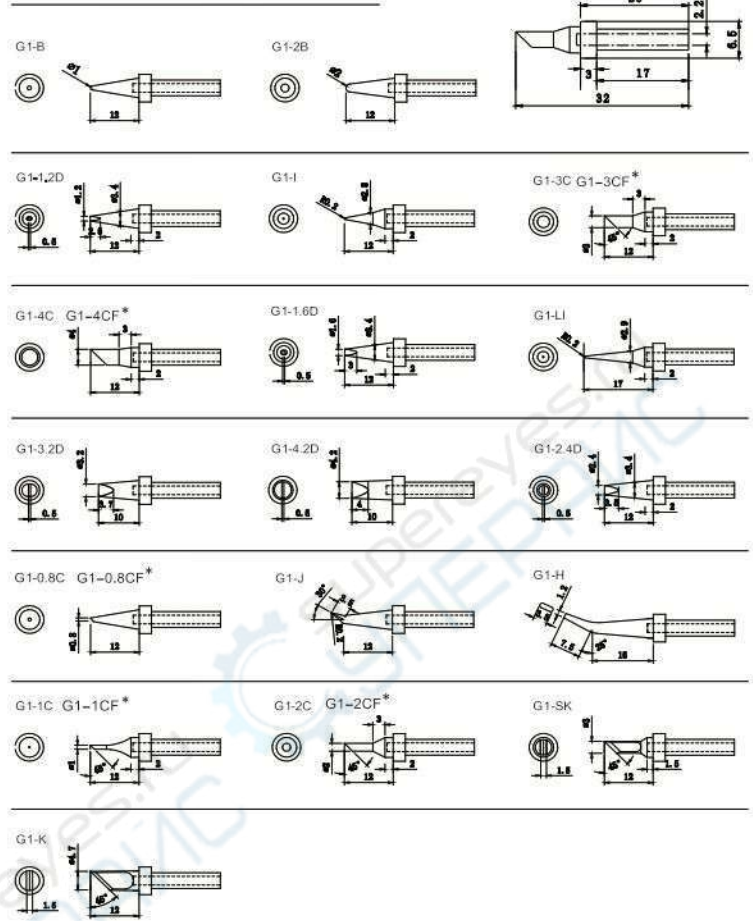7.Don't butt welding nozzle with great heavy stress, because that is not equal to faster heat.

G1 Free-lead soldering tip series

G1-B G1-2B

G1-1.2D G1-I G1-3C G1-3CF*

G1-4C G1-4CF* G1-1.6D G1-LI

G1-3.2D G1-4.2D G1-2.4D

G1-0.8C G1-0.8CF* G1-J G1-H

G1-1C G1-1CF* G1-2C G1-2CF* G1-SK

G1-K

*Painting tinning on the bevel part

G2 Free-lead soldering tip series

G2-B

G2-2B G2-5C

G2-2C G2-6C

G2-3C G2-8C

G2-4C G2-1.6D

G2-2.4D G2-3.2D

G2-5D G2-8D

G2-K

Item No.	Part NO.	Part Name
①	SSJ00093	Portable belt
②	WWJ00131	Upper enclosure
③	SLS00027	Screw PA4*6mm
④	SLS00031	Screw PA4*16mm
⑤	WZJ00003	The fan support network
⑥	DDJ00004	The micro cooling fan
⑦	DCZ00011	Word power socket
⑧	WWJ00132	Lower enclosure
⑨	DKG00002	Power switch
⑩		PCB control panel
⑪		PCB power control panel
⑫		PCB RJ45-2 panel
⑬	WMB00002	Aluminum alloy wire drawing panel
⑭	WMB00003	Suspension fixed plate
⑮	WLS00035	Screw PM4.5*5mm
⑯	WZJ00061	Fixed plate bracket
⑰	WWJ00061	Fixed bolt
⑱	WLM00018	Fixed adjusting nut
⑲	ZTT00001	GP1 High temperature set of head
⑳	ZTT00002	GP2 High temperature set of head
㉑	WGL00011	Welding head protective casing
㉒	WGL00013	Welding head protective casing
㉓		G1 Free-lead soldering tip series
㉔		G2 Free-lead soldering tip series
㉕	CFR00016	High-frequency heater A1410
㉖	CFR00018	High-frequency heater A1420
㉗	CFR00019	High-frequency heater A1425
㉘		Panel patch
㉙		Handle PCB
㉚		The handle shell
㉛		Handle silicone sheath
㉜	SSJ00023	Fixed line set
㉝	DXC00022	Handle the silicone line