AWithZ 阿威兹

HD2点焊机使用说明书
HD2 Spot Welder Instruction Manual

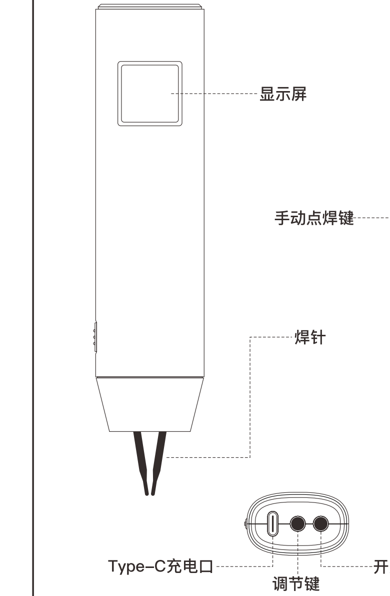
⚠ 注意：可换针版本请确保焊针冷却至室温再进行焊针拆卸、更换，以免烫伤！

温馨提示：

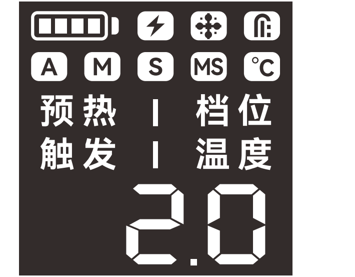
1. 可换针版本请使用外径3mm十字螺丝刀进行拆卸。
2. 点焊机焊接时产生高热，请勿触碰焊针及焊针周围部件，以免烫伤。
3. 可换针版本推荐焊接间距为0.8mm，若焊笔间距太大，可能会影响焊接效果。
4. 如遇焊针不易取出，请使用钳子拔出。

一、产品相关介绍

产品面板



界面图示



🔋⚡：电量及充电图标

❄ 🌡：温度异常图标

A M：焊接模式，自动A/手动M

S MS：触发、预热设置项单位，分别表示秒、毫秒。

按键说明

1. 开关机键/选项切换键

长按2秒：开机与关机。

短按：依次切换设置选项。

长按8秒（开机状态下）：恢复出厂设置。

2. 调节键

短按：对选中的设置选项进行参数调节；

长按：对选中的设置选项参数进行快速调节（档位项长按切换整数位、小数位,短按调节参数）；

3. 手动点焊键

长按：切换焊接模式，自动 A 或手动 M；

短按：手动 M 模式下，当焊针与焊接物接触，需短按“手动点焊键”触发焊接。

二、使用步骤

使用步骤

1. 使用前，请给点焊机充电。长按“开关机键/选项切换键”2秒开机，短按“开关机键/选项切换键”依次切换设置选项。光标停留至所需设置选项，短按“调节键”，调节该设置项参数值。当前设置项参数调节完毕，短按“开关机键/选项切换键”切换至其他设置选项，设置选项参数调节如上述操作。

2. 进行焊接作业。建议正式焊接前进行焊接测试，推荐使用自动模式。手动模式下需短按“手动点焊键”触发焊接，每短按一次，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。

2. 手持点焊机，设定好点焊机档位，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（建议点焊机焊针倾斜45度焊接）。

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。

三、功能说明

A M 焊接模式，自动 A /手动 M，手动模式下需短按“手动点焊键”触发焊接，每短按一次，触发一次。

预热： 用于去除焊接材料上的氧化层。

档位： 输出功率等级。

触发： 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。

四、特别说明

温控保护

放电保护： 系统检测内部温度>60℃或<-10℃时，放电保护开启，点焊功能关闭且屏幕显示“❄”或“🌡”，待点焊机内部温度恢复至-6℃~56℃之间时，点焊功能恢复。

充电保护： 系统检测内部温度>60℃或<0℃时，充电保护开启，禁止充电且屏幕显示“❄”或“🌡”，待点焊机内部温度恢复至4~56℃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，显示屏的电量标志会出现闪烁，充满后显示满格电量并且停止闪烁，表示充电完成。

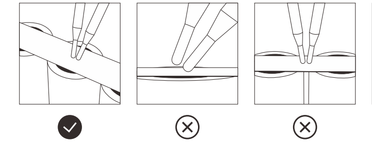
存放注意事项

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。



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	HD2
点焊模式	手动/自动
产品尺寸	约45*28*202mm

输入/输出	
输入接口	Type-C充电口
输出电压	4.2V（MAX）

电　池	
工作温度	-10~60℃（±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

Version: 300726

AWithZ

HD2 Spot Welder Instruction Manual

⚠ WARNING:

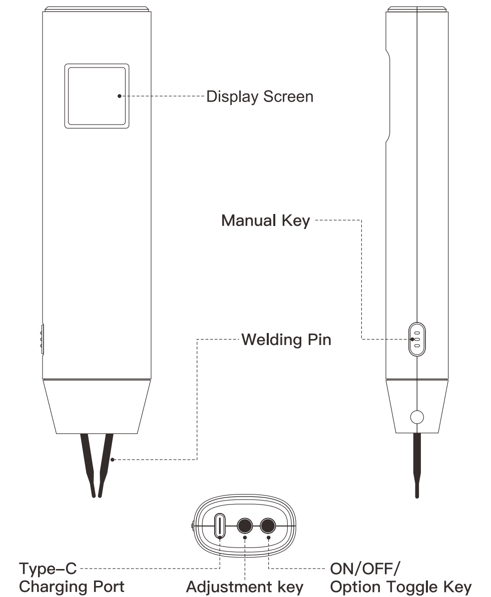
For the interchangeable soldering pin version, please make sure the soldering pin cools down to room temperature before removing and replacing it to avoid burns!

Warm tips:

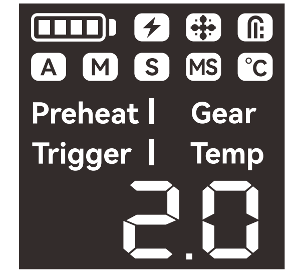
1. Please use a 3mm OD Phillips screwdriver to disassemble the interchangeable pin version;
2. The spot welder generates high heat when welding, please do not touch the welding pins and the parts around the pins to avoid burns.
3. The recommended soldering pitch for the interchangeable pin version is 0.8mm, if the pitch of the soldering pens is too large, it may affect the soldering effect.
4. If the pin is difficult to remove, please use pliers to pull it out.

Basic Product Introduction

Panel Introduction



Display Screen Diagram



🔋⚡: Battery level and charging icon;

❄ 🌡: Temperature abnormal reminder icon;

A M: Welding mode, Auto/Manual;

S MS: Trigger and preheat setting item unit, indicating seconds and milliseconds.

Key Description

1. ON/OFF/Option Toggle Key

Press and hold for 2 seconds: Power on and off.

Short press: Switch setting options sequentially.

Press and hold for 8 seconds (In power-on state): Restore factory settings.

2. Adjustment key

Short press: Adjust the parameters of the selected setting options;

Press and hold: Adjust the parameters of the selected setting options (Press and hold the gear item to switch between integer and decimal places).

3. Manual Key

Press and hold for 2 seconds: Switch welding mode, auto A or manual M;

Short press: In manual mode M, when the welding pin is in contact with the welding object, you need to press the "Manual Key" to trigger the welding.

Steps for Use

Steps for Use

1. Please charge the spot welder before use. Press and hold the "ON/OFF/Option Toggle Key" for 2 seconds to turn on the machine, and then short press the "ON/OFF/Option Toggle Key" to switch the setting options in turn. When the cursor stays at the desired setting option, short press the "Adjustment Key" to adjust the parameter. When the parameter adjustment is finished, short press the "ON/OFF/Option Toggle Key" to the other setting options, then adjust other parameters as above.

2. Welding operation. It is recommended to carry out welding test before formal welding, and it is recommended to use the automatic mode. In manual mode, short press "Manual Key" to trigger welding, short press once, trigger once.

Please NOTE

Spot welding angle: When you are spot welding, the spot welding angle is recommended to be tilted 30 plating (30° angle), presenting a 60° angle to spot weld, this angle is better. You can also try other angles, suitable for your spot welding angle is the best.

The location of the spot welder contact: When you spot weld fit, both spot weld pens must contact the material at the same time, not one spot weld pen contacted, the other did not contact. To both pens are in contact, the spot welding current will be output, there will be a spot welding reaction.

Spot weld material should be smooth: When you spot weld the fit, pay attention to spot weld the material to be smooth, clean, spot weld the 18650 battery fit, must be laid flat on the battery, the battery and the material can't have a gap, if there is a little gap, use the spot weld pen to gently press the following, so that the battery and the material are in full contact.

Function Description

A M Welding mode, auto A /manual M, in manual mode, you need to press the "Manual Key" to trigger the welding, short press once, trigger once.

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

Gear: Output power level.

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

Special Instructions

Temperature control protection

Discharge protection: When the system detects the internal temperature >60℃ or <-10℃, the discharge protection will be turned on and the spot welding function will be closed (and the screen will show "❄" or "🌡"), and it will be resumed when the internal temperature recovers to -6℃ ~56℃.

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

Charging Precautions

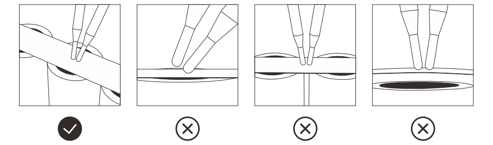
1. When the power level is lower than 25%, the output power will be reduced, welding effect will be weakened, so keeping the power level at 75% or more will have the best effect, this product supports charging while using.

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.

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.



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℃.

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	HD2
Welding Mode	Manual/Auto
Product Size	45*28*202mm

Input/Output	
Input Interface	Type-C Charging Port
Output Voltage	4.2V(MAX)

Others	
Operating Temperature	-10~60℃（±5℃）
Charging Temperature	0~60℃

Version: 300726