Pro'sKit®

SS-257/SS-259

LCD Smart Soldering Iron Station

Thank you for purchasing the Pro'sKit SS-257/SS-259 LCD Smart Soldering Iron Station. Please read this manual before operating the SS-257/SS-259.

Please store the manual in a safe, easily accessible place for future reference.

Features

- Large screen with backlight, LCD contrast and brightness are adjustable.
- Designed with functional manual and shuffle knob for easy setting, more convenient and user friendly.
- Comes with high end quad-wire heating element for heat fast recovery.
- Microprocessor controlled provide best performance and accurate temperature control.
- Temperature calibration function.
- Auto sleep and wake up function, system lock, tip calibration and low consumption.
- 3 data memories store and recall frequently used temperature values.
- Built-in DC 5V/1A USB port for power supply.
- Complies with CE and ESD standard, conform to RoHS.
- Comes with UL Certified Wires.
- Silicone handpiece cord wire heat-resistant up to 200°C.
- Resettable fuse protection design.

Packing List

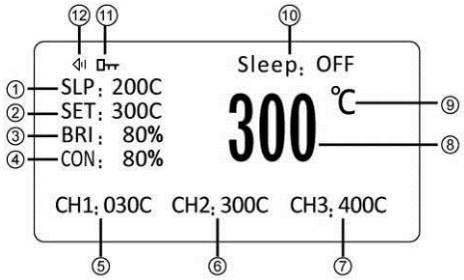
Please check the contents of the Soldering station package and confirm that all the items listed below are included.

Soldering Station……..……1
Iron Stand（with cleaning sponge）.1
Soldering Iron……1
Power Cord……..……1
Alligator Clip Grounding Wire…….....1
User's Manual……..……1

Specifications

Model No.	SS-257E	SS-257B SS-257H	SS-257C	SS-259E	SS-259B SS-259H	SS-259C
Input Voltage	110-120V~ 60Hz	220-240V~ 50Hz	240V~ 50Hz	110-120V~ 60Hz	220-240V~ 50Hz	240V~ 50Hz
Control system	Microprocessor-controlled					
Power consumption	75W	75W	75W	90W	90W	90W
Output voltage	24VAC	24VAC	24VAC	25VAC	25VAC	25VAC
LCD Display	73mmX40mm，240X120 dot. Backlight					
Temperature range	30~500°C /86~932°F					
Temperature calibration	0~699℃(32~1290℉)，Adjustment					
Temperature stability	±2℃/±36℉ (no load)					
Heating element	High end quad-wire heater			High end Silver alloy heater		
Plug	E	B H	C	E	B H	C
Sleep mode	OFF & 1~360min adjustment					
Temperature of sleep mode	30~400℃/86~752℉					
USB port output	DC 5V/1A					
Memory setting	3set					
Temperature lock function	yes					
Replacement heater	9SS-257-HT			9SS-259-HT		
Replacement soldering iron	9SS-257-SI			9SS-259-SI		
Tip-to-ground resistance potential	≦2Ω/≦2mV					
Size (mm)	180 x 150 x 106mm					
Weight	2.3kg					
Package	Color Box					

Main menu

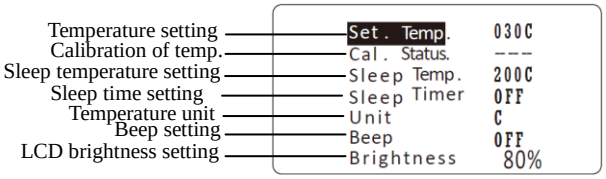


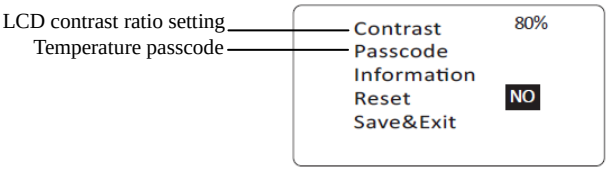
LCD Display function description

1. Temperature of sleep mode
2. Serting temperature
3. LCD brightness ratio
4. LCD screen contrast ratio
5. CH1 temperature memory setting
6. CH2 temperature memory setting
7. CH3 temperature memory setting
8. Current temperature
9. Temperature unit
10. Current sleep mode
11. Temperature lock
12. Current beep on or off

Function setting menu

Press knob for 3 sec., it will enter the function setting menu.





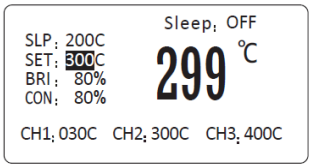
Setting up & operating the Soldering Station

Start to use

Turn on the soldering station, LCD screen will display main menu after three seconds, last set temperature will display.

Temperature setting

In the main menu, press lower part of shuffle knob, move cursor to the "SET" mode (as follow picture)，rotate around the shuffle knob in clockwise direction to increase temperature，counter clockwise direction to decrease temperature.



Temperature memory choose

In the main menu, press the center of shuffle knob twice, cursor will move to the CH1/CH2/CH3(see fig.1) ，press the left or right position of shuffle knob, choose the temperature needed.

Temperature memory setting

Press 3 seconds of shuffle knob into the function setting menu. Press knob and move cursor to the "Set. Temp." mode, press knob again to the temperature setting (see fig 2.), rotate around the shuffle knob in clockwise direction to increase temperature, counter clockwise direction to decrease temperature. Press knob to the next menu, choose the "Save & Exit" save the temperature and exit the menu.

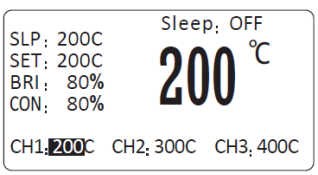


Fig.1

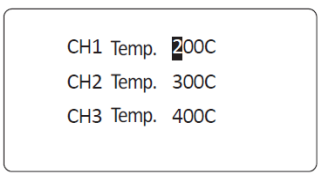


Fig.2

Temperature Calibration Set

The soldering iron should be recalibrated after changing the iron, or replacing the heating element or tip.

1 In the function setting menu, move cursor to the “Cal. Status.” mode then press the knob. Move cursor to the ”Real Temp” , input the real temperature, move cursor to the “OK” (see fig 3) then press knob confirm it. Press knob to the next menu, choose the “Save & Exit” save the temperature and exit menu.

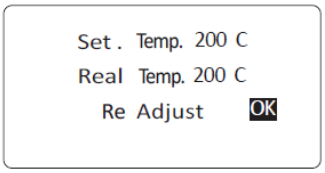


Fig.3

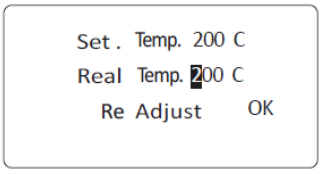


Fig.4

2. Calibrating the iron temperature

Setting the soldering iron station temperature to 350℃, when the temperature stabilizes, use soldering iron tip thermometer measurement and record tip real temperature, follow the procedure **1** input real temperature (see Fig.4), soldering iron station will calculate temperature.

3 Cal. Status description

3.1. When Cal. status display “----“(see Fig 5)，it means temperature have not calibration.

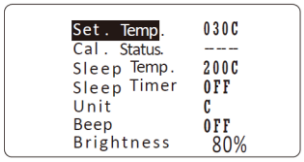


Fig.5

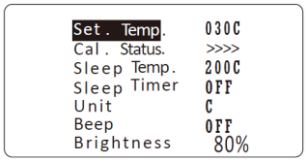


Fig.6

3.2. When Cal. status display “>>>>” (see Fig 6.)，it means “Real Temp.” has calibrated and increase temperature.

For example :“set.Temp”is 350℃, "Real Temp.”is 320℃, after temperature calibration as Fig 4.,temperature will rise to 350℃.

3.3. When Cal. status display “<<<<” (see Fig 7.)，it means “Real Temp.” has calibrated and decrease temperature.

3.4. When Cal. status display “》》” (see Fig 8.)，it means “Real Temp.” has calibrated to max. temperature, can not increase anymore, but it can decrease temperature.

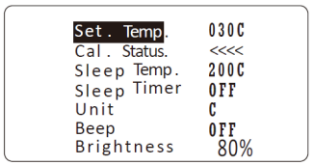


Fig.7

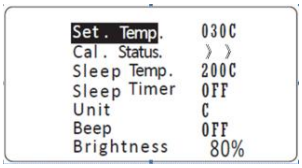


Fig.8

3.5 When Cal. status display “《《” (see Fig 9.)，it means “Real Temp.” has calibrated to minimum temperature, can not decrease anymore, but it can increase temperature.

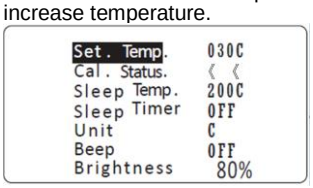


Fig.9

Auto sleep mode setting

1 In the function setting menu, move cursor to the “Sleep Temp.” mode, press knob to the setting, temperature range is 30~400℃ (86~752℉), after setting, press knob to the next menu, choose the “Save & Exit” save the temperature and exit the menu.

2 In the function setting menu, move cursor to the ”Sleep Timer” mode, press knob to the setting, sleep timer is adjustable from 1~360 minutes or setting “OFF” stop sleep mode activate, after setting, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.

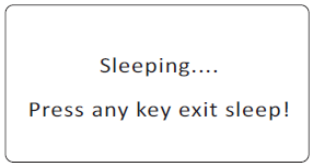


Fig. 10

Fahrenheit and Centigrade Selection

In the function setting menu, move cursor to the “Unit” mode，press knob to the setting, rotate around the knob , select “Fahrenheit” or “Centigrade” unit, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.

Beep setting

In the function setting menu, move cursor to the “Beep ”, press knob to the setting, rotate around the knob , switch “ON” or “OFF” mode, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.

When beep is setting “ON” mode, press knob will have key beep. When the error code appears, it will have di-di-di alarm sound.

LCD screen brightness adjustment

In the function setting menu, move cursor to the “Brightness” mode, press knob to the setting, rotate around the knob adjustment screen brightness, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.

LCD screen contrast adjustment

In the function setting menu, move cursor to the “Contrast” mode, press knob to the setting, rotate around the knob adjustment screen contrast, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.

Temperature passcode setting

1. In the function setting menu, move cursor to the “Passcode” mode，press knob into the passcode setting(see Fig 11), input the old code and new code, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.
2. After passcode set, only temperature memory CH1/CH2/CH3 can be choose in the main menu, other function was locked.
3. In the main menu, press 3 seconds of shuffle knob, input the passcode, into the function setting menu, now can start to do any setting.
4. Cancel passcode : In the main menu, press 3 seconds of shuffle knob, input the passcode, into the function setting menu, follow the 12.1 procedure, set new code “000” .
5. After setting, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.

⚠ **CAUTION:** Factory initial setting is “000”, this code without lock function.

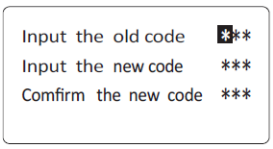
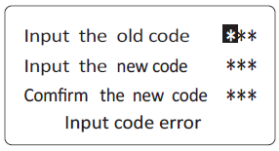
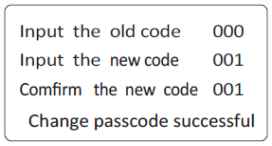


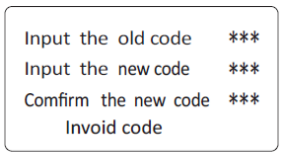
Fig11 pass code setting



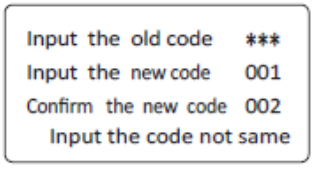
Input old code error



Change pass code successful



have not input new code



Input different new code

Reset

In the function setting menu, move cursor to the “Reset” mode，initial setting is “NO” (see Fig12)，rotate around the knob , choose “YES” (see Fig 13) and press knob confirm it, press knob to the next menu, choose the “Save & Exit” save the setting and exit the menu.

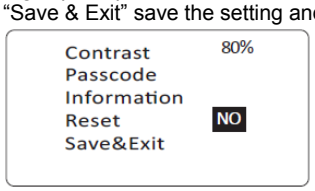


Fig. 12

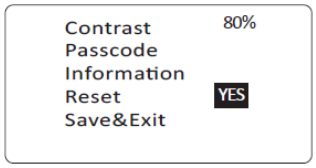


Fig.13

Passcode forgot and reset

If forgot passcode, turn off the power, press knob and power in the same time, LCD screen will display “input code” (see Fig. 14), input passcode “888” , the soldering iron station will reset passcode become”000”.

If need to reset passcode, please follow **Temperature passcode setting** renew your code.

Fig.14

For further more detailed information, please visit Pro’skit website http://www.prokits.com.tw or scan the QR code