

AiXun

F3000

F3000 Farad Capacitor Spot Welder

User Manual

Operation instruction



Please read this manual carefully before use

1 Product Features

- Charging protocol: Support fast charging of PD/QC protocols.
- Design of large capacitor: Adopt two 2.8V 3000F large capacitors, ensure sufficient power storage.
- Powerful charging ability: 5.6V battery and 9V battery connected in series, achieve fully charged status of the capacitor, provide longer use time.
- Upgrade online remotely: Support to upgrade on PC remotely, continuous update on the parameters of spot welding mode, adjust parameter settings through AiXun Assistant flexibly.
- Multiple-channel control of MOS: Controlled by 6 MOSFET tubes, support strong output of soldering, improve working efficiency
- Multiple working modes: Support high output power mode, convert aluminum to nickel mode and no nickel converted mode, easy to operate, no additional settings required.

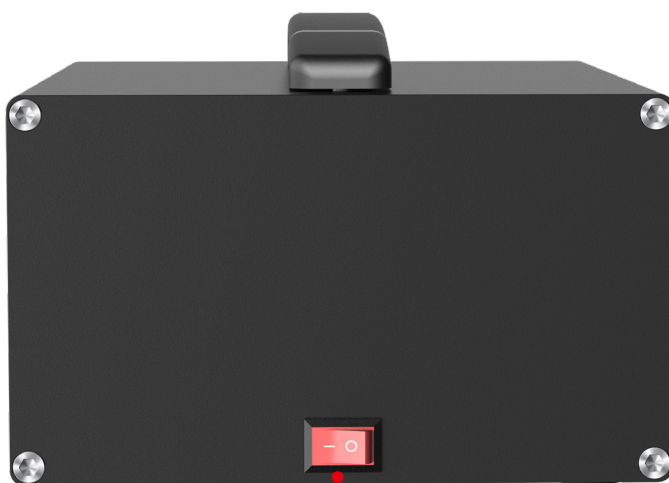
2 Structure introduction

|| The front side of the product



Button “M” : Single press to switch convert aluminum to nickel mode
no nickel converted mode and high output power mode
Long press to enter into setting interface, serve as confirm button in setting interface

|| The back side of the product



power switch

|| Product Accessories



Spot welding tip*2



Type-C charging cable*1



User manual card *1



Spot welder fixture for battery*1



Spot welding probe*2

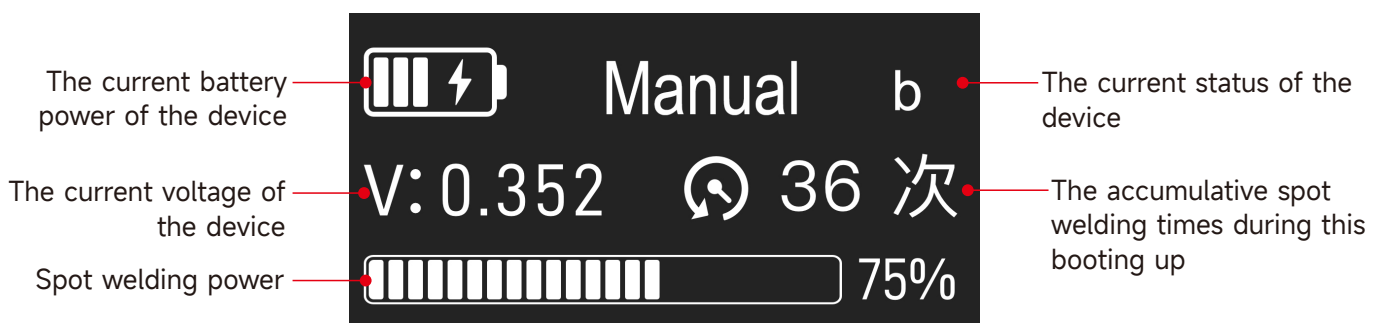


Certificate*1

3 Product parameter

Product name: Farad Capacitor Spot Welder	Model: F3000
Capacitor: 2.8V 3000F*2	Size: 203*127*86mm
Charging voltage: 9V	Max current: 3.0A
Material: Aluminum shell+stainless steel plate	Color: Black
Accessories: Spot welder fixture for battery+capacitor spot welder probe 495mm x2pcs	

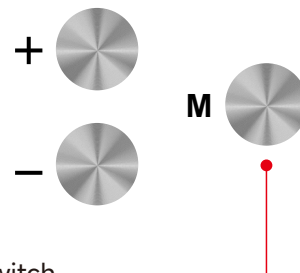
4 Button and Main Interface Introduction



Button "+": It can increase power
It supports to make option selection in setting interface

Button "-": It can decrease the power
It supports to make option selection in setting interface

Button "M": Single press to switch
Convert aluminum to nickel, no nickel converted and high output power
Long press to enter into setting interface
Serve as confirm button in setting interface



5 Basic operation for the product

- 1. Turn on the device, single press button "M" to enter into the main interface, and insert the two packaged "black and red" spot welding probes into F3000 Farad Capacitor Spot Welder.
(Note: Insert the black spot welding probe into the "blue port" of the host. Insert the red spot welding probe into the "red port" of the host.)



- 2. Connect Type-C cable to F3000, charging is available after charger is connected. Achieve 90% battery power within 10 minutes, 200 times spot welding is available under full charging status. (Note: Support fast charging of chargers above 9V)



- 3. Users can switch spot welding modes according to different products, single press button "M" to switch between the three modes of "convert aluminum to nickel, no nickel converted and high output power"
- 3.1.If the users need to set the power by themselves, single press button "+" to increase the power, and press button "-" to decrease the power

6 The basic operation of spot welder fixture for battery

- 1 Connect spot welder fixture for battery to any one of the port of F3000 device



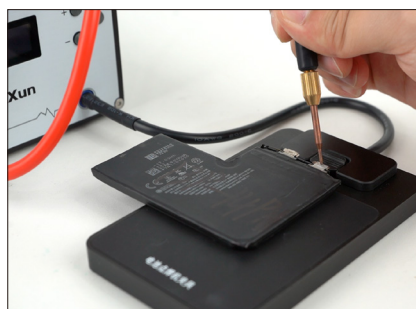
- 2 Install the cell: Place the cell of battery on the surface of "copper block" of spot welder fixture for battery, adjust "the slide block of spot welder fixture" to clamp the spot welding position of the cell



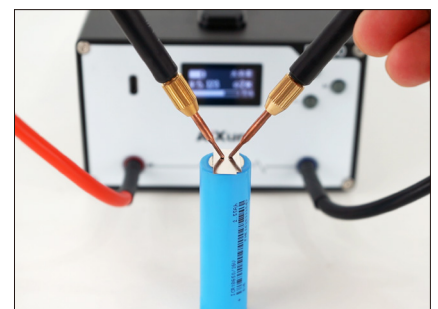
- 3 Single press button "M" to switch spot welding mode



[Convert aluminum to nickel mode]



[No nickel converted mode]

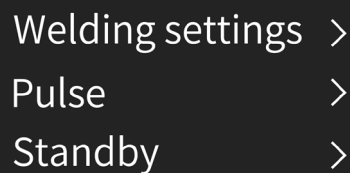


[High output power mode]

- 4 Start spot welding: Press hard the spot welding tip of the probe, ensure good contact between the tip and nickel plate without suspension in midair or poor contact and so on, welding is not completed until the welding current is output.

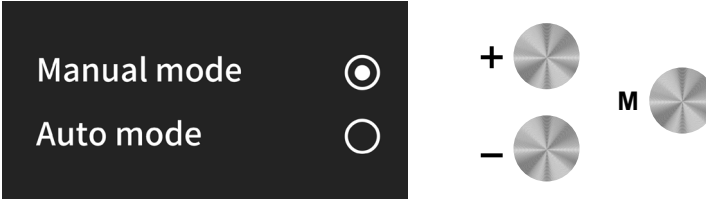
7 Setting

- 1、 Long press button “M” to enter into the setting interface of F3000



Welding settings >
Pulse >
Standby >

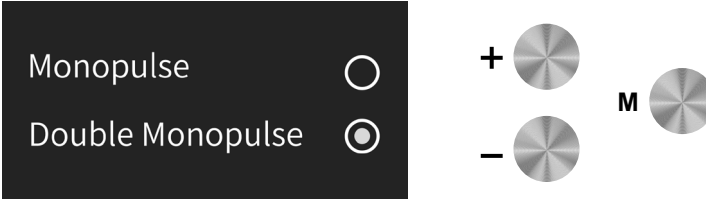
- 2、 “ Spot welding mode, pulse settings, automatic standby, sound settings, language settings” can be adjusted



Manual mode
Auto mode

+ M -

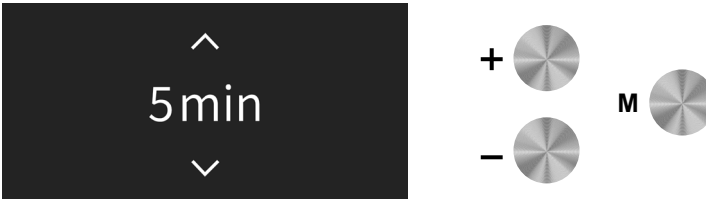
- 2.1 Single press button “M” to enter into the interface of spot welding mode, single press button “-” or “+” to switch “manual mode or automatic mode”, long press button “M” to exit the spot welding mode



Monopulse
Double Monopulse

+ M -

- 2.2 Single press button “-” to switch to “Pulse settings”, Monopulse and Double pulses can be set



5min

+ M -

- 2.3 Automatic standby: Users can set the automatic standby time here, minimum is 5 minutes, maximum is 100 minutes. Press button M to activate the device after standby is done

8 Installation operation for spot welding probe



Step one

Unscrew the nuts in front of the two spot welding probes

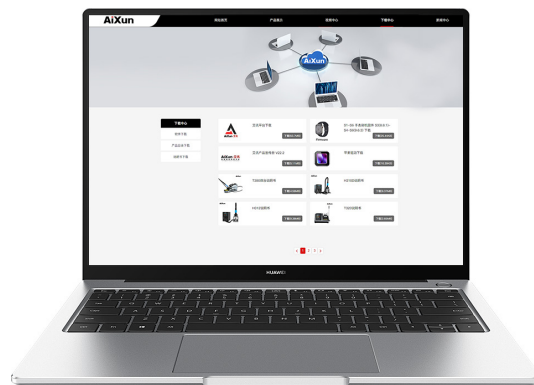


Step two

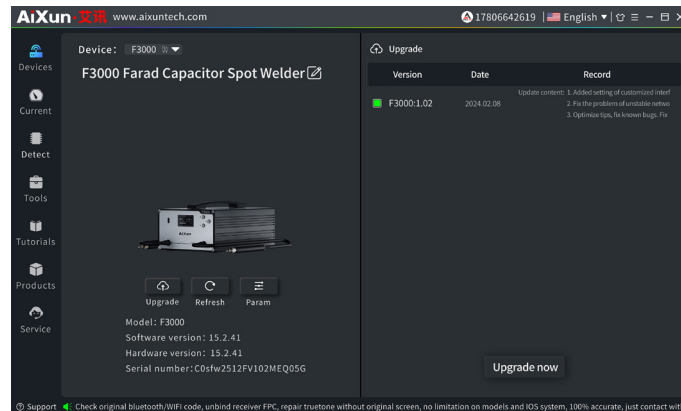
Place the spot welding tips into spot welding probes and screw the nuts

9 Upgrade operation of the device

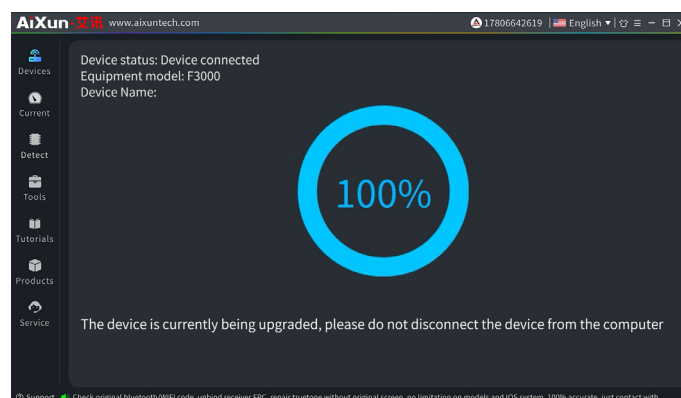
1. Unlock the computer and download AiXun Assistant from AiXun official website www.aixun.com.



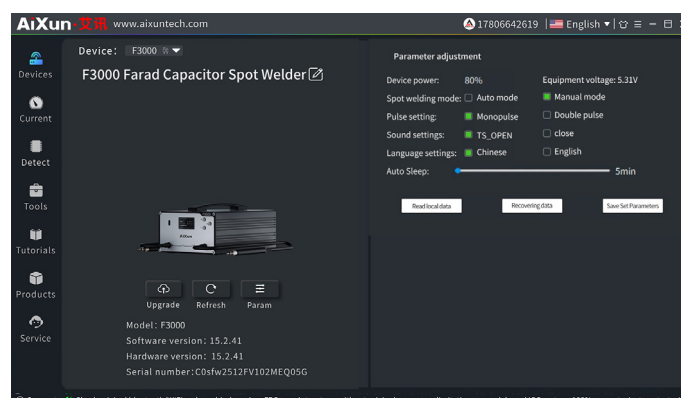
2. Log in AiXun Assistant on the computer, connect the device to the computer host with Type-C To A data cable. After turning on the power switch of F3000, long press the "M" key on the device immediately until you hear the "beep" sound of the device, AiXun Assistant will recognize the device automatically.



3. Select the latest version number of the device, click the "Upgrade" button on the interface of AiXun Assistant to upgrade it to the latest software.



4. Users can also set the parameters of F3000 on AiXun Assistant platform: click the "Parameters" button on the interface of AiXun Assistant, and click "Keep Set Parameters" to complete the setting. You can also use the functions of local data reading and data restoring by single clicking corresponding button.



10 Precautions

- ◆ The high temperature produced by the spot welder in the process of using may cause fire. Using it in flammable environment is prohibited.
- ◆ Continuous long-term use may cause overheat of the spot welder. Please arrange the time of using reasonably to avoid overheating damage to the device.
- ◆ When using the spot welder, please pay attention to protect the surrounding people and device to avoid accidental injury or damage to other items.
- ◆ Please turn off the power switch when the spot welding machine is on standby to ensure the safety of the device.
- ◆ When the spot welder is not used for a long time, it is recommended to unplug the power cord and store it properly to protect the service life of the equipment.
- ◆ Keep out of the reach of children to prevent touch.
- ◆ Please do not wet the farad capacitor spot welder, do not use the spot welder with wet hands.
- ◆ Please do not make any change to the spot welder without authorization, and the original factory parts shall be used when replacing parts.
- ◆ Please strictly follow the user manual to use it.
- ◆ If any malfunction or abnormality is found in the spot welding machine, please stop using it immediately and contact professionals for maintenance.

11 After sales

● Warranty regulations:

- This product is guaranteed for one year from the date of purchase (subject to the purchase certificate).
- The warranty service is only valid under normal use. Any man-made damage, such as the use of inappropriate accessories, failure to use in accordance with the instructions, damage caused by non-official maintenance, wrong use or negligence, the warranty service will be invalid immediately.
- AiXun company has the final right to interpret the above regulations for users who do not comply with the above regulations.

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