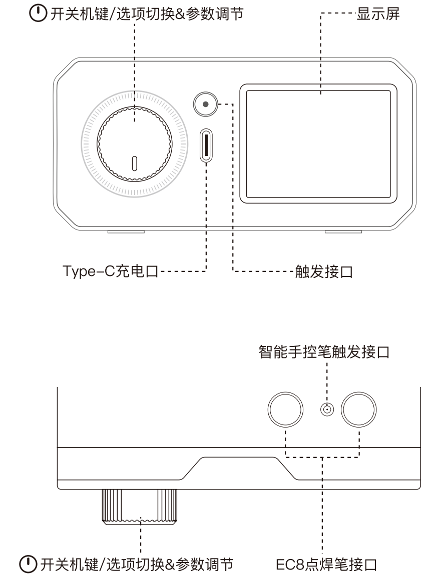
AWithZ 阿威兹

UK3点焊机使用说明书

UK3 Spot Welder Instruction Manual

一、产品相关介绍

产品面板



按键说明

1. 开关机键/选项切换&参数调节 ⏻

(1) 开关机键

长按2秒：开机与关机。

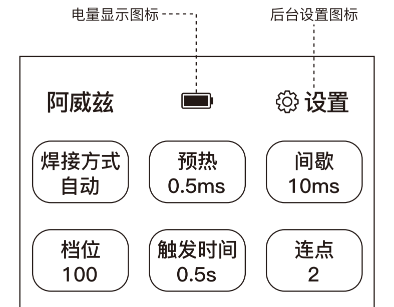
短按：选中设置选项/确认设置选项参数

(2) 选项切换&参数调节 ⏻

选项切换：未选中设置选项状态，旋转旋钮依次切换设置选项；

参数调节：选中设置选项状态，旋转旋钮调节该设置选项参数。

显示屏图示



二、使用步骤

使用步骤

1. 使用前，请给点焊机充电。长按 " ⏻ " 2秒开机，旋转 " ⏻ " 依次切换设置选项。光标停留至所需设置选项，短按 " ⏻ " 选中，进入参数设置，旋转 " ⏻ " 进行参数调节，设置完毕后短按 " ⏻ " 确认、退出当前选项设置状态。其他设置选项的参数调节步骤如上述操作。

2. 进行焊接作业，建议正式焊接前进行焊接测试，手动模式下需使用手动触发装置接入触发接口进行焊接，例如脚踏开关，需接入DC接口，手动模式下每脚踏一次，触发一次。

点焊18650电池步骤（自动模式为例）

1. 保证电池两端和镍片平整洁净无锈蚀、建议点焊机满电状态下进行焊接。

2. 手持点焊笔，设定好点焊机档位等参数，适当用力按压使焊针与镍片、镍片与电池接触良好、无悬空、无接触不良。

3. 等待焊接电流输出。

注：您可以尝试不同档位与按压力度，直至焊接强度达到最高，需要注意，并不一定档位越高焊接越牢，请多加练习。

后台设置步骤

1. 旋转 " ⏻ " 切换光标至 " ⚙ **设置** " 图标，短按 " ⏻ " 进入后台界面。旋转 " ⏻ " 切换光标停留至 " ⚙ **系统设置** "，短按 " ⏻ " 键进入设置操作。

2. 旋转 " ⏻ " 切换依次切换后台设置选项，光标停留至所需设置后台选项，短按 " ⏻ " 选中，进入参数设置，旋转 " ⏻ " 进行后台参数调节，设置完毕后短按 " ⏻ " 确认、退出当前选项设置状态。其他设置选项的参数调节步骤如上述操作。

3. 后台设置完毕，旋转 " ⏻ " 切换光标至 " ↩ **返回主菜单** "，短按 " ⏻ " 返回主菜单。再旋转 " ⏻ " 切换光标至 " ↩ **返回** "，短按 " ⏻ " 返回主界面。

三、功能说明

焊接方式：自动/手动。手动模式下需接入手动触发装置进行焊接，例如脚踏开关、智能手控笔。

预热：用于去除焊接材料上的氧化层。

间歇：预热后到正式焊接时的间隔时间。

档位：输出功率等级。

触发时间：当焊笔接触焊接物并形成回路时，触发正式焊接输出的时间。

连点：触发焊接后，在焊笔不移动的情况下，连续焊接的次数。

后台设置说明

- EN **语言**，设置系统语言。
- **连点间隔**，设置连点时连续点焊的间隔时间。
- **焊接声音**，设置音量等级。
- **屏幕亮度**，设置屏幕的显示亮度。
- **定时关机**，设置设备在经过多长时间无操作后自动关机。
- **恢复出厂**，将设备恢复出厂初始值(语言除外)。
- **返回菜单**，返回菜单。

四、特别说明

温控保护

放电保护：系统检测内部温度>60℃或<-4℃时，放电保护开启，点焊功能关闭且屏幕显示 " 温度异常！"，待点焊机内部温度恢复至0℃~56℃之间时，点焊功能恢复。

充电保护：系统检测内部温度>60℃或<-4℃时，充电保护开启，禁止充电且屏幕显示 " 温度异常！"，待点焊机内部温度恢复至0~56℃之间时，充电功能恢复正常。

充电注意事项

1. 当电量低于25%，输出功率将会下降，点焊效果会减弱，点焊时保持电量在75%以上效果最佳，本产品支持边充边用。

2. 当点焊机电量不足时请及时充电，使用电压5V的充电器即可充电，建议使用5V/2A以上的充电器，以达到更快的充电效果。

3. 产品充电时，显示屏的电量标志闪烁，充满后显示满格电量并且停止闪烁，表示充电完成。

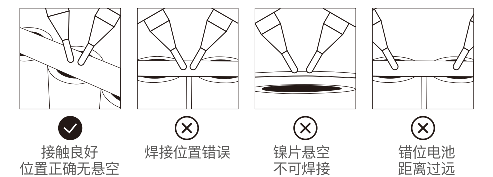
存放注意事项

1.请充满电后再存放，并且每隔2~3个月左右重新充放电一次，以保持电池活性。

2.存放处应保持环境干燥，禁止存放在潮湿的环境，存放环境温度需保持在10℃至40℃之间。

焊接指导

点焊效果受点焊力度、操作手法、环境温度等因素影响，不同使用者熟练程度不同，点焊厚度及效果也有所不同，建议多加练习。


✓ 接触良好 位置正确无悬空
⊗ 焊接位置错误
⊗ 镍片悬空 不可焊接
⊗ 错位电池 距离过远

五、注意事项

1. 禁止自行改造、拆解、修理本产品。

2. 严禁使产品接触任何液体，请勿将产品浸入水中或将其弄湿； 切勿在雨中或者潮湿的环境中使用机器。

3. 禁止暴力对待本产品，避免碰撞和挤压。

4. 请放置在孩童接触不到的地方。

5. 禁止用手触摸点焊笔头裸露部分，以免烫伤。

6. 产品建议在环境温度15℃至50℃之间使用。

六、产品参数

基本规格

产品名称	小型便携式点焊机
产品型号	UK3
点焊模式	手动/自动
产品尺寸	约100.5*48*150mm

输入

输入接口	Type-C充电口
输入电压	5V (MAX)

其 它

工作温度	0~60℃ (±5℃)
充电温度	0~60℃

七、故障排除

故障描述	可能原因	解决办法
无法开机	电量不足	连接充电器充电
	电池过放	联系客服
	电池故障	联系客服
充不进电	充电器/充电线损坏	更换充电器/充电线
	充电接口故障	联系客服
无输出 焊不牢、镍片焊穿等焊接效果不佳	电量过低	给设备充电
	镍片不平整/锈蚀	保证电池与镍片平整洁净无锈蚀
	电流过大/过小	多多练习
	被焊接材料错误	更换合适的材质类型
输出不受控制	控制器损坏	联系客服
低电量/温度异常界面不转变 屏幕界面丢失 花屏/乱码	屏幕或电路故障	1.重新开关机，充电或者静置一段时间，然后再开机使用。 2.联系客服

八、售后服务与支持

保修条例（当产品需进行保修时，请出示本保修卡）

自您签收之日起7日内，本产品出现非人为性能故障的情况；经由售后检测确定，可免费享受退换货。

非保修条例

1.未经授权的维修、拆装、改动等，或撕毁涂改标签及防伪标记。

2.因不可抗力/人为造成的损坏。

3.因未按照说明书的操作步骤使用导致的性能故障。

售后注意事项

1.退换货产品不得影响二次销售，需原样发回产品及赠品。如质量问题导致退换，请先垫付邮费，待我们收到货返还。

2.非质量原因导致退货，若赠品已使用过，需扣除赠品费用。

3.不在保修范围内的产品，我司可提供有偿维修服务。

用户信息

姓　　名: ______________　　联系电话: ______________

订单编号: ______________　　购买日期: ______________

地　　址: ____

合 格 证

产品检验: 合格

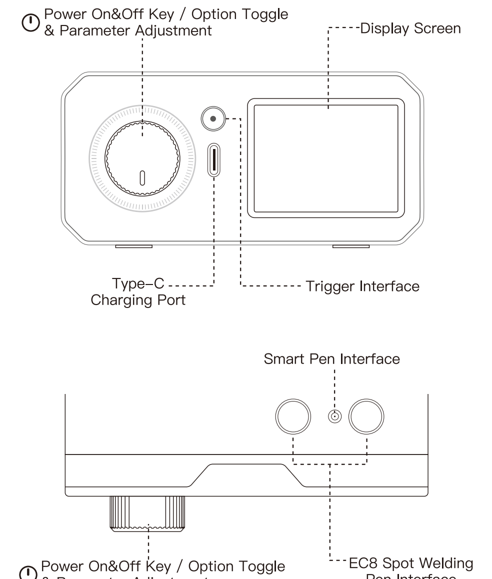
质 检 员 : 18

AWithZ

UK3 Spot Welder Instruction Manual

Basic Product Introduction

Panel Introduction


⏻ Power On&Off Key / Option Toggle & Parameter Adjustment
Display Screen
Type-C Charging Port
Trigger Interface
Smart Pen Interface
⏻ Power On&Off Key / Option Toggle & Parameter Adjustment
EC8 Spot Welding Pen Interface

Key Description

1. Power On&Off Key / Option Toggle & Parameter Adjustment ⏻

(1) Power On&Off Key

Press and hold 2 seconds: Power ON&OFF.

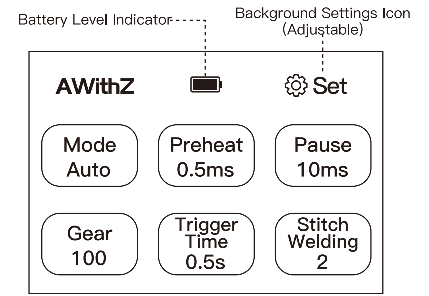
Short press: Select a setting option / Confirm parameter adjustment.

(2) Option Toggle & Parameter Adjustment ⏻

Option Toggle: When no option is selected, rotating the knob switches between setting options.

Parameter Adjustment: When an option is selected, rotating the knob adjusts its parameter.

Display Screen



Steps for use

Steps for use

1. Before use, please charge the spot welder. Press and hold the " ⏻ " button for 2 seconds to power on. Rotate the " ⏻ " knob to switch between setting options. When the cursor stays on the desired setting option, briefly press the " ⏻ " button to select it and enter parameter setting mode. Rotate the " ⏻ " knob to adjust the parameters. After setting, briefly press the " ⏻ " button to confirm and exit the current option setting. The parameter adjustment steps for other setting options follow the same procedure as described above.

Steps for 18650 Battery of Spot Welding (Auto mode)

1. Make sure both ends of the battery are flat and clean without rust and corrosion.

2. Make sure the nickel sheet is flat and clean.

3. Install the spot welding pen, set the spot welding machine parameter, press properly to make good contact between the welding needle and nickel sheet, nickel sheet and battery, no overhang, no poor contact.

4. Wait for the welding current output.

Note: You can try different output power levels and pressing pressures until the welding strength reaches its maximum. Please note that a higher power level does not necessarily result in a stronger weld, so practice is recommended.

Steps of backstage setting

1. Rotate the " ⏻ " knob to move the cursor to the " ⚙ **Set** " icon, then briefly press the knob to enter the backstage settings interface. Rotate to " ⚙ **System Settings** " icon and press the knob to enter the setting operation.

2. Rotate the " ⏻ " knob to cycle through backstage setting options. When the cursor stays on the desired setting option, briefly press the knob to select it and enter parameter adjustment mode. Rotate the " ⏻ " knob to modify the parameters. After completing adjustments, briefly press the knob to confirm and exit the current setting. Other setting options follow the same adjustment procedure as described above.

3. After completing backstage settings, rotate the " ⏻ " knob to move the cursor to " ↩ **Return to Main Menu** ", then briefly press the knob to return. When the cursor stays on the " ↩ **Return** " briefly press the knob to return to the main interface.

Function Description

Mode: Welding mode, auto/manual, manual mode requires a trigger device (e.g., foot pedal, smart pen) for welding.

Preheat: Used to remove the oxidized layer on the welding material.

Pause: The interval between preheating and formal welding.

Gear: Output power level.

Trigger Time: The output time to trigger the formal welding when the welding pen touches the weld object and forms a circuit.

Stitch Welding: Number of consecutive spot welds without removing the spot weld pen.

Description of backstage settings

- EN **Language**, Set the display language of the device.
- **Interval Time of Continuous Spot Welding**, Set the temporal interval between number of continuous spot welding when welding continuously.
- **Welding Sound**, Set the sound level.
- **Screen Brightness**, Set the display brightness of the screen.
- **Timed Shutdown**, Set the time of automatic shutdown without operation.
- **Restore Factory Settings**, Restore all values to the default data, except language settings.
- **Return to main menu**, Return to the main menu.

Special Instructions

Temperature control protection

Discharge protection: When the system detects the internal temperature >60℃ or <-4℃, the discharge protection will be turned on and the spot welding function will be closed, and the screen will show "Temperature Anomaly", and it will be resumed when the internal temperature recovers to 0℃~56℃.

Charge protection: When the system detects the internal temperature >60℃ or <-4℃, the charge protection is on, the system will prohibit charging and the screen will show "Temperature Anomaly", and the charging function will return to normal when the internal temperature recovers to 0℃~56℃.

Charging Precautions

1. When the power level is lower than 25%, the output power will be reduced, welding effect will be weakened, so keeping the power level at 75% or more will have the best effect, this product supports charging while using.

2. When the spot welder is low on power, please charge it in time, use a 5V charger to charge, we recommend using a 5V/2A or higher charger for faster charging effect.

3. When the product is charging, the power symbol on the display screen will flashing, and it will show full power and stop flashing when full charged, indicating that the charging is complete.

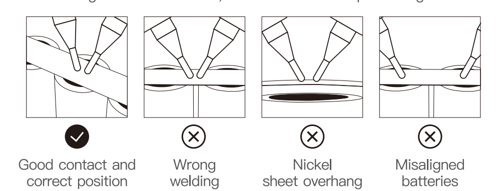
Storage Precautions

1. Please store the product after fully charged, and recharge and discharge it every 2~3 months or so to keep the battery active.

2. The storage place should keep dry, prohibit storage in a humid environment and the ambient temperature should be maintained between 10℃ and 40℃.

Welding Instruction

The effect of welding is affected by the welding strength, operation technique, ambient temperature and other factors, different users have different proficiency, the thickness and effect of welding are also different, so we recommend practicing more.


✓ Good contact and correct position without overhang
⊗ Wrong welding position
⊗ Nickel sheet overhang Non-weldable
⊗ Misaligned batteries too far away

Precautions

1. Do not modify, disassemble or repair this product on your own.

2. Do not make the product contact with any liquid, please do not immerse the product in water or make it wet; do not use the machine in the rain or humid environment.

3. Prohibit violence to the product to avoid collision and extrusion.

4. Please keep the product out of reach of children.

5. Do not touch the exposed part of the welding tip with your hands to avoid burns.

6. The product is recommended to be used in ambient temperature between 15℃ and 50℃.

Product Parameter

Basic Specification

Product Name	Mini Portable Spot Welder
Product Model	UK3
Welding Mode	Manual/Auto
Product Size	100.5*48*150mm

Input

Input Interface	Type-C Charging Port
Input Voltage	5V

Others

Operating Temperature	0~60℃ (±5℃)
Charging Temperature	0~60℃