JM601 Manual for intelligent soldering iron

User's Manual

Catalogue

Before the speech

Thank you for purchasing the products of Shenzhen JINGMEI technology imited company !

This user's manual describes how to use JM601 smart soldering iron correctly. Please read this user manual carefully before use.

◆   1.Whether the product model is the same as what you ordered. 2. Whether the product qualification certificate, user manual, warranty and other accessories are complete. 3. If the product is damaged during transportation, please contact us or your supplier to solve the problem as soon as possible。

◆   Before power on, please pay attention to check whether the input to the grid is within the rated parameter range, which may cause the product to fail to work properly, burn out or more serious consequences!

◆   Please ensure that the power input is well grounded, otherwise electric shock may occur!

◆   Due to product upgrade or specification update, and to improve the accuracy of the manual, the contents of this manual will be updated in time!

◆   If you have any questions after reading these instructions, please contact our customer service staff。

◆   Customer Service Phone：0755-2104-9179

1. Product Introduction

JM601 is a smart soldering iron with automatic sleep/shutdown, room temperature/input voltage display and other functions, which can be used for welding components and wires.

Features:

PID intelligent temperature control;

Temperature control range of 150~450℃;

Sleep/shutdown countdown display;

Room temperature/voltage display;

Power on select (Boot, sleep and shutdown can be set);

Support room temperature and voltage calibration functions;

Support multi-point correction iron temperature;

Support sleep/shutdown time, password setting;

Support simplified Chinese, traditional Chinese and English switch;

1.3-inch OLED display;

2. Technical Specifications

This chapter mainly introduces the function list of JM601 smart soldering iron, as well as its size, weight and other parameters.

Main interface basic functions:

Click: enter sleep or wake up, sleep temperature is 150℃;

Double-click: enter shutdown, click to boot

Long press 3 seconds: enter/exit menu options, long press 3 seconds in sleep/shutdown state to enter the menu.

Item	Explain	Parameter	Default
Sleep set	unit：min	0-99	10
Alarm voltage	Set the battery voltage alarm, unit: V when the battery voltage is lower than the alarm voltage, the buzzer will keep ringing the alarm. Note: if you want to turn off the alarm, you can lower the alarm voltage	0-25	10
Password setup	Step: enter the correct password -> enter the new password -> password switch selection Note: press and hold the key to restart the machine and wait for 6 seconds to restore the default password	0-99	123
Shutdown set	unit：min	0-99	20
Temp step	unit：step	1-30	10

Temp correction	If the temperature is not correct, the user can correct the temperature, a total of four points, such as: calibration 180 degrees, input the actual temperature of the corresponding iron 180 degrees can be corrected	0-450	-
Language option	For switching languages	简体、繁体、ENGLIAH	ENGLIAH
Sound toggle	Turn the buzzer on/off	ON/OFF	ON
NTC correction	Used to calibrate the current room temperature, calibration procedures can refer to temperature calibration	0-50	-
Vcc calibration	Used to calibrate the current power supply voltage, calibration steps can refer to temperature calibration	0-50	-
Boot option	Set the state of the soldering iron after power	Boot/ Dormancy /Power off	Boot
Edition	Current version number	The format as: JMI Vx.x.x	-
Factory reset	Restore some user-configurable parameters to factory defaults	-	-
Exit interface	Exit the menu and return to the main screen	-	-
Soldering iron size	HxWxD	38mm*88mm*110mm	
Package size	HxWxD	50mm*150mm*200mm	
Weight	Soldering iron	0.58Kg	
	Soldering iron+ Package	0.63Kg	

3. Quick start

This chapter briefly introduces the appearance and basic functions of JM601 smart soldering iron, so that you can quickly understand and use JM601 smart soldering iron.

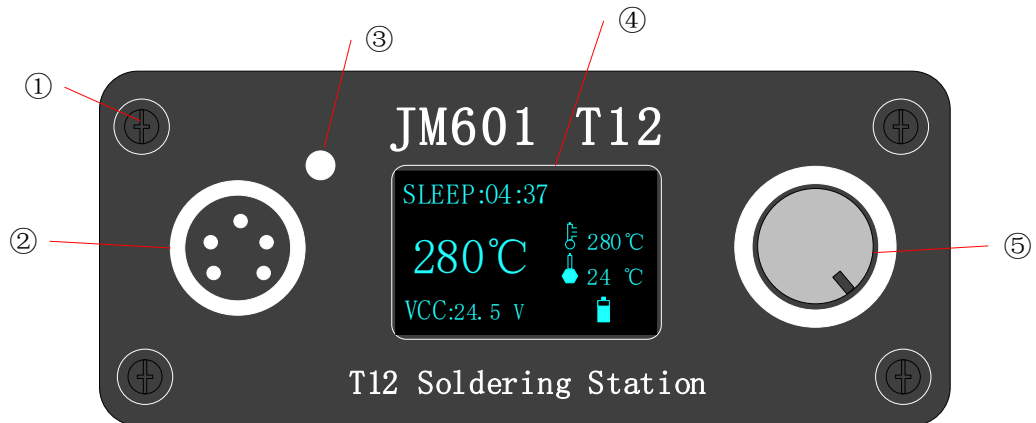## 3.1 Function introduction of JM601 intelligent soldering iron front and rear panel

Figure 1: front panel of JM601

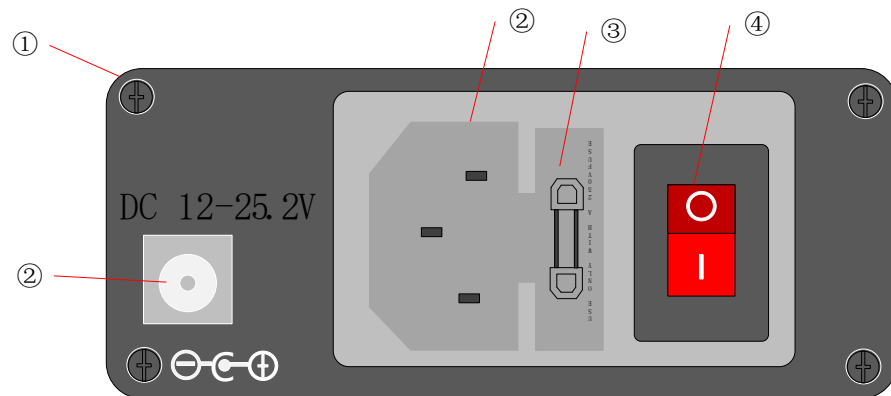①M3 ocation hole②Soldering head connection ③LED ④OLED ⑤Encoder

Figure 2: JM601 rear panel

①M3 ocation hole②Triangle socket③Input fuse ④Power switch ⑤12-25.2V DC supply socket

3.2 Basic operation

I. Main interface

Input the power supply cable from the power input port of the panel after JM601, turn on the power switch and enter the main interface. When the soldering iron temperature reaches the set value, the buzzer will beep (if the sound switch has been opened) to remind the temperature has reached the set value. The interface is shown as follows:

图三：JM601 主界面

①Sleep countdown　　③Current soldering iron temperature ④Setting temperature ⑤Indoor temperature⑥Battery/socket power icon（Currently power the battery）⑦Supply voltage

II. Menu list

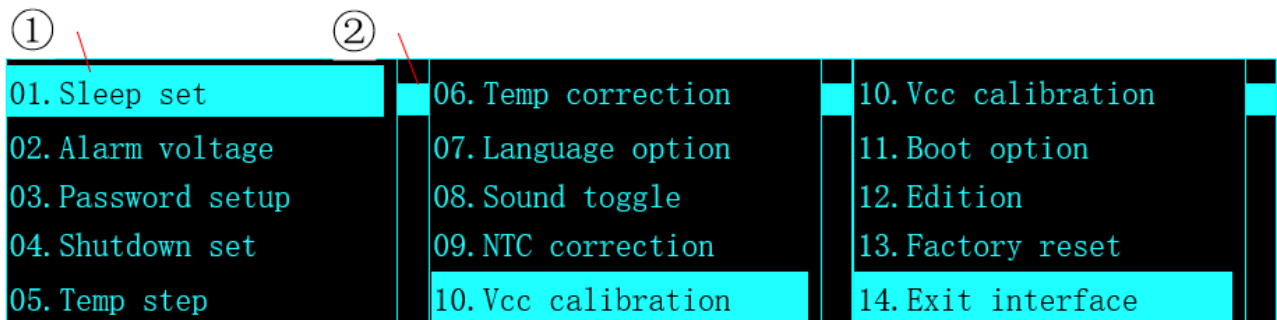Press and hold the button for 3 seconds in the main interface to enter the menu, as shown below:

Figure 4: JM601 menu interface

①Current function selection②Scroll bar

Rotate the encoder to switch the options, click the button to enter the options.

Description: after the parameter setting is completed, the interface will pop up a window displaying "OK". Rotate the encoder in any direction to exit the current option.

III. Examples of temperature calibration

Taking the calibration of 220 degrees as an example, the operation process after entering the menu is as follows:

1. Rotate the encoder to "06. Temperature calibration".

2. Click the button to enter the setting interface, and a popover of "->180 220 310 400" appears.

3. Rotate the encoder so that the arrow points to 220 degrees, the popover displays "180-> 220 310 400".

4. Click the key, and a popover displaying the value "220" will appear.

5. Rotate the encoder to the actual temperature value (for example, if the actual temperature value corresponding to the current 220 degrees is 230, rotate the encoder to 230).

6. Click the button and "OK!" appears. The information popup indicates that the calibration has been completed, and the encoder can exit by any rotation.

7. Rotate the encoder to the "14. Exit interface", click the key to return to the main interface, and let the soldering iron heat up.

4. Environmental requirements

Item	Parameter	Specifications indicators
Work environment	temperature	0℃-55℃
	humidity	Max:80%
	dirt	Pollution level 2
	altitude	Below 3000 metres
Storage environment	temperature	-30℃-70℃
	humidity	Max:90%

Maintenance bond

1. This product is guaranteed for two years from the date of purchase (as evidenced by the date of the bill).

2. The following conditions are not covered by the warranty:

A. Machine damage caused by improper transportation, use or storage after purchase (liquid intake, dampness, external extruding, falling, etc.);

B. Repair and transformation not approved by the company;

C. Damage caused by natural disasters (such as lightning, earthquake, fire, flood, etc.) and machine damage caused by secondary disasters;

D. Faults and damages caused by factors other than the machine;

E. Warranty card and purchase voucher, both of which are incomplete;

F. Product accessories are not covered by the warranty.

3. In case of product failure or damage, please fill in the product warranty card correctly and in detail.

4. The product warranty card shall not be reissued under normal circumstances. Please take good care of this card.

5. After the expiration of the warranty, we will provide you with paid maintenance service in order to provide you with more lasting and perfect service.

6. For the collection of maintenance fees, refer to the latest version of our company "maintenance price catalog".

7. If you have any questions during the service, please contact our agent or our company in time.

8. The right to interpret this agreement belongs to Shenzhen JINGMEI technology imited company.

Shenzhen JINGMEI technology
imited company

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