SPECIFICATIONS

Product	MP740261
Voltage	220-230V~50Hz
Power	80W
Fuses	T1A(230V AC)
Temperature Range	150°C~480°C / 302°F~896°F - depends on tools attached
Temperature Accuracy	±10°C / ±18°F
Temperature Stability	±2°C / ±4°F
Heating element	High end quad-wire heater
Tip-to-ground impedance	< 2 Ω
Tip-to-ground voltage	< 2 mV
Working Environment	Temperature 0°C~40°C Relative humidity <80%
Storage Environment	Temperature -20°C~80°C Relative humidity <80%
Dimensions (mm)	175(L)x115(W)x95(H)mm
Weight	2.36kg Approx

INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronics Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Contact your local authority for details of recycling schemes in your area.

Made in China. LS12 2QQ
Man Rev 1.0

multicomp PRO

Model: MP740261 Soldering Station

Please read these instructions carefully before use and retain for future reference.

IMPORTANT SAFETY INFORMATION

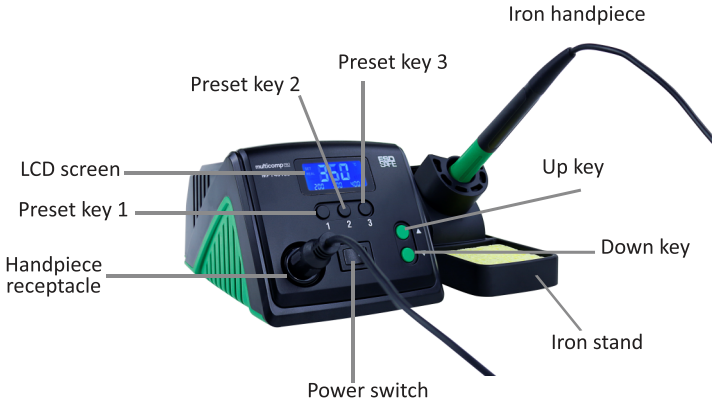
When using electrical appliances basic safety precautions should always be followed.

- Check that the voltage indicated on the rating plate corresponds with that of the local network before connecting the appliance to the mains power supply.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Do not leave the soldering station unattended, while it is powered on.
- Never touch the soldering tip or the surrounding metallic parts before the soldering tip has cooled down completely.
- Do not use the product near flammable items.
- Turn the power off when this product is not in use.
- The soldering iron must be placed on its stand when not in use.
- Before storage, turn the power off and allow the product to cool down to room temperature.
- Do not use this product for anything else other than that for which it is designed.
- Children should be supervised to ensure that they do not play with the appliance.
- Do not use this appliance with wet hands.
- Do not expose the soldering station to rain or moisture.
- Ensure there is sufficient space and ventilation around the appliance to allow the escape of heat and/or fumes.
- This appliance must be grounded.

WHAT'S INCLUDED?

- Control Station
- Soldering Iron
- Mains Lead
- Iron Holder with tip cleaner
- User Manual

OVERVIEW



b) In shutdown mode, soldering station is not in real power-off state which still consumes little energy as soldering station is well connected with power supply. To ensure safety, please turn off power switch or pull power plug out.

Figure 18

Figure 19

Figure 20

12. Touchtone function

12.1 In system setting mode, press ▼ to go to second setting page (Figure 8). Then press #3 to enter touchtone setting mode and display panel will show current touchtone setting status. Press ▼ or ▲ to set touchtone state and press #3 to save it.

Note: Beeping function is enable as setting content is "ON", and now there will arise short beep for each operation on control panel to call your attention.

Figure 21

Figure 22

13. Restore factory settings

12.1 In system setting mode, press ▼ to go to third setting page(Figure 8). Then press #1 to enter factory settings restoration mode. Press ▼ or ▲ to choose resetting page or not. After resetting, soldering station system settings will be reset as follows:

CAL (User temperature calibration value): Cleared.
FIN (fine-tuning): OFF
C-F (Temperature scales): Celsius
STB (Automatic Standby): OFF
SDN (Automatic shutdown): OFF
BL (Beeping): ON
Express temperature 1: 200℃
Express temperature 2: 300℃
Express temperature 3: 400℃

23

24

Troubleshooting

Fault Code Or Malfunction Description	Causes For Malfunction
E-0:Abnormal heating alarm of heater.	● Transformer damaged ● Power MOSFET damaged
	● Short circuit for heater or soldering iron wires
E-1: Abnormal heating-up alarming	● Open circuit for heating element. ● Connection error for heating element.
E-2: Open circuit alarming for sensors	● Heater damaged. ● Wiring error of heating element.

9. Switching temperature scales

9.1 In system setting mode, Press #3 to enter temperature scales setting mode and display panel will show current temperature scale now. Press ▼ or ▲ to switch temperature scales between Fahrenheit and Celsius, then press #3 to save it(Figure 13,Figure 14).

Figure 13

Figure 14

10. Setting automatic stand-by time

10.1 In system setting mode, press ▼ to go to second setting page(Figure 8). Then press #1 to enter stand-by time setting mode and display panel will show current stand-by time. Press ▼ or ▲ to set stand-by time and press #1 to save it.

Note: Stand-by time can be set between 1 minute and 120 minutes and stand-by function will be disabled as setting content is "OFF"(Figure 15).After enabling stand-by function, soldering station will enter stand-by state if no soldering work or any other control panel operations taken throughout during stand-by time, and the temperature will decline to 150 ℃ and be stabilized around 150 ℃.In stand-by state, picking solder iron handle or any operation on control panel can wake up soldering station and soldering station will continue to work in preset temperature value.

Figure 15

Figure 16

Figure 17

11. Setting automatic shutdown time

a) In system setting mode, press ▼ to go to second setting page(Figure 8). Then press #2 to enter shutdown time setting mode and display panel will show current shutdown time set value. Press ▼ or ▲ to set shutdown time as 1 minute ~ 120 minutes or OFF and press #2 to save it. It will disable automatic shutdown function as setting content is "OFF".

Note: Automatic shutdown function only can be enabled as automatic stand-by function set on. Soldering station will enter shutdown state, stop heating and don't turn off display panel until temperature has declined to 100 ℃ as the time in stand-by state exceeds preset shutdown time. After entering shutdown mode, any operation on control panel will make no sense after entering shutdown mode. The soldering station only can exit this mode after user switch power off and restart it.

Note: The first time you use the soldering iron, it may smoke slightly as the heating element dries out. This is normal and should only last for a few minutes.

ONLY USE FOR ELECTRICAL WORK - Acidic solder will damage the iron tip.

- Connect the plug on the soldering iron lead to the socket(s) on the lower front of the station.
- Place the iron(s) in their holders.
- Connect the mains lead to the socket on the rear and connect to the mains supply and turn on the power using the switch on the rear of the station. The LCD will illuminate when the power is on.
- After a short initial self test display indicating system version number the LCD will display the last set temperature for each channel.

LCD display Description:

① SET (Set Mode): indicate soldering station enter setting mode;
② REAL (Real Mode): indicate soldering station enter real-time display mode;
③ CAL (Calibration): indicate soldering station enter temperature calibration mode;
④ Show the temperature value stored in express store-and-retrieval channel 1
⑤ Show the temperature value stored in express store-and-retrieval channel 2
⑥ Show the temperature value stored in express store-and-retrieval channel 3
⑦ Analogue heating-up status bar to show current heating strength.
⑧ Indicate current temperature scale is Fahrenheit.
⑨ Indicate current temperature scale is Celsius.
⑩ Display soldering tip real-time temperature values.

Operational guide

1. Connection

① Plug soldering iron power end into receptacle on soldering station front panel and place soldering iron handle in soldering iron supporting stand.
② Plug power cord female plug into receptacle on soldering station rear panel.(Please assure power supplied is fit for this product) .

2. Power-on

Turn switch on after power cord connection. LCD display panel will display system version number for 1 seconds, then LCD display panel will show last set temperature value and show "SET" simultaneously(Figure 1).3 seconds later, display panel will show soldering iron real-time temperature value and "REAL" at the same time(Figure 2).

Screen Display

Figure 1

Figure 2

3. Setting temperature

In normal working state, press ▲ or ▼ to adjust temperature and enter temperature setting mode (Figure 4),"SET" will show on LCD display panel simultaneously. Pressing and holding ▲ or ▼ can adjust temperature quickly. Stop pressing will cause soldering station store setting value automatically and exit from temperature setting mode.

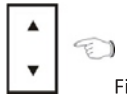


Figure 3

Figure 4

4. Storing and retrieving temperature values quickly

- Retrieve temperature values: in normal working state, press 1, 2, 3(Figure 5) to retrieve temperature values stored in memory and set retrieved value as current working temperature.
- Store temperature: in normal working state, press and hold (over 3 seconds) 1, 2, 3 to store current set temperature values into memory.

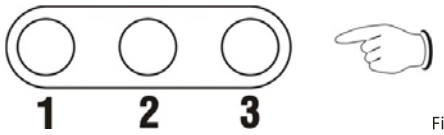


Figure 5

5. Locking operation keys

- In normal working state, pressing and holding 1, 2, 3 simultaneously over 3 seconds can lock current set temperature value. Now any operation on control panel will make no sense which indicate operation keys is locked.
- In key-locking mode, pressing and holding 1, 2, 3 simultaneously over 3 seconds can remove locking state as you want to.

Figure 6

6. System setting

6.1 As user need to set system parameters, user should enter system setting mode first. Press and hold ▲ and ▼ simultaneously over 3 seconds to enter system setting mode. User can turn setting pages by pressing ▲ and ▼ in system setting mode (Figure 7, 8, 9).

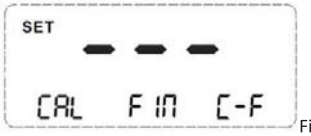


Figure 7

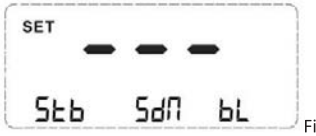


Figure 8

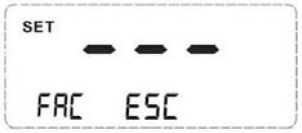


Figure 6

7. Manually temperature calibration

7.1 In first system setting page ,press 1 to enter temperature calibration mode, and "CAL" will show on display panel on which also shows last calibration value(Figure 10,calibration value is 0℃).

7.2 In calibration mode, press ▲ and ▼ to set calibration temperature values whose range is -50℃ ~ 50℃（-90℉~+90℉）.Calibration value will be negative as actual-measured temperature value is smaller than the value showed on display panel. Calibration value will be positive as actual-measured temperature value is bigger than the value showed on display panel.

7.3 Press #1 to store calibration temperature values after input calibration values.

Figure 10

Calibration method:

Please prepare temperature probe, measure soldering tip temperature and record it(Please add some solder on soldering tip to let soldering tip and probe contact closely). Denote actual measured temperature as T1(like 320℃) and denote displayed temperature value as T2(like 350℃).So calibration value should be -30℃(T1-T2) and then press ▼ to input "-30".

8 Trimming function is turned 8.Enable fine tuning.

8.1 In system setting mode, press #2 to enter fine tuning setting mode and display panel will show current fine tuning status now. Press ▼ or ▲ to enable or disable fine tuning function and then press #2 to save it.

Note: As setting content is "ON", the fine tuning function is turned on which make temperature adjusted at 1 digit for each pressing. Otherwise, temperature will be adjusted at 5 digits for each pressing. This is quite fit for different operation requirements.

Figure 11

Figure 12