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     Made in China



Solo Elf kit Manual

Thank you for choosing IJOY! Please read this manual carefully to ensure proper use. For additional information regarding this product or its use, please consult your local IJOY retailer or visit our website [www.ijoycig.com](http://www.ijoycig.com)

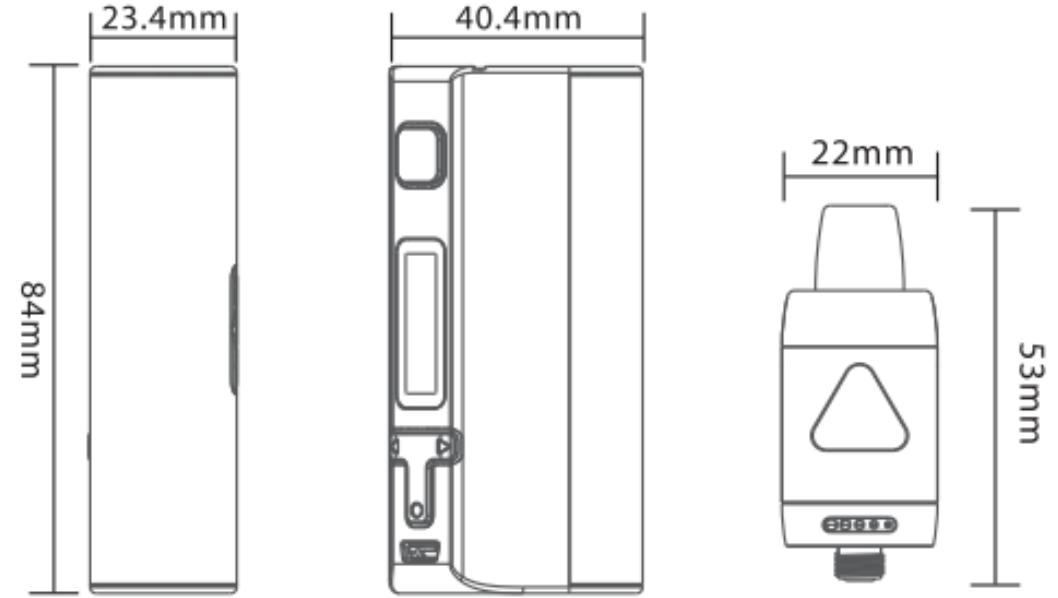
### **Product Introduction:**

IJOY SOLO ELF KIT is one of the best starter kit for beginners. The ELF TANK is a new, curvy, compact and elegant design platform, a latest mouth to lung 2ml tank, features in coil and chimney 2 in 1, reduces the airflow travel. The unique coil design makes IJOY ELF a true flavor MTL tank, combined with a

single 18650 box mod, brings you the best carry-on device which provides a better flavor experience.

### **Parameter**

1* SOLO MINI 80W MOD	1* USB Cable
1* ELF tank(Pre-installed 0.7ohm coil)	1* User Manual
1* Extra Coil(0.5ohm)	1* Warning Card



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## Specifications

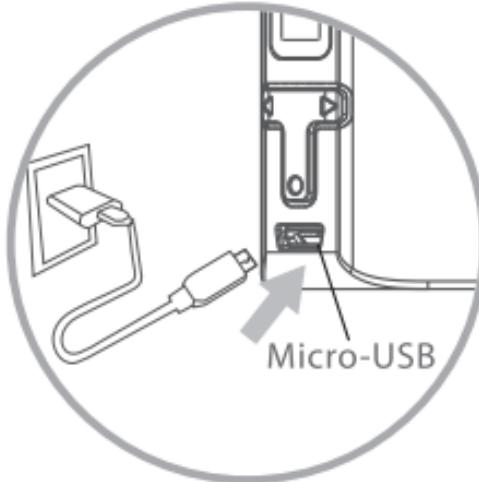
- Screen size: 0.91"OLED.
- Size: 84\*40.4\*23.4mm
- Output Wattage: 5watts-80watts.
- Output Voltage: 0.5Volts-8.5Volts.
- Output Current: 1.0A-20A.
- Temperature Range(Ti/Ni/SS): 300-600°F / 150-315°C
- Temp Control mode on Nickel/Titanium/Stainless steel wire Resistance Range: 0.08ohm-1.5ohm

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- Taste Control mode on regular wire Resistance Range: 0.08ohm-2.5ohm.
- Taste Control mode on Kanthal wire Resistance Range: 0.5ohm-2.5ohm.
- Wattage control mode wire Resistance Range: 0.08ohm-3.0ohm.
- Wide range modes: 80%-110%.
- Power efficiency: 98%.
- Temp accuracy: 2%.
- Material: High-temperature zinc alloy with teflon coating body, more healthy and environmentally

- Fire method: Stainless steel metal stretch button.
- Adjust power method: up and down button.
- GUI operate: YES.
- USB charging for Battery: YES.
- Heating coil material: support almost all kinds of exist wires.
- Single 18650 battery design, only use high AMP 20A or above (battery not included).

- Charging way: user can use charging port to charge Solo Mini, or take out the battery and charged it by 18650 charger.

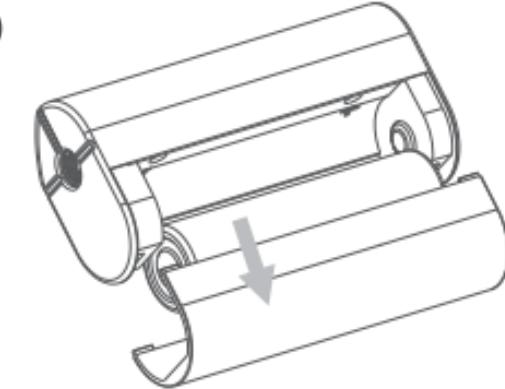


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## How to use:

### 1. Installing The Batteries

The Solo Mini is a single 18650 battery mod that features a quick-access Slide down the battery cover and put one 18650 cell into the battery body.  
( Tips: Pls use high-rate 18650 cells)



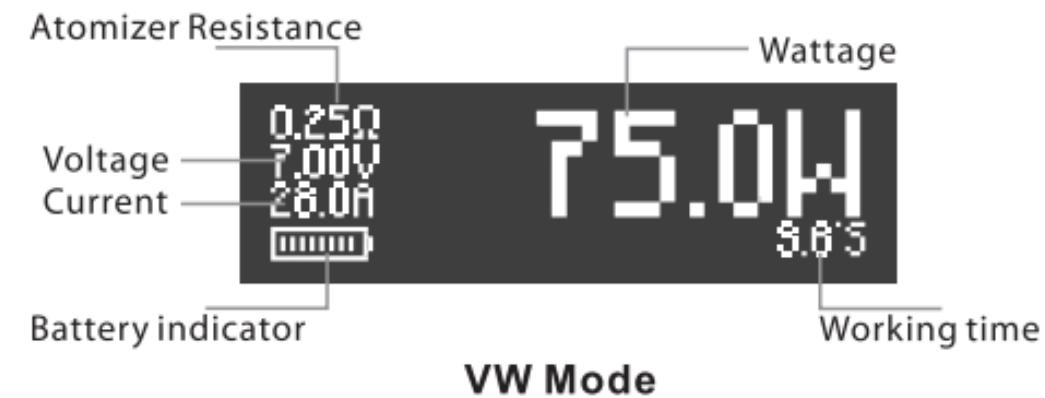
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## 2. Power On/off

- Press the fire button 5 times in quick succession to turn the device on after switch on ,OLED display "IJOY Solo Mini" at stand by mode.
- Press the fire button 5 times in quick succession to turn the device off. If you attempt to press the fire button without an atomizer installed, then "NO ATOMIZER" will be displayed.

## 3. Shift Between VW/TC/NI/TI/SS Mode

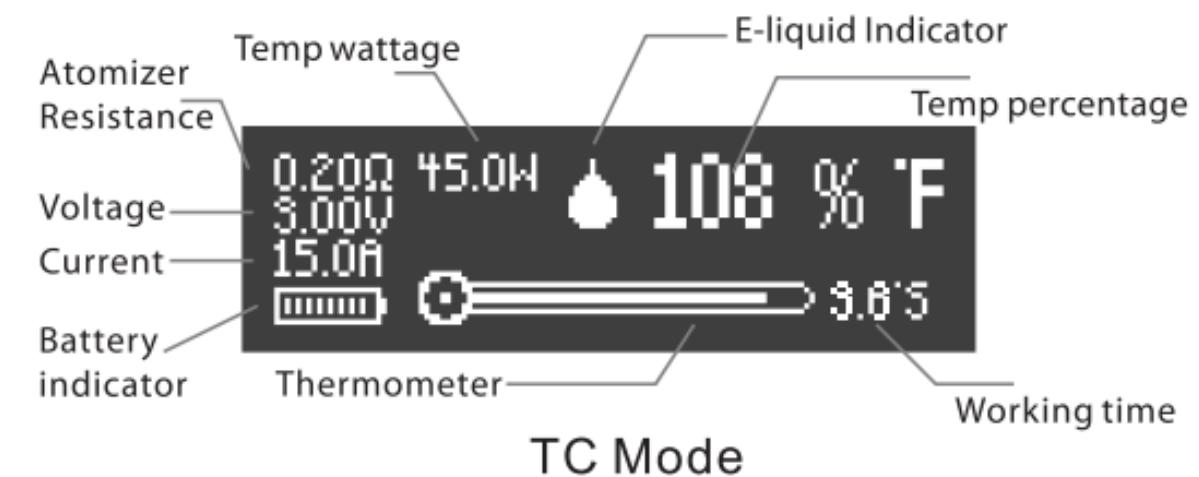
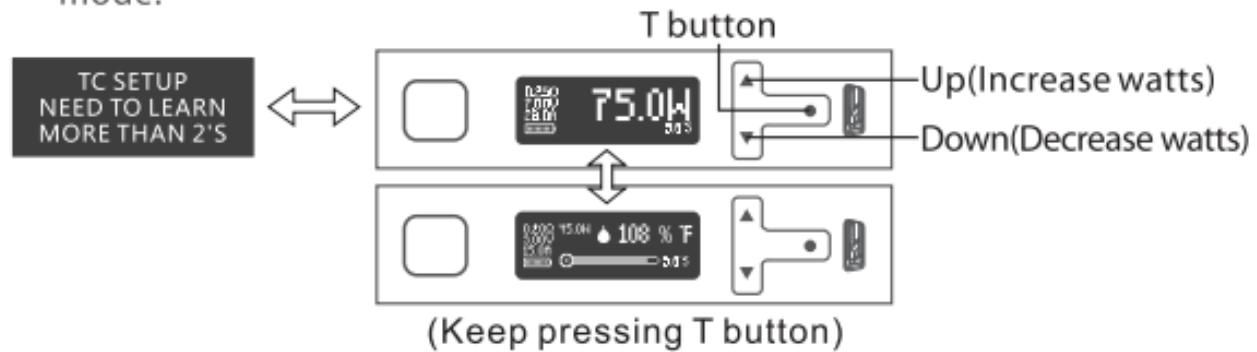
The OLED screen presents 5 rows of information: TC/Ni/Ti/SS and VW mode. While the device is on, the OLED screen will show VW Mode.



### How To Use Taste Control Mode?

- Take some puffs to find your desired vaping taste before switching to TC mode.Then keep pressing "T" button .

- When a new atomizer is directly connected in TC mode, the screen will display "TC SETUP NEED TO LEARN MORE THAN 2'S". Then the device needs to go back to VW mode to learn.
- Keep pressing the "T" button, the screen will switch from TC mode to VW mode.



### **Manage The Mode Of Taste Control:**

- Norm Mode:

Calibrate your favorite taste at a wattage firstly, then setting to TC mode, temp percentage shows 100%, that's is your favorite wattage chosen before.

- Hard Mode:

Press up button to increase temp percentage 100% to 101%-102%...-110%, means the working wattage is increased by percent too.

- Soft Mode:

Press down button, temp percentage will decrease from 100% to 99%-98%...-80%, working wattage decrease by percent.

### **TIPS:**

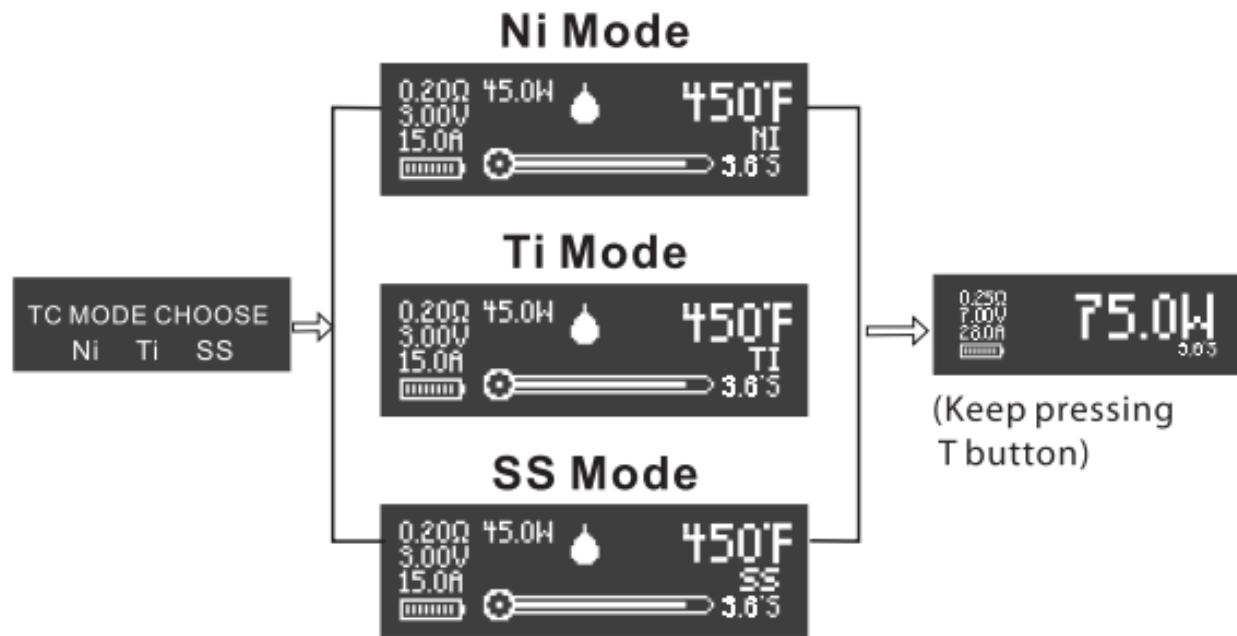
- When switch to TC mode on maximum wattage, the temp percentage maximum only can reach 100%.. When switching to 100%, the screen will display "MAX WATTAGE".
- To reach the maximum watts output, the battery should be 20A or above.
- For better Taste Control, please make sure the atomizer base is well-connected to Solo Mini. and engineers suggest to learn before entering either TC mode.
- Keep power off when rebuild the RDA on Solo Mini.
- Please make sure the new atomizer has cooled down to room temperature. Otherwise the device will misread the resistance.

- When the resistance changes more than  $0.06\Omega$ , after re-install the tank, a message will be displayed on the screen. Choose "NEW" or "SAME" by using "UP" and "Down" buttons and "T" button to confirm.
- When the resistance changes more than  $0.15\Omega$ , the screen will show "NEW ATOMIZER" and the device will automatically switch to VW mode. The default wattage is 15W.
- If you take off the tank from Solo Mini for refilling or any other purpose, please go back to VW mode to learn again.

### Ti, Ni, SS Temp Control Mode

- Take some puffs to find your desired vaping taste before switching to TC

- mode. Press "T" button 3 times in quick succession to choose Ni, Ti, SS mode.
- To shift between Ni/Ti/SS mode please make sure you are in VW mode.
  - Keep pressing the "T" button, the screen will go back to VW mode.
  - Press up and down to choose Ni/Ti/SS mode, then wait 2 seconds and Solo Mini will enter the selected mode automatically. The defaults temperature is  $450^{\circ}\text{F}/230^{\circ}\text{C}$ .
  - Press up/down button to set the temperature value, coil temperature can be adjusted from  $300\text{-}600^{\circ}\text{F}/150\text{-}315^{\circ}\text{C}$  range. The temperature will be increased in  $5^{\circ}\text{F}$  after each press.
  - The temperature loops between  $^{\circ}\text{F}$  and  $^{\circ}\text{C}$



#### 4. Reset Function

What's the reset function?

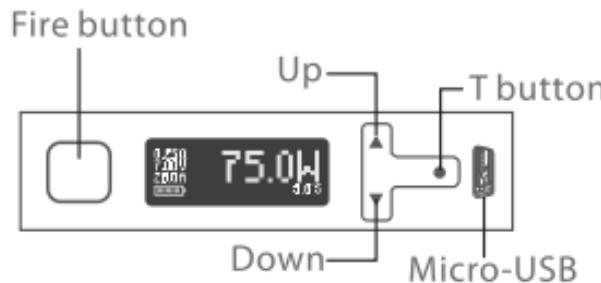
when the atomizers don't work accurately in Ni/Ti/SS TC mode, vapers can comply. reset to read the resistance of atomizer again.

Notice, pls make sure the atomizer is cooling down when reset.

How to reset?

Pls shutdown the Solo Mini device, Press the fire button first then along with the "T" button, the screen will show "reset ok." So it means having cleared the memories of the before used atomizers.

When you power on the device ,it will show "New Atomizer".



RESET OK

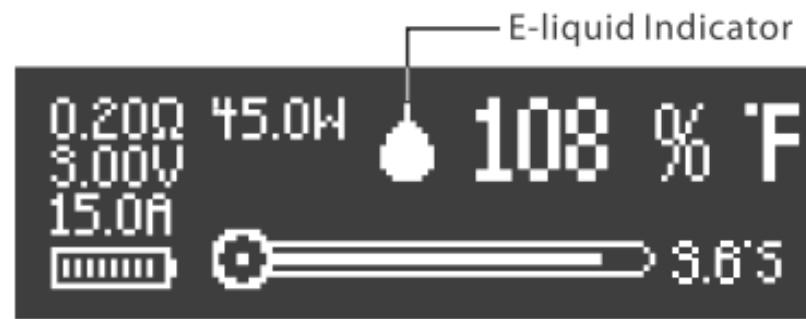
## 5.E-liquid Indicator

The e-liquid indicator will flash in the following situations

1. The device does not have enough e-liquid. The indicator will flash and the

device will stop working 15 seconds. Refill the e-liquid and go back to wattage mode to learn again.

2. If E-liquid is enough, but keep flashing that means the learning time was not enough and the device needs to go back to wattage mode to learn again.
3. If the device overheats, wait a while until it can be used again.



## 6. Malfunction Indication And Protection

- **Time out protection:** When the button is pressed for over 10 seconds, the output will shut off and the OLED screen will display "TIME OUT".
- **Atomizer short-circuit protection:** When atomizer shortcircuit occurs, the OLED screen will display "SHORTED".
- **Low resistance protection:** When the resistance is lower than 0.08ohm, the OLED screen will display "OHMS TOO LOW". When the resistance is higher than 3ohm, the OLED screen will display "OHMSTOO HIGH".

TIME OUT

SHORTED

OHMS TOO LOW

OHMS TOO HIGH

- Low power alert: When battery voltage is below 3.3V, the device shows "LOW BATTERY".

LOW BATTERY

- PCB temperature overheat protection: When the temperature of device is too high, the output will shut off automatically and the screen will display "PCB TOO HOT".

PCB TOO HOT

- Reverse polarity protection
- Parameter lock-out protection

### Remarks:

1. Do not store the unit in excessively hot or cold environments.
2. Do not install the battery backwards—the device will not power on.
3. Do not abuse or leave the device unattended.

感谢您选择 IJOY！请在使用前仔细阅读说明书以确保正确操作。

关于产品信息或使用方法有任何疑问，请咨询当地的 IJOY 经销商，或者访问我们的官网 [www.ijoycig.cn](http://www.ijoycig.cn)

### 产品介绍：

IJOY SOLO ELF小精灵套装是迄今为止操作最便捷的初级套装，功率模式支持 5-80W 功率可调，一键可切换至温控模式和口感模式，温控模式可支持 Ni/Ti/SS 发热丝，口感模式自带记忆功能，使用越久越顺手，支持市面上所有发热丝完美工作不干烧。

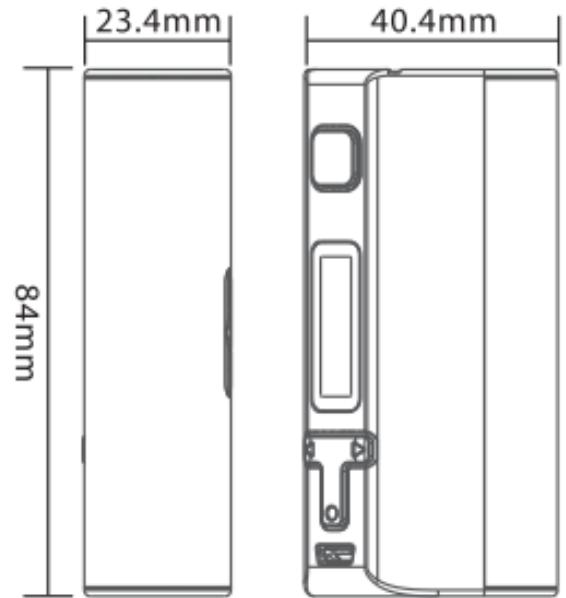
搭配全新的小精灵ELF雾化器，雾化芯和烟道二合一设计，缩短了烟雾雾化的路程，烟油雾化瞬间，烟雾即可抵达吸嘴，使烟雾浓厚，雾化口感浓郁，带给你前所未有的口感体验！

### 标准配置：

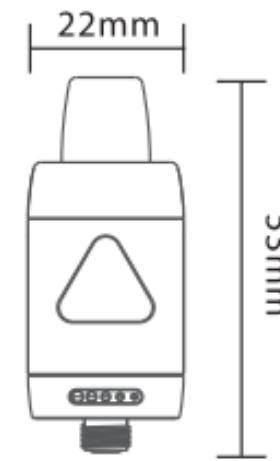
1* SOLO MINI 80W主机	1* USB线充
1* Elf 精灵雾化器（内置成品芯 0.7ohm）	1* 用户手册
1* 备用雾化芯（0.5ohm）	1* 保修卡

## 参数：

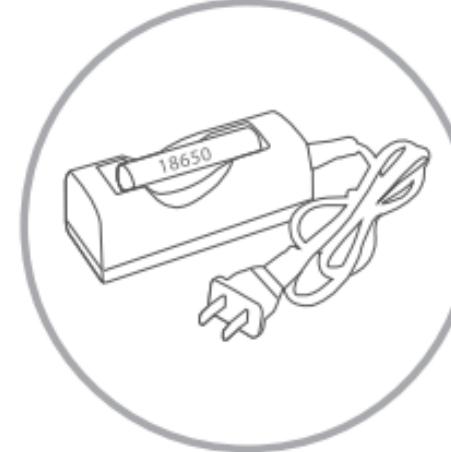
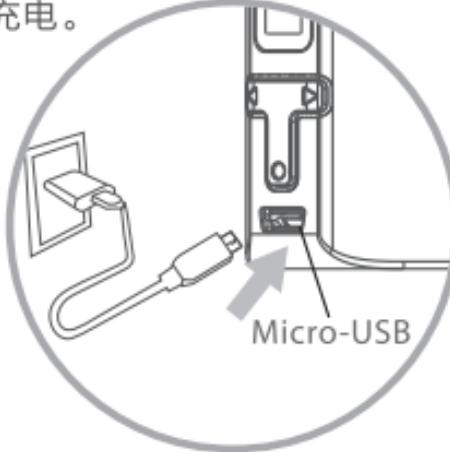
- 屏幕尺寸: 0.91"OLED.
- 主机尺寸: 84\*40.4\*23.4mm.
- 输出功率: 5watts-80watts.
- 输出电压: 0.5Volts-8.5Volts.
- 输出电流: 1.0A-20A.
- 温度范围 ( 镍/钛/不锈钢 ) :  
300-600° F / 150-315°C.
- 温控模式下, 镍和钛雾化芯适配阻值范围: 0.08ohm-1.5ohm.
- 口感模式下, 常规雾化芯阻值适配范围: 0.08ohm-2.5ohm.



- 口感模式下, Kanthal发热丝适配阻值范围: 0.5ohm-2.5ohm.
- 功率模式下, 雾化芯阻值适配范围: 0.08ohm-3.0ohm.
- 口感模式可宽范围调节: 80%-110%.
- 能量转换率: 98%.
- 温度探测精度: 2‰.
- 主体材质: 锌合金 + 特氟龙工艺处理.
- 点火键材质: 不锈钢金属伸缩按键.
- 调功率方式: 按功率 "+" "-" 键.
- 图形用户界面操作: 支持.
- 电池USB接口充电: 支持.
- 可支持的发热丝材质: 支持市面上所有的发热丝.



- 单个18650电池设计，建议使用20A以上高倍放电电池（Solo Elf 套装不包含电池）。
- 充电方式：用户可以直接连接充电接口充电，或者取出电池，用18650充电器充电。

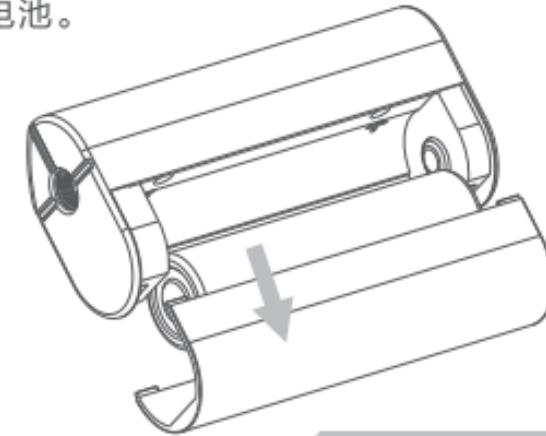


## 如何使用：

### 1. 安装电池

Solo Elf 是个适配单 18650 电池的主机，搭载全新的磁力电池后盖，如图所示快速滑下电池盖即可装进一颗18650电池。

( 贴士：请使用高倍18650电池 )



## 2.开机/关机

- 快速按 5 下点火键，即可启动 Solo Elf，开机后显示屏会显示 IJOY Solo Mini 的标志。
- 快速按 5 下点火键，即可关闭 Solo Elf。
- ★ 如果在没有雾化器的状态下尝试按点火键，屏幕会显示“NO ATOMIZER”（无雾化器）。

## 3.切换功率 / 口感 / 镍 / 钛 / 不锈钢温控模式

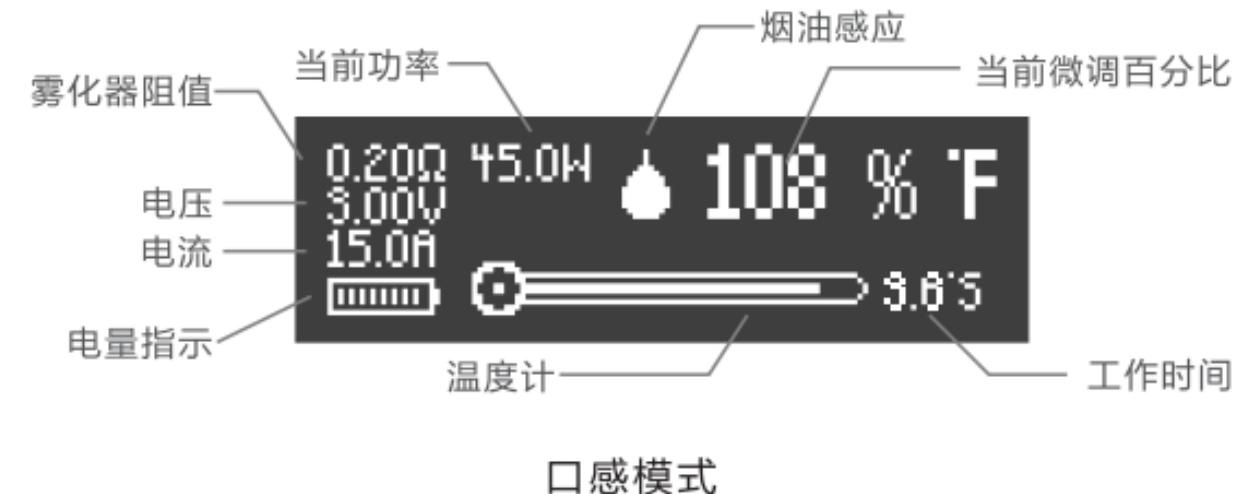
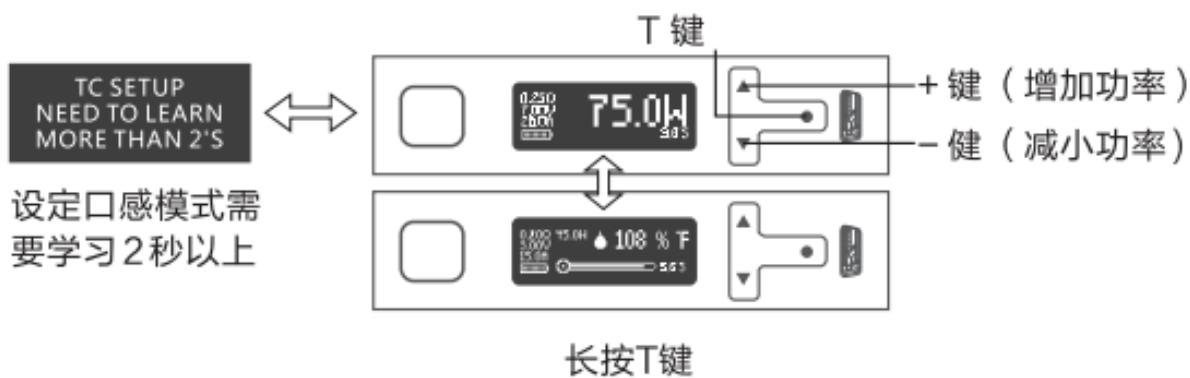
在功率 / 口感 / 镍 / 钛 / 不锈钢温控模式下，OLED 显示屏左侧都会显示 4 行信息（如下图）开机后，OLED 显示屏会自动显示功率模式。



### 如何使用口感模式

- 进入口感模式之前，先在功率模式调试合适的功率和满意的口感，深抽几口之后再进入口感模式（Solo Elf 会根据学习用户的使用习惯，在进入口感模式之后可以保持口感恒定不变）

- 当连接一个新雾化器，如果直接切换至口感模式，显示屏会提示“TC SETUP NEED TO LEARN MORE THAN 2S”（设定口感控制模式需要学习 2 秒以上），这时，您需要回到功率模式学习。
- 长按“T”键，显示屏会在口感模式和功率模式之间切换。



## 口感模式设置

- 常规模式：首先在功率模式设定合适的功率和满意的口感，学习至少 2 秒后进入口感模式，温度微调百分比会显示 100%，表示此时输出的口感与之前学习状态下的口感一致。
- 暴力模式：按 "+" 键来增加温度微调百分比，可从 100% 最高调至 110%，此时的工作输出功率也随着百分比的增加而增加。
- 柔和模式：按 "-" 键来减小温度微调百分比，可从 100% 最低调至 80%，此时的工作输出功率也随着百分比的降低而降低。

## 小贴士：

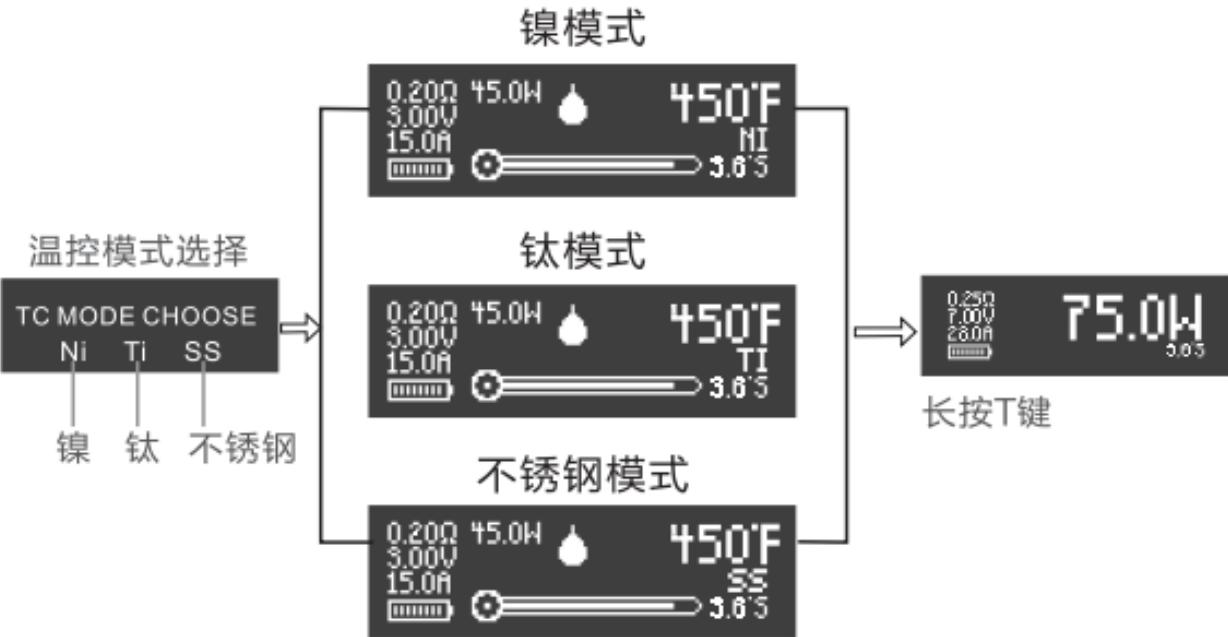
- 当雾化器在最大功率值进入口感模式时，温控微调范围在 80%-100%，此时无法上调到 100% 以上，当调到 100% 时，屏幕会显示“MAX WATTAGE( 最大功率 )”（此为 Solo Elf 设定的保护模式，防止功率过高烧坏雾化芯）。
- 为了使主机达到最大功率输出，使用的电池必须是 20A 以上高倍放电。
- 为了使口感模式表现更出色，请确保雾化器底座和 Solo Elf 连接完好。工程师建议，在进入口感模式前先让主机学习一下。
- 如果使用 RDA 雾化器在 Solo Elf 温控机上组装，请保持 Solo Elf 主机处于关机状态。
- 请确保雾化器使用时已冷却至室温，否则主机会误读雾化器的阻值。

- 当雾化器阻值变化超过  $0.06\Omega$  时，重新装上雾化器时，屏幕会提醒新雾化芯 (NEW) 还是相同的雾化芯 (SAME) 选择，按上下键选择，T键确认。
- 当雾化器阻值变化超过  $0.15\Omega$  时，屏幕会显示新雾化器，并自动切换到功率模式下，默认输出功率是 15W。
- 当用户拆下雾化器注油或者因为其他原因拆下雾化器后又装回 Solo Elf 主机，请回到功率模式再次学习一下。

### 钛/镍/不锈钢温控模式

- 建议在功率模式下调试至合适的口感，然后通过快速按 3 下 “T” 键来进入镍/钛/不锈钢温控模式。

- 切换进入镍/钛/不锈钢温控模式前，要确认 Solo Elf 处于功率模式才可以切换。
  - 长按“T”键，显示屏会切换回功率模式。
  - 按 "+" 键和 "-" 键来选择镍/钛/不锈钢模式，选择后等待 2 秒，即可自动进入选择的模式，默认温度是  $450^{\circ}\text{F}/230^{\circ}\text{C}$ 。
  - 按 "+" 键和 "-" 键来设定温度值，雾化芯温度可调范围在  $300\text{--}600^{\circ}\text{F}/150\text{--}315^{\circ}\text{C}$ ，每按一下 +/- 键，温度以  $5^{\circ}\text{F}/5^{\circ}\text{C}$  递增/递减。
  - $^{\circ}\text{F}$  和  $^{\circ}\text{C}$  之间的循环切换：当温度到达  $^{\circ}\text{F}$  的最大值 ( $600^{\circ}\text{F}$ ) 的时候，持续按键会自动进入  $^{\circ}\text{C}$  的最小值 ( $150^{\circ}\text{C}$ ) 进行切换。
- ★ 该模式只适用于钛/镍/不锈钢雾化芯。



#### 4.重置功能

什么是重置功能？

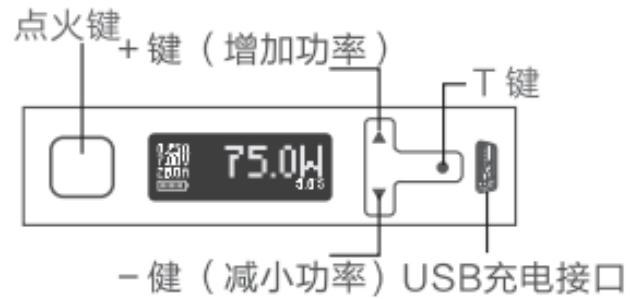
当雾化器在镍/钛/不锈钢温控模式下工作不精准，用户可以通过重置来重新读取雾化器阻值。

注意，重置的时候请确保雾化器已经完全冷却。

如何重置？

按五下快速关机，首先按着点火键不松手，然后长按“T”键，显示屏会显示“Rest Ok (重置成功)”，这就意味着已经完全清除掉了之前使用雾化器的所有记忆参数。

当你再重新开机，会显示“新雾化器”。



RESET OK  
重置成功

## 5. 烟油指示图标说明

在以下状况下，烟油感应提示会闪烁提醒：

1. 如果雾化芯缺油，烟油感应提示会闪烁，然后 Solo Elf 会停止输出15秒，

这时候需要赶快加油，加好油之后回到功率模式重新学习。

2. 如果雾化器里面烟油充足，烟油感应一直闪烁，意味着学习的时间不够，需要回到功率模式重新学习。学习时间必须在2S以上，学习的时间越长，温控效果越精准。

3. 如果设备温度过高，烟油提醒也会一直闪烁，暂停使用一会儿即可重新工作。



## 6.多重提示和防护功能

- 超时保护：长按点火键超过10S，主机会自动切断输出，OLED屏会显示“TIME OUT”（超时）

TIME OUT

超时

SHORTED

短路

阻值过低

OHMS TOO LOW

OHMS TOO HIGH

阻值过高

- 雾化器短路保护：

当雾化器和主机短接的时候，OLED显示屏会提示“SHORTED”（短路）

- 低阻值保护：

当雾化器阻值低于 $0.08\Omega$ ，OLED显示屏会提示“OHMS TOO LOW”（阻值过低）。当雾化器阻值高于 $3\Omega$ 时，OLED显示屏会提示“OHMS TOO HIGH”（阻值过高）。

- 低电提醒：当电池电压低于3.3V时，OLED显示屏会提示“LOW BATTERY”（电量低）

LOW BATTERY

电量低

- PCB板温度过高保护：如果Solo Elf工作时间太长导致主机温度过高，内置智能芯片会自动探测温度并自动停止输出，显示屏会提示“PCB TOO HOT”（PCB板温度过高）

PCB TOO HOT

PCB板温度过高

- 电池反接保护
- 参数锁定保护

备注：

- 不要把主机存放在温度过高或者过冷的环境里。
- 装电池注意不要装错正负极，否则主机会不工作。
- 不要滥用或随意丢弃该装置。