X-TRONIC USA

Soldering Technology Professionals Can Trust

8020-XTS

Instructions

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PACKAGE CONTENTS

- 1 – X-Tronic #8020-XTS Main Unit
- 1 – X-Tronic Soldering Iron
- 1 – X-Tronic Hot Tweezer
- 1 - Soldering Iron and Hot Tweezer Holder
- 1 - Brass Tip Cleaner w/ Flux
- 5 – Soldering Iron Tips (Assorted Sizes and styles)
- 1 - Solder Roll Holder

PRODUCT FEATURES

- ESD Safe
- Genuine Samsung Microcontroller
- PID Technology
- Digitally Controlled
- Independent Temperature Adjustment and Compensation for Soldering Iron and Hot Tweezers
- 3 Preset Memory Options
- Safety Features - Sleep Function and Automatic Shutdown
- Highest Quality and Reliability
- High Temperature Stability
- °C / °F Conversion
- Small Footprint

PRODUCT SPECIFICATIONS

Model	#8020-XTS
Dimensions	5.9 x 5.4 x 3.7 in / 15.0 x 13.6 x 9.3 cm
Weight	6.0 lbs / 2.72 kg
Working Environment	32°F ~ 104°F / 0°C ~ 40°C
Storing Environment	-4°F ~ 176°F / -20°C ~ 80°C
Temperature Range	212°F ~ 896°F / 100°C ~ 480°C
Temperature Stability	± 2°C
Grounded Tip Voltage	< 2 mV
Tip Impedance	< 2Ω
Display Type	LED
Cable Length (Material)	≥ 39.4 in / 100 cm (Silicone)

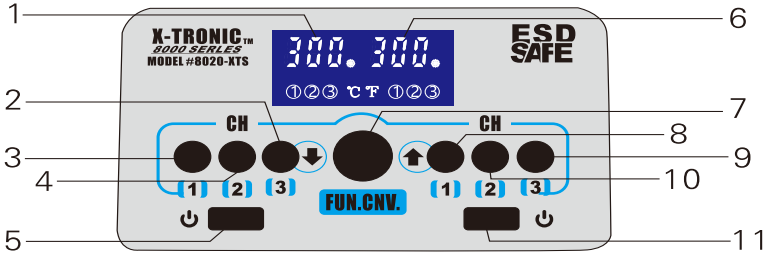
SAFETY PRECAUTIONS

1. When not in use always turn the power off and unplug the unit from the electrical outlet.
2. Never use the soldering iron near any flammable substance, material, or gas.
3. Never touch the metallic components of the soldering iron while they are in use. The items are extremely hot and will cause serious burns instantly. Allow the unit to properly cool to room temperature before attempting to touch them.
4. Do not use the unit for any application other than soldering.
5. Do not tap the soldering tip against the work surface to remove residual solder - this can damage the soldering tip and/or heating element.
6. Do NOT modify the unit in any way.
7. When replacing consumable parts, only use approved manufacturer parts.
8. Do not get the unit wet or use when your hands are wet.
9. The soldering process can produce smoke - ensure the area is well ventilated.

PRODUCT SET-UP

1. Unpack all of the contents of the X-Tronic #8020-XTS unit and Inspect the unit and accessories for any damage. If damage is detected, please contact X-Tronic immediately (see back of manual for contact information)..
2. Attach the soldering iron to the unit using the soldering iron connection and place the soldering iron into the holder.
3. Attach the hot tweezers to the unit using the hot tweezer connection and place the tweezers into the holder.
4. Ensure all of the connections are secure and correct before applying power to the unit.
5. Plug the power cord into a GROUNDED AC wall outlet.
6. Turn on the main power switch located on the back of the unit.
7. Power on the unit.
   a. Soldering Iron
      i. Power on the soldering iron with the Iron power switch.
      ii. Adjust the soldering iron temperature by pressing the soldering iron ↑ and ↓ buttons.
   b. Hot Tweezers
      i. Turn on the hot tweezers by means of the Hot Tweezers power switch.
      ii. Adjust the hot air temperature by using the hot air gun ↑ and ↓ buttons.

USER INTERFACE



1. Hot Tweezer Temperature Display
2. Hot Tweezer CH3 Memory Preset
3. Hot Tweezer CH1 Memory Preset
4. Hot Tweezer CH2 Memory Preset
5. Hot Tweezer Power Button
6. Soldering Iron Temperature Display
7. Function Key
8. Soldering Iron CH1 Memory Preset
9. Soldering Iron CH3 Memory Preset
10. Soldering Iron CH2 Memory Preset
11. Soldering Iron Power Button

OPERATING INSTRUCTIONS

1. Connect the soldering iron and the machine.
2. Plug on the power cord.
3. Switch on main power switch, display - - - - - - means enter into standby state.

4. Switch on Tweezers/ soldering station 1 or soldering station 2, display relatively temperature(original display CH1 memory temperature),3 seconds, begin to heating up quickly. You can normally work when temperature stable.

5. Adjust tweezers/ soldering station 1 current temperature: Press FUN.CNV. key, the current temperature flashing.

Press ⬆ key (heating up) or ⬇ key (cooling down) adjust soldering iron temperature. Adjust to desired temperature, stop operation, after temperature flashing 6 times will auto memory the setting temperature. LCD display set temperature 3 seconds, temperature begin to heating up from current temperature quickly, you can normally work when temperature stable.

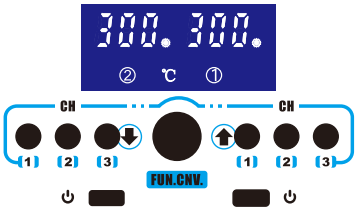
6. Adjust soldering station 2 current temperature:

A. Tweezers/ soldering station 1 or soldering station 2 switch on at the same time: Press FUN.CNV. two times, LCD right temperature flashing, can adjust current temperature. Adjust method is the same with 5.

B. Only switch on soldering station:Press FUN.CNV. LCD right temperature flashing, can adjust current temperature.

OPERATING INSTRUCTIONS CONT.

Tweezers/ soldering station 1 three section temperature memory setting. For example:CH2



1-1. Open the main power switch, tweezers/ soldering station 1 power switch,the screen display CH1 memory temperature, press left panel (2) key, converse to CH2 memory temperature.
1-2. You can open soldering station 2 power switch at the same time.

2-1. Press FUN.CNV. key ,temperature flashing.
2-2. When soldering station 2 power on at the same time, if press FUN.CNV. one more time, it will change to soldering station 2 CH1 temperature memory adjust.

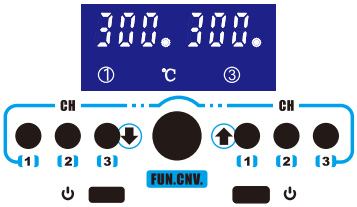
3. Press ⬇ key(cooling down) or ⬆ (heating up) adjust to desired temperature. For example:350°C (long press the key -heating up or cooling down quickly, short press the key-heating up or cooling down step-by-step)

4. Adjust the temperature, stop operation. Tweezers/ soldering station 1 CH2 temperature flashing 6 times, system will auto memory data.The screen display tweezers/ soldering station 1 CH2 set temperature 3 seconds, soldering station 1 CH2 setting completed.

Tweezers/ soldering station 1 CH1/CH3 memory temperature setting is the same with Ch2. After setting, can select tweezers/ soldering station 1 CH1/CH2/ CH3 enter into relevant temperature to solder.

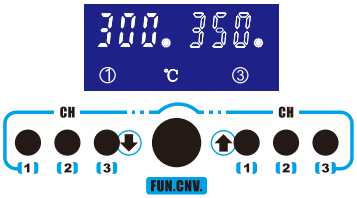
OPERATING INSTRUCTIONS CONT.

Soldering station 2 three section temperature memory setting.
For example: CH3



1-1. Open main power switch, open soldering station 2 power switch, the screen display CH1 memory temperature, press left panel **(3)** key, change to CH3 memory temperature.
1-2. You can open tweezers/ soldering station 1 power switch at the same time.

2-1. When only open single soldering iron, press **FUN.CNV.** key,temperature flashing.
2-2. When open tweezers/ soldering station 1 at the same time, press **FUN.CNV.** key twice. soldering station 2 CH3 temperature flashing.



3. Press ⬇ key (cooling down) or ⬆ key(heating up) adjust to desired temperature. For example:350°C (long press the key -heating up or cooling down quickly, short press the key-heating up or cooling down step-by-step)

4. After adjust the temperature,stop operation. Soldering station 2 CH2 temperature flashing 6 times, system will auto memory data. The screen display soldering station 2 CH2 set temperature 3 seconds, soldering station CH2 setting completed.

Soldering station 2 CH1/CH3 memory temperature setting is the same with Ch2. After setting, can select soldering station 2 CH1/CH2/CH3 enter into relevant temperature to solder.

SETTING UP FUNCTIONS

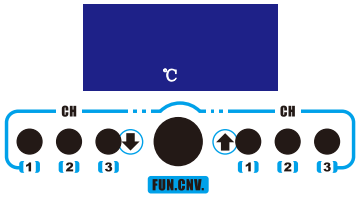
The order of function setting(the order can cycle)press **FUN.CNV.** key to converse.

1. Fahrenheit/Celsius temperature display switch
2. Tweezers/ soldering station 1: Iron sleep
3. Soldering station 2: Iron sleep
4. Tweezers/ soldering station 1: Auto-off time
5. Soldering station 2: Auto-off time
6. Tweezers (1) / soldering station 1: Temperature correction
7. Tweezers (2): Temperature correction
8. Soldering station 2: Temperature correction

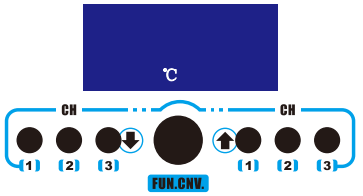
Note: 938D+ series item no 7th steps

SETTING UP FUNCTIONS CONT.

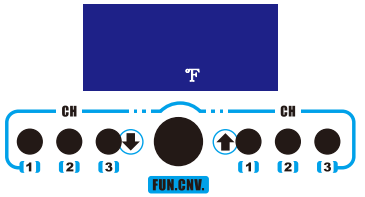
1. Switch Fahrenheit/ Celsius display mode setting:



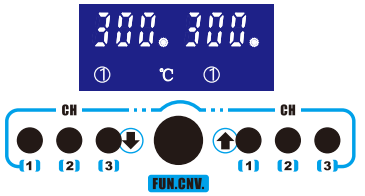
1. Press **FUN.CNV.** key the same time open main power switch on the machine right side, the screen display °C three seconds, °C begin flashing. This time is °C /°F switch mode.



3. If need to set the °C, press ⬇ key, it will be successful.

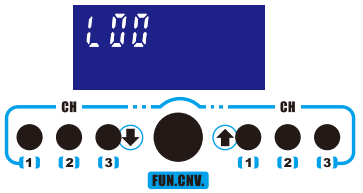


2. Press ⬆ key, the screen change to °F flashing.



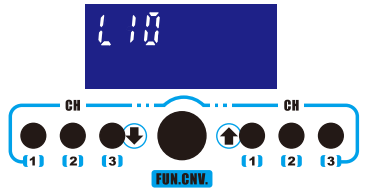
4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting. Re-open machine, the screen display the setting display type and CH1 memory temperature.
(if need to continue other function setting, no need to turn off the machine, direct press **FUN.CNV.** key enter relevant setting interface)

2. Tweezers/ soldering station 1: Soldering iron sleep time setting



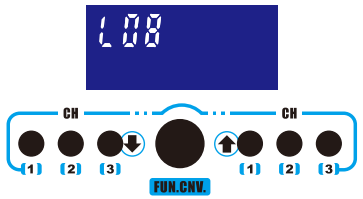
1-1. In OFF state, press **FUN.CNV.** the sametime open main power switch on the machine right side, the screen display °C three seconds,°C begin flashing. Press **FUN.CNV.** key, the left of screen display L00 is flashing.

1-2. Like the °C/°F switch setting state, direct press **FUN.CNV.** key, enter into tweezers/ soldering station 1 sleep time setting:



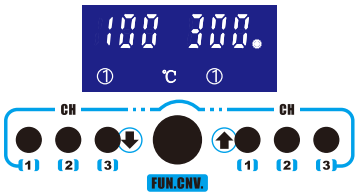
2. Sleep time set to 10 minutes, press ⬆ key to increase, step by 1 minute.

SETTING UP FUNCTIONS CONT.



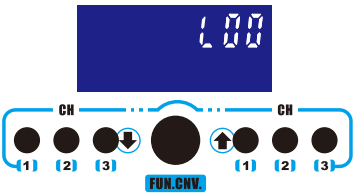
3. If need to change the sleep time to 8 minutes, press ⬇ key to decrease sleep time, step by 1 minute.

4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting. Re-open machine, the screen display the setting display type and CH1 memory temperature.(If need to continue other function setting no need to turn off the machine, direct press FUN.CNV. key enter relevant setting interface)



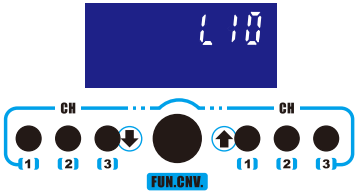
5. Soldering iron self detect working condition, when not in using during stationary state, the setting sleep time over, soldering iron temperature will auto down to 100°C enter into sleep mode. Screen will change between 100 and SLP. End sleep method: A. Take the soldering iron swing it slightly;
B. Press any key
C. Re-open the machine.
Sleep time range: 0~99 minute, step by 1 minute, users can setting by personally, if no need sleep, can set the sleep time to 0

3. Soldering station 2: Sleep setting

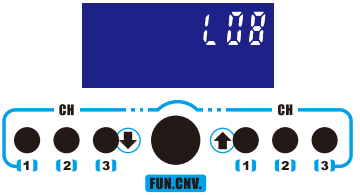


1-1. In OFF state, press FUN.CNV. key the same time open main power switch on the machine right side, the screen display °C three seconds,°C begin flashing. press FUN.CNV. key, the left of screen display L00 is flashing.
1-2. Like tweezers/ soldering station 1 setting: soldering iron sleep time setting state, direct press FUN.CNV. key enter into tweezers/ soldering station 1 sleep time setting.

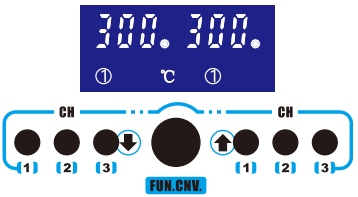
SETTING UP FUNCTIONS CONT.



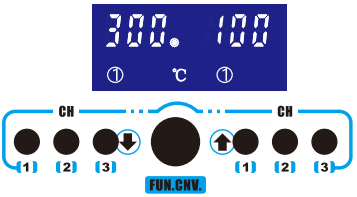
2. Sleep time set to 10 minutes, press ⬆ key to increase, step by 1 minute.

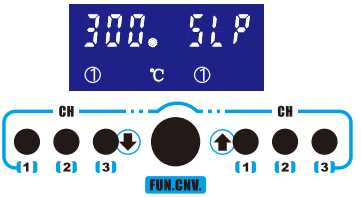


3. If need to change to 8 minutes, press ⬇ key to decrease sleep time. Step by 1 minute



4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting. Re-open machine, the screen display the setting display type and CH1 memory temperature. (If need to continue other function setting, no need to turn off the machine, direct press FUN.CNV. key enter relevant setting interface)



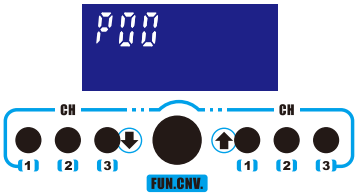


5. Soldering iron self detect working condition, when not in using during stationary state, the setting sleep time over, soldering iron temperature will auto down to 100°C enter into sleep mode. Screen will change between 100 and SLP. End sleep method: A. Take the soldering iron swing it slightly;
B. Press any key;
C. Re-open the machine.

Sleep time range:0~99 minute, step by 1 minute, users can setting by personally, if no need sleep, can set the sleep time to 0 .

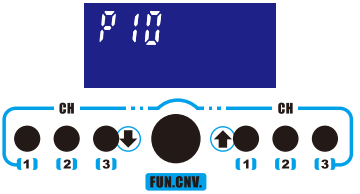
SETTING UP FUNCTIONS CONT.

4. Tweezers/ soldering station 1: Auto-off time setting

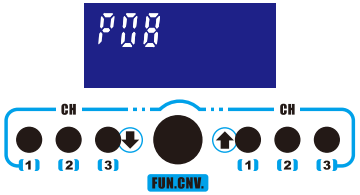


1-1. In OFF state, press FUN.CNV. key the same time open main power switch on the machine right side, the screen display °C three seconds,°C begin flashing. Press key three times, the left of screen display P00 is flashing.

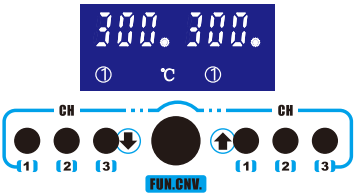
1-2. Like soldering station 2 setting soldering iron sleep time setting state, direct press FUN.CNV. key enter into tweezers/ soldering station 1 auto-off time setting.



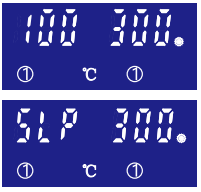
2. Auto-off time set to 10 minutes, press ⬆ key to increase, step by 1 minute.

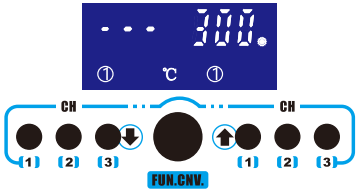


3. If need to change auto-off time to 8 minutes, press ⬇ key to decrease auto-off time. Step by 1 minute



4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting. Re-open machine, the screen display the setting display type and CH1 memory temperature.(If need to continue other function setting, no need to turn off the machine, direct press FUN.CNV. key enter relevant setting interface)

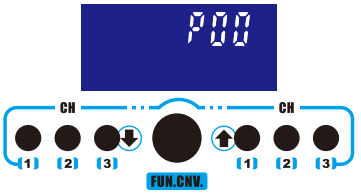




5. After Soldering iron enter into sleep mode, screen display change between 100 and SLP. Program start timing, if not wake up the machine within the setting auto-off time ,the machine will automatic shutdown, screen display - - - prompt turn down soldering iron switch.(auto-off function just be effective when sleep time more than 0)

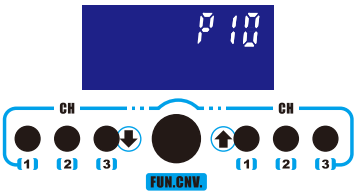
SETTING UP FUNCTIONS CONT.

5. Soldering station 2: Auto-off time setting

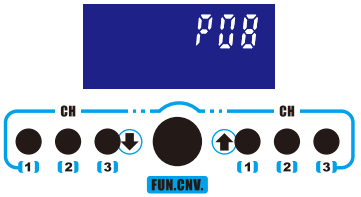


1-1. In OFF state, press **FUN.CNV.** key the same time open main power switch on the machine right side, the screen display °C three seconds,°C begin flashing. press **FUN.CNV.** key four times ,the right of screen display P00 is flashing.

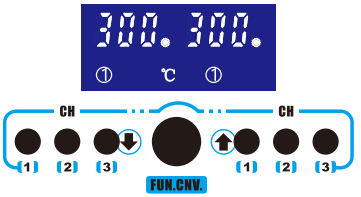
1-2. Like tweezers/ soldering station auto-off time setting state, direct press **FUN.CNV.** key, enter into soldering station 2 auto-off time setting.



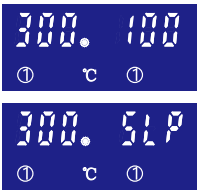
2. Auto-off time set to 10 minutes, press ⬆ key on the right panel to increase, step by 1 minute

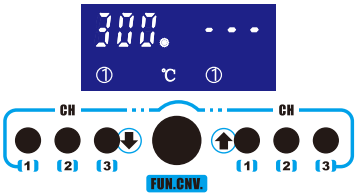


3. If need to change auto-off time to 8 minutes, press ⬇ key to decrease auto-off time .step by 1 minute.



4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting. Re-open machine, the screen display the setting display type and CH1 memory temperature. (If need to continue other function setting,no need to turn off the machine, direct press **FUN.CNV.** key enter relevant setting interface)

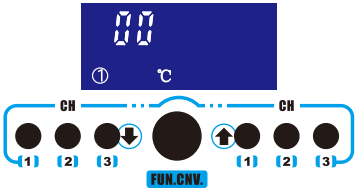




5. After Soldering iron enter into sleep mode, screen display change between 100 and SLP. Program start timing, if not wake up the machine within the setting auto-off time ,the machine will automatic shutdown, screen display - - - prompt turn down soldering iron switch.(Auto-off function just be effective when sleep time more than 0)

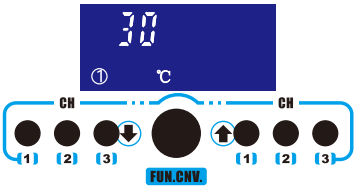
SETTING UP FUNCTIONS CONT.

6. Tweezers(1)/ soldering station 1: Temperature calibration

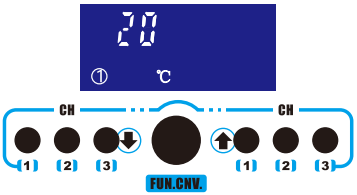


1-1. In OFF state, press **FUN.CNV.** key the same time open main power switch on the machine right side, the screen display °C three seconds,°C begin flashing.press **FUN.CNV.** key five times, screen display as figure.

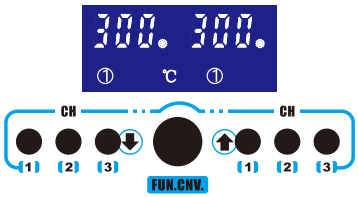
1-2. Like soldering station 2 auto-off time setting state, direct press **FUN.CNV.** key, enter into tweezers (1)/ soldering station 1 temperature calibration setting.



2. Temperature calibration set to 30°C, press ⬆ to increase, step by 1°C.



3. If need to change temperature calibration to 20°C, press ⬇ key to decrease. Step by 1 minute. Calibration range:±50°C.



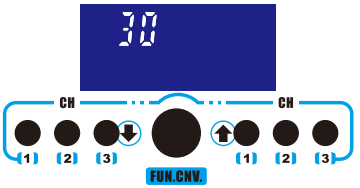
4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting. (If need to continue other function setting, no need to turn off the machine,direct press **FUN.CNV.** key enter relevant setting interface).

7. Tweezers(2): Temperature calibration (938D+ series without this step)

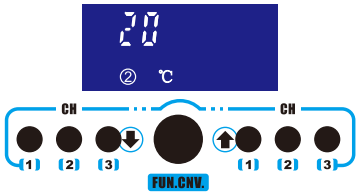
1-1. In OFF state, press **FUN.CNV.** key the same time open main power switch on the machine right side, the screen display °C three seconds,°C begin flashing. Press **FUN.CNV.** key six times, screen display as figure.

1-2. Like tweezers (1) / soldering sation 1 temperature calibration setting state, direct press **FUN.CNV.** key, enter into tweezers (2) temperature calibration setting.

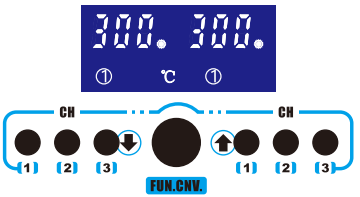
SETTING UP FUNCTIONS CONT.



2. Temperature calibration set to 30°C, press ⬆ to increase, step by 1°C.

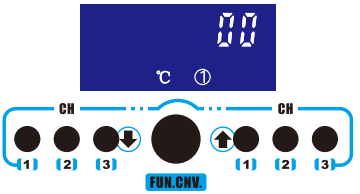


3. If need to change temperature calibration to 20°C, press ⬇ key to decrease. Step by 1 minute. Calibration range:±50°C.

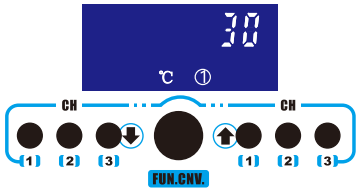


4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting (If need to continue other function setting, no need to turn off the machine, direct press **FUN.CNV.** key enter relevant setting interface).

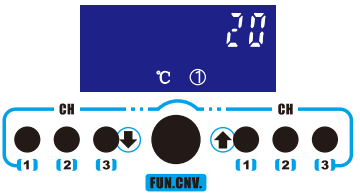
8. Soldering station 2: Temperature calibration



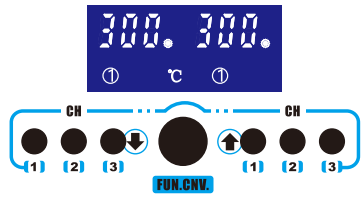
1. In OFF state, press **FUN.CNV.** key the same time open main power switch on the machine right side, the screen display °C three seconds,°C begin flashing. Press **FUN.CNV.** key seven times, screen display as figure.



2. Temperature calibration set to 30°C, press **FUN.CNV.** to increase, step by 1°C.



3. If need to change temperature calibration to 20°C, press ⬇ key to decrease .step by 1 minute. Calibration range:±50°C



4. After setting, wait for 3 seconds, turn off main power switch, system will auto memory data, complish setting (All function setting finished, if press **FUN.CNV.** key, cycle to 1. °C/°F converse display mode set)

MAINTENANCE

UNIT

1. Keep the unit plugged into a GROUNDED outlet at all times during operation.
2. Keep the unit and all components free from dirt, debris, and liquid at all times.
3. Make sure the power cord is plugged in correctly and safely off the floor to prevent accidents.
4. Keep all cords in the immediate workspace and avoid letting them hang off the side of a table or bench top.
5. Wipe the unit down, when needed, with a dry, static-free cloth.

SOLDERING TIP CARE

1. For first use, allow the tip to rise to a stable temperature. Clean the tip on the damp sponge and tin the tip (apply a small amount of fresh solder to the tip).
2. Never hit the soldering iron or tip on anything to remove excess solder.
3. Do not use extreme temperature with the soldering iron tips, doing so will shorten the life span of the tip.
4. Clean the tip before each use, using the copper cleaning brush for better temperature stability during cleaning.
5. Always clean and re-tin the tip after each use. This will aid in the prevention of oxidation on the tip and help extend the life span.
6. Do not allow the soldering iron or the tips to sit idle at high temperatures for extended periods of time.
7. Never use a file or other abrasive materials to remove oxidation from the tips.
8. To remove oxidation, simply flood the tip with fresh solder and wipe it clean on the damp sponge or copper cleaning pad. This may need to be repeated several times for badly oxidized parts.
9. To remove the yellowing on the tip shaft, which is perfectly normal especially after first use, clean with 90% Isopropyl alcohol.

INSTALL/REMOVE SOLDERING IRON TIP

1. Turn off the power to the unit and unplug from the power source.
2. Allow the soldering iron and tip to reach room temperature.
3. Loosen the nut at base of the metallic shaft of the soldering iron.
4. Slide the metallic tube off of the soldering iron and tip.
5. Slide the tip off of the heating element.
6. Repeat in the reverse order for installation. *Do not overtighten the nut on the soldering iron.*

REPLACING THE SOLDERING TIP

1. Turn off the soldering station, unplug the power cord from the power source and allow the soldering iron to cool down to room temperature. Never attempt to remove the tip while the iron is hot.
2. Unscrew the small metal tip retaining screw cap at the bottom of the soldering irons metal shaft. Slide off or remove the soldering tip retaining collar. Now, remove the tip by sliding it forward. (There is NO need to remove the black Bakelite screw cap to change the tip.)
3. Slide a new tip over the exposed ceramic heating element, slide the metal retaining collar over the new soldering tip back onto the soldering iron.
4. Tighten the metal tip retaining screw cap to secure the tip into place. Do not over tighten the metal tip retaining screw cap.
5. Plug the soldering iron AC cord into a grounded outlet to resume soldering.

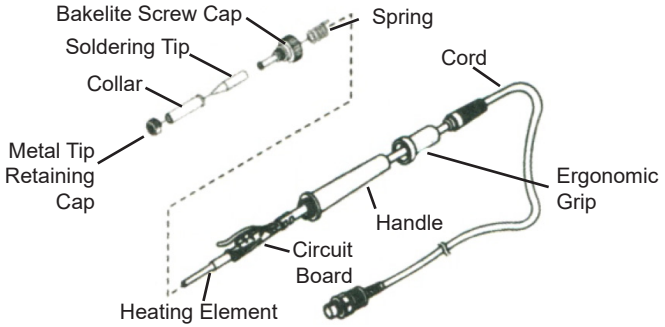
BLACK BAKELITE SCREW CAP TIPS

- Bakelite is a strong and stable material when handled correctly. This part cannot be made of metal for heat transfer safety reasons.
- The black Bakelite screw cap does NOT need to be removed to replace the tip. This is only removed to access the heating element.
- The Bakelite screw cap should never be tightened or re-tightened when the iron is hot. If the iron is not at room temperature when the Bakelite screw cap is removed it can cause it to crack.
- When tightening the Bakelite screw cap, at room temperature, it only needs to be snug - DO NOT OVER-TIGHTEN.

SE ERROR MESSAGE

When the display shows “SE” this means that the heating element needs to be replaced. The heating element could be worn out or cracked.
Note *that if you run the soldering iron in the 230°C ~ 280°C range, which is the normal temperature range for most “all” soldering applications, your heating element should last for 6 to 12 months depending on hours of use.*

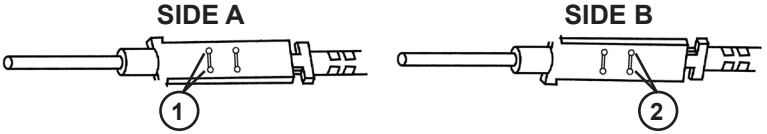
REPLACING THE SOLDERING IRON HEATING ELEMENT



1. Turn off the unit and unplug it from the outlet. Allow the soldering iron to cool down to room temperature.
   Never attempt to handle the tip while the iron is hot.
2. Unscrew the Black Bakelite Screw Cap and slide off the full tip assembly.
3. Push the Cord through the bottom of the soldering iron while simultaneously pulling gently on the heating element to expose the circuit board.
4. De-solder the 2 thin / red or white wires from one side of the board and the 2 thick / blue wires from the other side of the board and pull the heating element away from the board.

NOTE: Record which side had the thin wires and which side had the thick wires so the replacement can be attached accordingly.

5. With the new heating element in place, solder the 2 thick / blue wires to the two lower solder joints on the circuit board (see Side A diagram below).
6. Flip the circuit board over and solder the 2 thin / red or white wires to the two upper solder joints on the circuit board (see Side B diagram below).



7. Pull the cord back gently and align the circuit board to the slots on the iron so the cord can be pulled back to its original position.
8. Replace Bakelite Polymer Retaining Cap and screw back on and hand tighten - Do NOT over-tighten.
9. Install the soldering tip, slide the metal soldering tip retaining collar and hand tighten it. Plug the AC cord back into a grounded outlet.

NOTE: The wires on the heating element can be soldered onto either side of the circuit board, as there is no polarity for the element.

REPLACING THE HOT TWEEZERS HEATING ELEMENT

1. Turn off the unit and unplug it from the power source.
2. Allow the unit to reach room temperature before proceeding.
3. Disconnect the hot tweezers from the unit.
4. Unscrew the nut at the base of the tweezer tip (Figure 1 - #1).
5. Remove the pipe and tip - they do not separate (Figure 1 - #2 & #3).
6. Unscrew the screw on the one side of the handle (Figure 1 - #7).
7. Unscrew the screw in between the two sides (Figure 1 - #9).
8. Remove the spring (Figure 1 - 10).
9. Remove the handle from the Handle Set (Figure 1 - #11 & #6).
10. On the Handle Set unscrew the screw near the handle line (Figure 2 - #12).
11. Carefully remove the circuit board (Figure 2 - #15). Pay attention to where the ground connection is for the spring (Figure 2 - #16).
12. Unsolder the existing heating element, taking note of wire color and location (Figure 2 - #4).
13. Remove the heating element.
14. Replace the heating element.
15. Repeat instructions in reverse order to reassemble the hot tweezers.

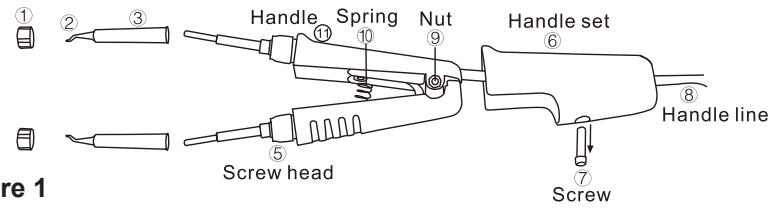


Figure 1

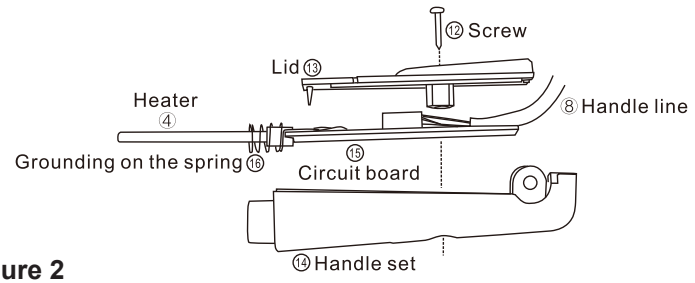


Figure 2

X-Tronic International Inc.

3-YEAR LIMITED WARRANTY

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS, AS THEY VARY FROM STATE TO STATE.

THIS LIMITED WARRANTY CAN ALSO BE FOUND ON OUR WEBSITE AT WWW.XTRONICUSA.COM/SUPPORT/WARRANTY.

WE WARRANT THAT DURING THE WARRANTY PERIOD, THE PRODUCT WILL BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP.

WE LIMIT THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

SOME STATES HAVE DIFFERENT LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

OUR RESPONSIBILITY FOR DEFECTIVE GOODS IS LIMITED TO REPAIR, REPLACEMENT OR REFUND AS DESCRIBED BELOW IN THIS WARRANTY STATEMENT.

WHO MAY USE THIS WARRANTY?

X-Tronic International Inc. located at 2159 Magnum Circle, Lincoln, Nebraska 68522 (“we”) extend this limited warranty only to the consumer who originally purchased the product in the United States, the District of Columbia or Canada (“you”). It does not extend to (a) any subsequent owner or other transferee of the product, (b) any product shipped outside of the United States, the District of Columbia or Canada, or (c) anyone who may have purchased it from someone other than X-Tronic International Inc.. Proof of purchase is required for in-warranty service. We recommend you promptly register this product on our website (www.XTronicUSA.com) to facilitate verification of the date of the original purchase. Keep the product manual and your sales receipt together for future reference.

WHAT DOES THIS WARRANTY COVER?

This limited warranty covers defects in materials and workmanship of the product for the Warranty Period as defined below. In addition, during the Initial Warranty Period, this limited warranty also covers defects occurring in the initial shipment of the product to you.

WHAT DOES THIS WARRANTY NOT COVER?

This limited warranty during the Warranty Period does not cover any damage due to: (a) improper use; (b) failure to follow the product instructions or to perform any preventive maintenance; (c) modifications; (d) unauthorized repair; (e) normal wear and tear that comes with household use; or (f) external causes such as accidents, abuse, or other actions or events beyond our reasonable control. It also does not cover consumable parts.

WHAT IS THE PERIOD OF COVERAGE?

This limited warranty starts on the date of your purchase and lasts for 3 years ("The Warranty Period"), which shall be divided into two periods: (1) the first 30 days from the date of your purchase ("Initial Warranty Period"); and (2) the remainder of the 3 year period after the Initial Warranty Period has expired (the "Remainder Warranty Period"). The Warranty Period is not extended if we repair or replace the product. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

WHAT ARE YOUR REMEDIES UNDER THIS WARRANTY?

With respect to any defective product during the Initial Warranty Period, we will, in our sole discretion either (a) replace such product (or the defective part) free of charge, or (b) refund the purchase price of such product.

With respect to any defective product during the Remaining Warranty Period, we will repair such product free of charge and provide a full-service inspection of your product. You will be responsible for all shipping and handling fees to and from our facility.

HOW DO YOU OBTAIN WARRANTY SERVICE?

To obtain warranty service, you must call 844-861-4762 or email us at Info@XTronicUSA.com during the Warranty Period to open a service request. Proof of purchase will be required to open a service request.

LIMITATION OF LIABILITY

THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT.

SOME STATES HAVE DIFFERENT LIMITATIONS OF LIABILITY AND EXCLUSIONS, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

QUESTIONS, PROBLEMS OR COMPLIMENTS?

Thank You for purchasing this X-Tronic International Product! We are grateful for your business!

All of our X-Tronic International Products are inspected then sealed with our NEW Product Seal prior to shipment. Our goal is to ensure Quality, Completeness, and Satisfaction for your order.

For Any Questions, Problems, or Compliments please call or email us.

☎ **Toll Free: 844-861-4762**

✉ **Info@XTronicUSA.com**

Our Business Hours are:
Monday - Thursday: 8am - 4pm CST
Friday: 8am - Noon CST

If you would like to shop for other X-Tronic International Products
Please visit our website
www.XTronicUSA.com

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