SOLDERING STATION
ESD SAFE / ADJUSTABLE TEMPERATURE / THERMOSTATIC

Statement: The company reserves the right to improve & upgrade products, product specifications and design are subject to change without notice.

OPERATION
INSTRUCTION

English

Made in China

Thank you for purchasing this product. Please read the manual carefully before operating and keep this manual for future reference.
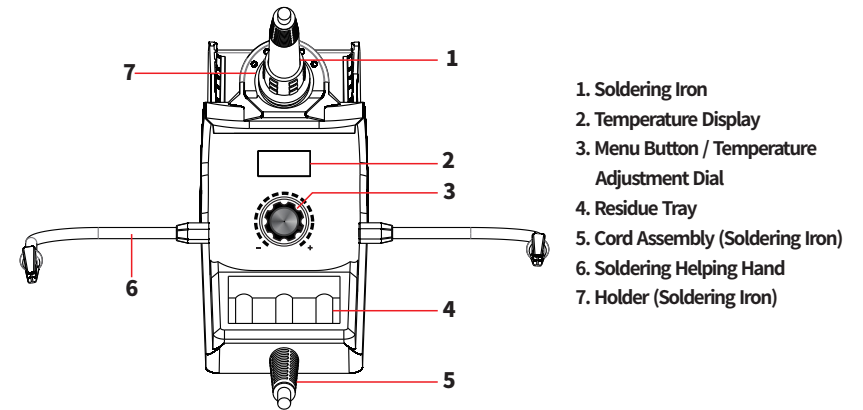
SPECIFICATION

Model number	926LED III 60	926LED III 90	926LED III 110	926LED III 110W
Main unit dimensions	L185*W72*H115mm±5mm	L185*W72*H125mm±5mm		L185*W72*H115mm±5mm
Operating ambient temp.	0~40℃/32~104°F			
Temperature range	90~480℃/194~896°F			
Display	LED			
Tip to ground resistance	<2 ohms			

I. APPLICATIONS

Suitable for soldering and desoldering operations on SMT, through-hole components such as SOP, DIP, SOIC, and other types of components.

II .PART REFERENCE

1. Soldering Iron
2. Temperature Display
3. Menu Button / Temperature
   Adjustment Dial
4. Residue Tray
5. Cord Assembly (Soldering Iron)
6. Soldering Helping Hand
7. Holder (Soldering Iron)

III. OPERATIONS

1. Place the soldering iron in the holder correctly.
   (If the station comes with a solder roll holder, install the solder roll holder. Installation: Put the solder roll holder on the left side of the station, and align the holes on the bracket with the installation holes on the station. Hold the solder roll holder securely together and level the both before tightening the screws.)
2. Connect the power cord and turn ON the power switch; the heating element will begin heating. The heating indicator light will light up and stay ON constantly when the station heating. The heating indicator light will stay lit when station heating up; The heating indicator light will blink when the temperature stabilizes; The heating indicator light will turn off when station cooling. Start your work when the temperature stabilizes.

Indicator (PID Temperature Control Tracking & Compensating)

CAUTION: Upon the first use of the soldering iron tip, set the temperature to 250℃/482°F . When the iron tip is just hot enough to melt solder, coat the tip with a layer of solder, then move the temperature up to the required value.

3. When the operation is complete, clean the residuals off the tip with a damped cleaning sponge or a metallic wool ball. Tin the soldering tip with a layer of solder when the cleaning is complete, then place the soldering iron into the holder. When the soldering iron is not in use for an extended period, turn OFF the power switch and DISCONNECT the power cord.

°F/°C Temperature Unit Display

This function allows users of different regions to select their preferred temperature unit on display.

1. Press and hold the menu dial button (it functions as both the dial and menu button) for 2 seconds, and then the station will display "C" .
2. Turn the dial button to select C or F temperature unit display mode.
3. Complete and exit the setting interface by pressing the dial button 3 consecutive times.

Sleep Mode Timer Configuration

The use of this function help extends the lifespan of the soldering iron while conserving energy.

1. Press and hold the dial button for 2 seconds, and press the dial button 1 time. The station will display "L10" to indicate the timer is set to 10 minutes of sleep mode.
2. Turn the dial button to set the sleep mode timing. Set timer value to "L00" if sleep mode is not needed.
3. Complete and exit the setting interface by pressing the dial button 2 consecutive times. The sleep mode timer can be set to 0/5/10/30 minutes, set the timer value to 0 to deactivate sleep mode.

   To start up the soldering station:
   A. Pick up the soldering iron and gently shake the iron;
   B. Press any button on the control panel;
   C. Turn OFF the power then turn ON the power.

When the temperature setting is greater or equal to 250°C (482°F), the temperature will drop to 200°C(392°F) in sleep mode; When the temperature setting is smaller than 250°C(482°F), the temperature will drop to 90°C (194°F) in sleep mode.

Digital Temperature Calibration

Temperature discrepancies may occur due to the change in the operating environment, and the replacement of the heating element, soldering tip, or other parts. This function can help improve work efficiency and extend the lifespan of the soldering iron.

1. After the temperature of the soldering iron has stabilized, press and hold the dial button for 2 seconds, then press the dial button 2 consecutive times. The station will display "CAL".
2. Turn the dial button to enter the calibrated temperature, confirm your entry by pressing the dial button once.
3. Press the dial button one time to complete and exit the setting interface. Repeat the above steps if temperature differentials remain.

IV. MAINTENANCE & PRECAUTIONS

1. If a layer of oxidization forms on the surface of the soldering iron tip, a misconception can be created that the tip cannot heat up properly to melt the solder and do the tinning. However, the actual temperatures of both the heating element and tip are high. In such an instance, please do not increase the temperature value confusedly but use a metal wool ball to remove the oxidization following the steps below:

    A. Set the temperature to 300°C (572°F).
    B. Once the temperature stabilizes, gently rub the soldering iron tip inside the metal wool ball.
    C. When the oxidization is partially removed, continue applying solder onto the soldering iron tip while rubbing it until the tip is completely coated with solder. If the tip is too severely oxidized beyond cleaning, replace it with a new one.

2. DO NOT use metal files to remove the oxidization on the soldering iron tip. If the soldering iron tip deforms or rusts, replace the soldering iron tip with a new tip.
3. DO NOT apply excessive force on the soldering iron tip when soldering. Doing this will NOT IMPROVE the heat transfer but damage the soldering iron tip instead.
4. When placing the soldering iron back in the holder to idle after a high-temperature operation, adjust the temperature to 250°C (482°F) or below for idling. Failure to do so, and leaving the soldering iron tip to idle in a high-temperature setting will cause the accelerated aging of the heating element and shorten the lifespan of the heating element and soldering iron tip.
5. After every operation, clean the soldering iron tip, then tin the tip with a new layer of solder to prevent oxidization.

V . TROUBLESHOOTING

1. "S-E" – The soldering iron's errors in the sensor modules. To solve this, change the heating element (heating element and sensor modules).

2. "SLP" – The station in sleep mode

3. When replacing the heating element, take notice of the original connecting order and colors of the wires which MUST NOT be connected incorrectly.

Tip style （specifications and sizes）

902 Series Tip Out Diam φ 6.5mm(only compatible with 926LED-III 110W)

902-**B**	Ø 1.2mm 17mm 0°C
902-**I**	.2r 17mm -10°C/-18°F
902-**K**	5.0mm 15mm 30°C/54°F
902-**3.2D**	Ø 3.2mm 17mm 0°C
902-**3C**	Ø 3.0mm 45° 17mm 0°C

For reference: compatible parts

Tip style （specifications and sizes）

900M Series Tip Out Diam φ 6.5mm （only compatible with 926LED-III 60/90/110）

900M-T-K	5.0mm 15mm 30°C/54°F
900M-T-R	3.2mm 5.0mm 17mm 0°C
900M-T-RT	2.0mm 4.2mm 17mm 0°C
900M-T-SI	.2r 13mm 0°C
900M-T-I	.2r 17mm -10°C/-18°F
900M-T-H	7.5mm 3.5mm 25° 19mm -20°C/-36°F
900M-T-1.8H	7.5mm 1.8mm 25° 14mm -10°C/-18°F
900M-T-S4	Ø 2.0mm 15mm 0°C

900M-T-LB	.2r 25mm -10°C/-18°F
900M-T-0.5C	Ø 0.5mm 45° 15mm 0°C
900M-T-0.8C	Ø 0.8mm 45° 17mm 0°C
900M-T-1C	Ø 1.0mm 45° 15mm 0°C
900M-T-1.5CF	Ø 1.5mm 60° 15mm 0°C
900M-T-2C	Ø 2.0mm 45° 17mm 0°C
900M-T-3C	Ø 3.0mm 45° 17mm 0°C
900M-T-4C	Ø 4.0mm 45° 17mm 0°C

900M-T-0.8D	Ø 0.8mm 17mm 0°C
900M-T-1.2D	Ø 1.2mm 17mm 0°C
900M-T-1.6D	Ø 1.6mm 17mm 0°C
900M-T-2.4D	Ø 2.4mm 17mm 0°C
900M-T-3.2D	Ø 3.2mm 17mm 0°C
900M-T-1.2LD	Ø 1.2mm 25mm -10°C/-18°F
900M-T-SB	Ø 2mm .2r 14mm 0°C
900M-T-B	.5r 17mm 0°C