

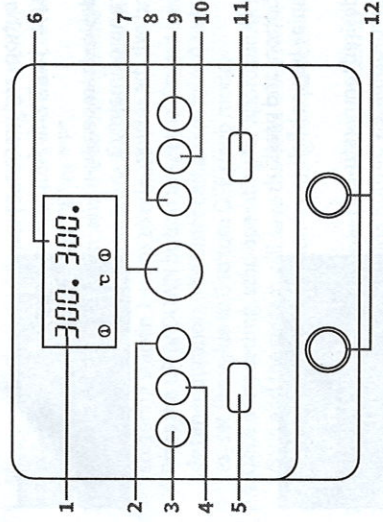
SPECIFICATIONS

Main Unit Dimensions	L150*W136*H93 mm ±5mm
Operating Ambient Temperature	0~40°C / 32~104°F
Temperature Range	100~480°C / 212~896°F
Display	LCD
Tip to ground resistance	<2 Ohms

I. APPLICATIONS

Suitable for soldering and desoldering operations on a broad range of surface-mount, and through-hole components such as SOP, DIP, SOIC and more.

II. REFERENCE: CONTROL PANEL



1. Temperature Display (Soldering Station 1)
2. CH3 Button (Soldering Station 1) / DOWN Button
3. CH1 Button (Soldering Station 1)
4. CH2 Button (Soldering Station 1)
5. Power Button (Soldering Station 1)
6. Temperature Display (Soldering Station 2)
7. Function Button
8. CH1 Button (Soldering Station 2) / UP Button
9. CH3 Button (Soldering Station 2)
10. CH2 Button (Soldering Station 2)
11. Power Button (Soldering Station 2)
12. Soldering Iron with Standard Heating Element (6-Pin) / High-Power Soldering Iron with Premium Heating Element (7-Pin)

III. OPERATION

1. Connect the soldering iron to the station, and place the iron into its holder.
2. Connect the station's power cord to an electrical outlet, turn ON the station's master power switch, and then turn ON the soldering station's power button. The soldering station's heating element will begin heating, and its operation indicator light (located at the bottom-right corner of the soldering station display) will turn ON. The operation indicator light will stay constantly ON when the soldering iron is heating up, blink rapidly when the temperature is stabilized, and be turned OFF when the soldering iron is cooling. Begin your operation once the soldering station's indicator is blinking rapidly to indicate the temperature's stabilization.



Indicator for real-time temperature tracking and temperature compensations.

CAUTION: Upon the first use of the soldering iron, set the temperature to 250°C/482°F. When the iron is just hot enough to melt solder, coat the soldering iron tip with a layer of solder (the use of rosin core solder is recommended), then set the temperature to your desired temperature.

3. When the operation is complete, use a damp sponge or metal wool ball to clean the soldering iron tip. Tin the soldering iron tip with a new layer of solder, then put the soldering iron back to the holder and turn OFF the power switch. If the station is not in use for an extended period, turn OFF the master power switch and DISCONNECT the power cord.

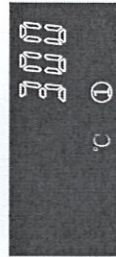
Temperature Setting

1. **Temperature Setting (Soldering Station 1)**
 - 1-1. Turn ON the soldering station 1's power button, and press the function button. The temperature display begins blinking.
 - 1-2. Press the UP or DOWN button to set the desired temperature. Once done setting, stop operating for approximately 3 seconds, the system will save the data and exit the setting interface.



2. **Temperature Setting (Soldering Station 2)**

- 2-1. Turn ON the soldering station 2's power button, and press the function button. The temperature display begins blinking.
- 2-2. Press the UP or DOWN button to set the desired temperature. Once done setting, stop operating for approximately 3 seconds, the system will save the data and exit the setting interface.



Preset Channel (3 Available Preset Channels)

Press the CH1 button, the display will show ① icon, then set the desired temperature. Once done setting, stop operating for approximately 3 seconds, the system automatically saves the data. The preset temperature setting can be entered into CH2, CH3 based on the procedure above.

Fahrenheit / Celsius Display Mode

This function allows the station to adapt to user preferences in different regions.

1. Press and hold the function button, and turn ON the power button. The display will show "C" or "F".
2. Press the DOWN button to select the Celsius mode, or press the UP button to select the Fahrenheit mode.
3. Once done setting, stop operating for approximately 5 seconds, and the system will save the setting data. Once done saving, turn OFF the power button – setting complete.



Sleep Mode Duration Timer

This function extends the lifespan of the soldering iron, conserves energy and protects the environment.

1. **Sleep Mode Duration Timer (Soldering Station 1)**
 - 1-1. Press and hold the function button, and turn ON the power button. The display shows "°C" or "°F".
 - 1-2. Press the function button, and the soldering station 1 display shows value "L10" to indicate the sleep mode timer for soldering station 1 set to 10 minutes.
 - 1-3. Press the UP or DOWN button to set the desired sleep mode timer duration. The timer can be set from 0 to 99 minutes, set the value to 0 to turn OFF sleep mode.
 - 1-4. Once done setting, stop operating for approximately 5 seconds and the system will save the data. Once done saving, turn OFF the power button – setting complete.



2. **Sleep Mode Duration Timer (Soldering Station 2)**

- 2-1. Press and hold the function button, and turn ON the power button. The display shows "°C" or "°F".

- 2-2. Press the function button 2 times, and the soldering station 2 display shows value "L10" to indicate the sleep mode timer for soldering station 2 set to 10 minutes.
- 2-3. Press the UP or DOWN button to set the desired sleep mode timer duration. The timer can be set from 0 to 99 minutes, set the value to 0 to turn OFF sleep mode.
- 2-4. Once done setting, stop operating for approximately 5 seconds and the system will save the data. Once done saving, turn OFF the power button – setting complete.



● Automatic Shut-Down Timer Duration

Once the soldering station enters sleep mode, the automatic shut-down timer begins counting down. Once the timer reaches the set duration, the station will automatically turn itself OFF.

1. Automatic Shut-Down Timer Duration (Soldering Station 1)

- 1-1. Press and hold the function button, and turn ON the power button. The display will show "C" or "F".
- 1-2. Press the function button 3 times, the display will show value "P10" to indicate the automatic shut-down countdown duration set to 10 minutes.
- 1-3. Press the UP or DOWN button to set the desired automatic shut-down timer duration. The timer can be set from 0 to 99 minutes, or set the timer value to 0 to turn OFF the automatic shut-down function.
- 1-4. Once done setting, stop operating for approximately 5 seconds, and the system will save the setting data. Once done saving, turn OFF the power button – setting complete.



2. Automatic Shut-Down Timer Duration (Soldering Station 2)

- 2-1. Press and hold the function button, and turn ON the power button. The display will show "C" or "F".
- 2-2. Press the function button 4 times, the display will show value "P10" to indicate the automatic shut-down countdown duration set to 10 minutes.
- 2-3. Press the UP or DOWN button to set the desired automatic shut-down timer duration. The timer can be set from 0 to 99 minutes, or set the timer value to 0 to turn OFF the automatic shut-down function.
- 2-4. Once done setting, stop operating for approximately 5 seconds, and the system will save the setting data. Once done saving, turn OFF the power button – setting complete.



● Temperature Calibration

Temperature discrepancies may occur due to the change in the environment's temperature or the replacement of the heating element and other components. You can correct the discrepancies with this function. The temperature calibration function can improve work efficiency and prolong the lifespan of the soldering iron.

1. Temperature Calibration (Soldering Station 1)

- 1-1. Press and hold the function button, then, turn ON the power button. The display shows "C" or "F".
- 1-2. Press the function button 5 times, and the display shows indicator "① 00" to indicate the calibration temperature value for soldering station 1 is set to 0 degree Celsius.
- 1-3. Press the UP or DOWN button to set the calibration temperature value. The value can be set from -50°C to 50°C / -58°F to 122°F
- 1-4. Once done setting, stop operating for approximately 5 seconds, and the system will save the data. Once done saving, turn OFF the power button – setting complete.



2. Temperature Calibration (Soldering Station 2)

- 2-1. Press the function button 6 times, and the display shows indicator "② 00" to indicate the calibration temperature value for soldering station 2 is set to 0 degree Celsius.
- 2-2. Press the UP or DOWN button to set the calibration temperature value. The value can be set from -50°C to 50°C / -58°F to 122°F
- 2-3. Once done setting, stop operating for approximately 5 seconds, and the system will save the data. Once done saving, turn OFF the power button – setting complete.



IV. MAINTENANCE & PRECAUTIONS

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

- Set the temperature to 300°C (572°F).
- Once the temperature stabilizes, gently rub the soldering iron tip inside the metal wool ball.

