

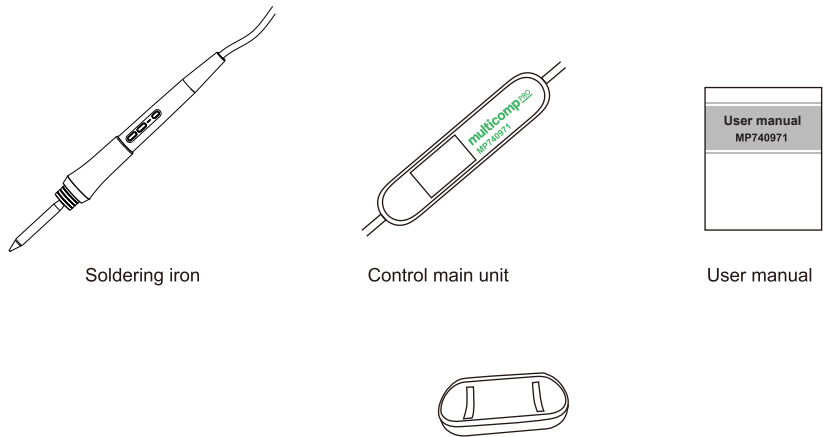
multicomp^{PRO}



Soldering Iron
MP740971

Packing list

- Soldering iron 1pc
- Control main unit 1pc
- Magnetic base 1pc
- User manual 1 pc



Magnetic base (with reusable self-adhesive rubber pad in the back)

Safety Information

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

Warning

When power is on, temperature of soldering iron tip might reach 100~500°C (212~932°F). Misuse may cause burns and fire, please strictly observe following precautions:

- Do not touch the soldering tip or metal part around it while in use
- Do not use it around combustibles
- Inform people around of the potential risk caused by high temperature when using
- Turn the power off when not in use
- Before replacing parts or tip, turn off the power and wait till the iron tip cools down to room temperature
- Do not use this product if you are inexperienced or have no sufficient necessary knowledge without the guidance of related qualified personnel
- Please keep it out of reach of children
- If the power cord is damaged, please ask the manufacturer or its service agent or similar qualified personnel to repair it, so as to avoid personal injury or damage to product

Please strictly observe following precautions, otherwise it may cause injuries

- Do not use this product for works other than soldering
- Do not hit the handle hard for removing tin on iron tip
- Do not modify this product
- Do not allow this iron to come into contact with water or use it with wet hands
- Disconnect from the mains supply after using
- Smoke will be emitted during soldering, please use it in well ventilated space
- Do not engage in other dangerous acts with this product

Note: Put the soldering iron on a holder when not in use

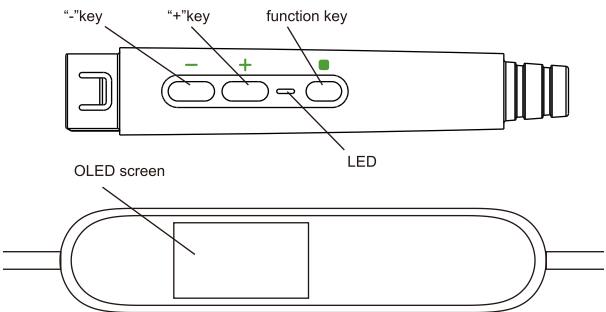
This appliance can be used by children aged from 8 years and above and persons with reduced physical,sensory ormental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.Children shall not play with the appliance.Cleaning and user maintenance shall not be made by children without supervision

Specification

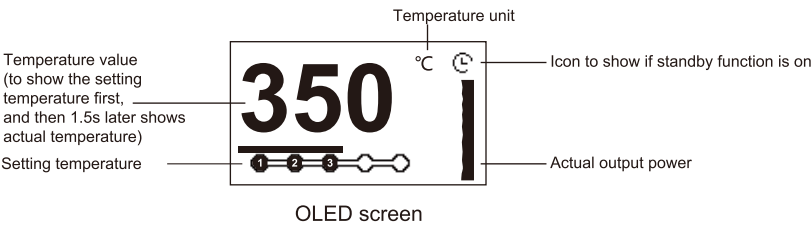
Model no.	MP740971
Input voltage	220-240V~, 50-60Hz
Power	80W
Temperature range	100—5 00°C(212-932°F)
Temperature stability	±2°C/±4°F(when temperature >200°C/400°F)
Temperature compensation range	±100°C/±180°F
Display method	0.96 inch OLED
Tip-to-ground impedance	<0.1Ω
Tip-to-ground voltage	<2mV
Heating element	T60 serial integrated active heater
Cable length	1.90m (handle cable length 1.25m)
Weight	160g
Note:specifications and appearance are subject to change for product improvement without prior notice.	

Operation

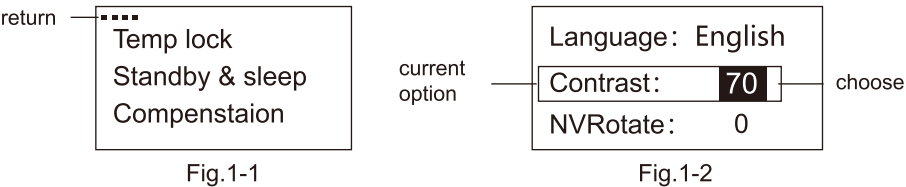
1. Operation steps and display



- “function key”: short press to enter / exit sleep mode, long press to enter menu;
short press to select option in menu, long press to exit menu
- “+” key: to increase one degree of temperature; to move to last option
- “-” key: to decrease one degree of temperature; to move to next option
- LED indicator: to show the working mode of heater(on means temperature increasing, off mean temperature has been reached)
- OLED screen: for digital readout



Long press the “function key”to enter menu, press “+”/ “-”to switch options. When you see “....”on top left of OLED screen(fig.1-1), press “function”key to return to last interface.



2. Switch on

Power on, the iron begins to heat up, screen shows LOGO, model no., and then temperature.

3. After use

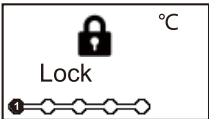
After use, please wipe off the soldering tip and apply new solder.

4. Temperature adjust

Temperature range is 100-500°C (212-932°F), temperature can be adjusted by “+” and “-” keys.

5. Temperature lock

Turn on/off lock function in the menu
When temperature lock function is on, the setting temperature is locked and cannot be adjusted. Now the screen displays the icon and“Lock”.



6. Standby & sleep function

- Set this function in the menu“standby & sleep”
 - 1) In“ standby temp”set the temperature in standby mode
 - 2) In“standby time”set the time it takes to enter standby mode. 0 means standby mode off.
 - 3) Standby time is up, it'll auto lower to setting standby temperature (If standby temperature higher than current temperature, then it keeps current temperature in standby mode, as Fig.6-1)

- 4) In “sleep time” set the time it takes to enter sleep mode from standby mode. 0 means sleep mode off.
- 5) Sleep time is up, hetaing is off, and it’ ll enter sleep mode, as Fig. 6-2.
- 6) Screen light off after 30s in sleep mode. Pick up handle or press keys to wake up the screen.

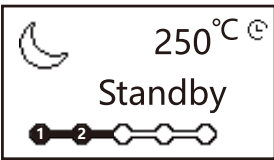


Fig. 6-1

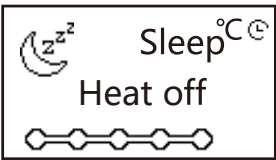


Fig. 6-2

7. Temperature compensation

- Input compensation value in “Compensation”
 - 1) Set temperature as 350°C (662°F) and wait for 2 minutes to let the temperature stabilise.
 - 2) Measure soldering tip temperature, for example the measured value is 340°C.
 - 3) Input the difference, in this example 10°C. Now the compensation is finished.

8. Precise temperature calibration

- Set calibration in menu
- Warning: this function can affect temperature control, input wrong data might cause temperature out of control!
- Note: please use precise temperature measuring device, and strictly input the actual measured value in Celsius degree.
- 1) Choose “Yes” in “Calibration” in menu to enter calibration
 - 2) Wait for 120s to let T1 temperature stable.
 - 3) When time is up, measure the soldering tip temperature, and input the temperature value by “+” / “-” keys, and press function key to confirm the action.
 - 4) Wait for 120s to let T2 temperature stable.
 - 5) Repeat step 3 to finish T2 temperature input, and finish calibration.

9. Interface setting

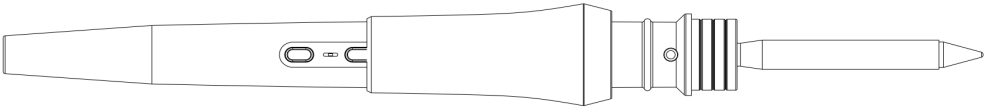
- Set “Interface” in menu
- 1) Language/ 语言 to select English or Chinese.
 - 2) “Contrast” to adjust the screen brightness level (1-100).
 - 3) NVRotate: 0/180 to switch display direction.

10. System Setting

- Enter “System” setting in menu
- 1) “Unit” to select temperature unit : Celsius/Fahrenheit
 - 2) FactorySet: No/Yes to reset parameters to original default value

11. Heater change

- When the heater needs changing, please disconnect the soldering iron first!
- Pull out the heater, now the screen shows “lack of heater, reinstall the heater and press function key to get back working mode.
- 1) After unplug the soldering iron, wait till the soldering tip cools down to room temperature.
 - 2) Push the handle silicone sleeve to its left until you see the screw, and unscrew it.
 - 3) Pull out the heater and replace with a new one, remember to push it fully home.
 - 4) Re-tighten the screw to secure the heater.
 - 5) Push the silicone sleeve to its right till it can cover the screw nicely.
- When replacing the heating core, select a core with the voltage corresponding to the local mains supply.



Maintenance

In order to make this product durable, please maintain it regularly. The loss rate of this product depends on the using temperature, the quality and quantity of soldering tin and soldering AIDS,etc. Please maintain it according to the specific use conditions.

Warning

Please pay close attention to the high temperature during operation. Please cut off the power and unplug the soldering iron after using.

- Soldering tip maintenance
 - 1) Set temperature to 250°C (480°F).
 - 2) After temperature gets stable, clean the soldering tip with brass wool, and check its condition.
 - 3) If there is black oxidation on it, apply new tin(with solder aid), and wipe it gently with brass wool until it is clean, then re-tin again.
 - 4) Please replace it when the soldering tip is visibly deformed, perforated or worn-out.

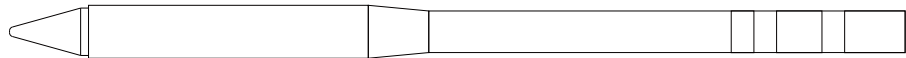
Troubleshooting Guide

Warning

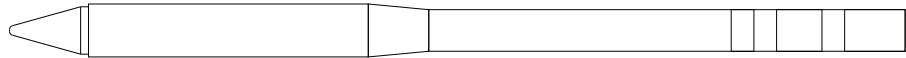
- When checking or replacing parts, be sure to pull out the power plug, otherwise there is a risk of electric shock
- If the power cord is broken, it must be sent to the manufacturer, agent shop or maintenance personnel with the same qualification for repair to avoid potential danger

Failure	Inspection method	Problem Solving
Not working after power on	Check if the mains plug is connected to the mains	Reconnect the power plug
Display shows “Lack of heater”	Check if there's heater in handle	Install heater
	Check if heater is installed correctly	Push in the heater to the end, install it fully - Retry installing heater again
	Check if heater is broken	If yes, change the heater
Display shows: Err:No heating	Check if heater is installed correctly	Push in the heater to the end, install it fully
	Check if heater is broken	If yes, change the heater
Soldering tip doesn't get hot enough	Check if heater is installed correctly	Reinstall heater
Solder won't attach to the soldering iron tip	Check if the soldering tip temperature is too high	Adjust to suitable temperature
	Check if there's oxidation on the soldering tip	Wipe off the oxidation with brass wool
Temperature of soldering tip is too low	Check if there's oxidation on the soldering tip	Wipe off the oxidation with brass wool
	Check if the soldering tip temperature is right	Adjust to suitable temperature
Can't reach setting temperature	Check if the temperature of soldering tip is correct	Adjust to suitable temperature
	Check if it's been calibrated	Calibrate the temperature according to instruction in the user manual

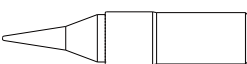
T60 integrated active tip



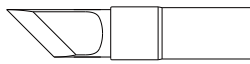
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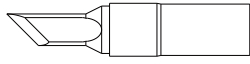
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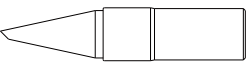
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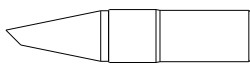
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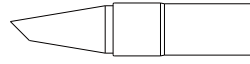
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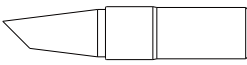
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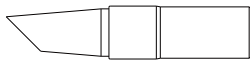
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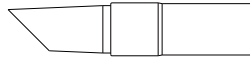
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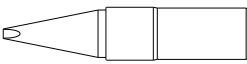
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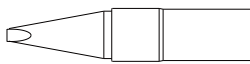
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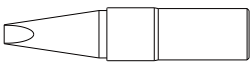
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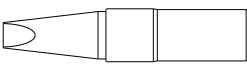
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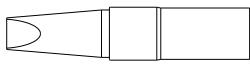
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MP740987



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 & Electronic 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.

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