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Made in China

**iJOY**®

Diamond Mini 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 Diamond mini is a cool and stylish dual 18650 BOX MOD. Its design is inspired by the diamond multi-faceted cutting technology. The fire button also adopts diamond design, which fits with the design elements of the whole

machine. Millisecond fire speed, large OLED display, 225W high power, easy operation, various modes selectable, support NI, TI, SS temperature control, support for large size atomizer, support USB charging, and firmware upgradeable!

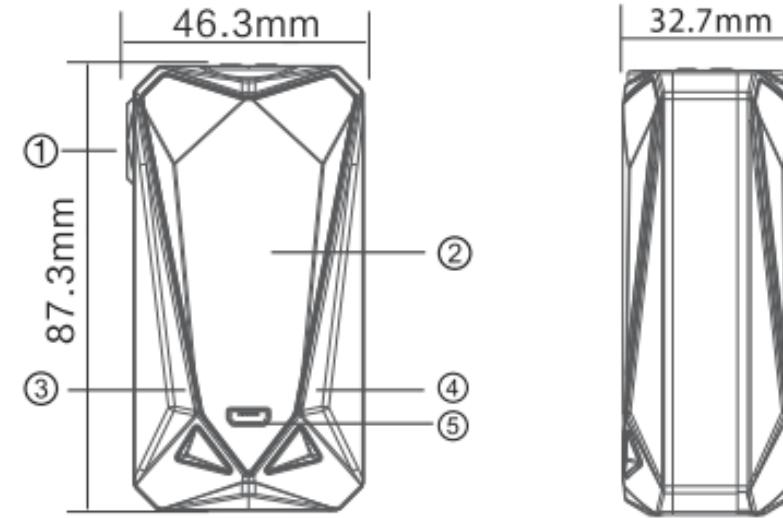
## **Parameter**

1\* IJOY Diamond Mini Box Mod(225w)

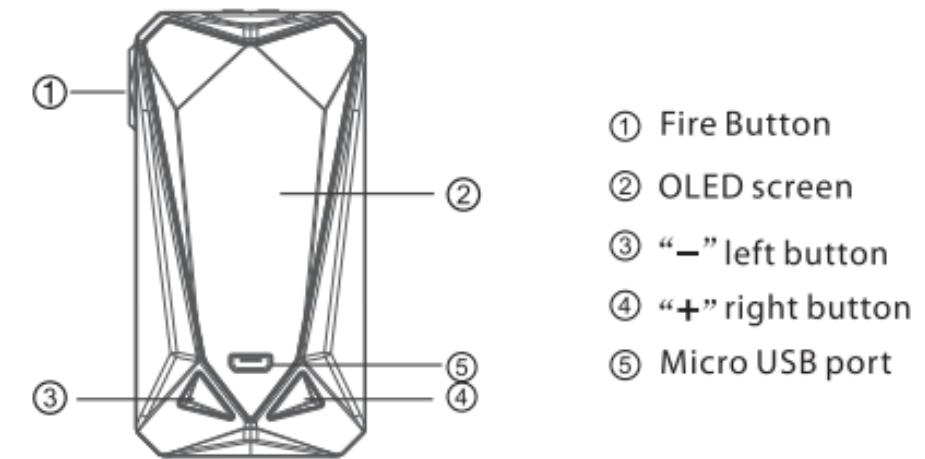
1\* USB Cable

1\* Manual

1\* Warranty Card



Diamond Mini / 04



Diamond Mini / 05

- ① Fire Button
- ② OLED screen
- ③ “-” left button
- ④ “+” right button
- ⑤ Micro USB port

## Specifications

- Screen size: 0.96"OLED.
- Size: 87.3\*46.3\*32.7mm /3.43\*1.82\*1.28 inches.
- Output Wattage: 5watts-225watts.
- Output Voltage: 1Volts-8.0Volts.
- Output Current: 1.0A-40A.
- Temperature Range: 300-600°F/ 150-315°C
- Wattage control mode wire Resistance Range: 0.05ohm-3.0ohm
- Power efficiency: 95%.
- Fire method: Stainless steel metal stretch button.
- Adjust power method: up and down button.
- Upgradable firmware: YES.
- Output mode: VW/TI/NI/SS and special USER Mode

## **Operation Instruction:**

### **1. Power On/off**

- Press the fire button 5 times in quick succession to turn the device on and off. After switch on, OLED display DIAMOND logo and software version number at stand by mode.



**(Note:**

**Please adjust the wattage to a proper range to match the atomizer you used before using.**

### **2. Vaping**

While the device is power on, just keep pressing the fire button to vape  
(Firing timeout: 10 Seconds)

While the device is power on, the OLED screen default display VW Mode.

### 3. General Functions

Enter Into The Main Menu

Press the fire button 3 times to enter into the main menu. Press the right and left regulatory buttons to switch among different functions. Press the fire button to confirm.



NI | TI | SS | M1 | M2 | Exit

Standby time set

## 4. Power Mode

In the main menu, switch to "P" setting, press fire button to confirm. Press right and left buttons to adjust the wattage.

### Intensity Setting In Power Mode

In the main menu, switch to intensity setting, press fire button to confirm. Press right and left buttons to switch among below 4 modes. In user mode, press fire button to switch among each setting columns. Press right and left

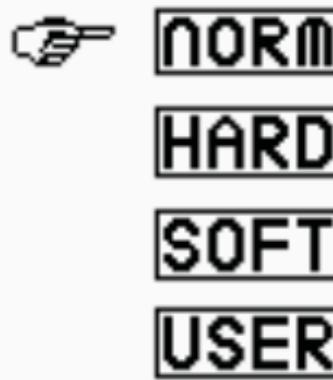
buttons to adjust the wattage. After setup is completed, press fire button to switch to "EXIT". Press right or left button to confirm.

**Norm Mode:** Maintains the currently set power.

**Hard Mode:** 30% higher than the currently set power.

**Soft Mode:** 20% lower than the currently set power.

**User Mode:** Customize the power output for the first three seconds of each puff, with each setting column representing half a second.

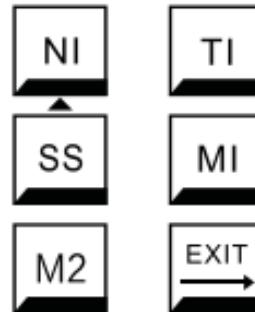


## 5. Temp Mode

Ni/Ti /SS/TCR M1/TCR M2

In the main menu, switch to "T" setting, press fire button to confirm. Press right and left buttons to switch among Ni/Ti/SS/M1/M2 modes. Press fire button to confirm. Press right button, when "W" flashing, press right and left buttons to adjust wattage. Press left button, when " $^{\circ}$ F" or " $^{\circ}$ C" flashing, press right and left buttons to adjust temperature value.

The temperature unit will cycle between °F and °C when the minimum or maximum temperature is reached.



NI



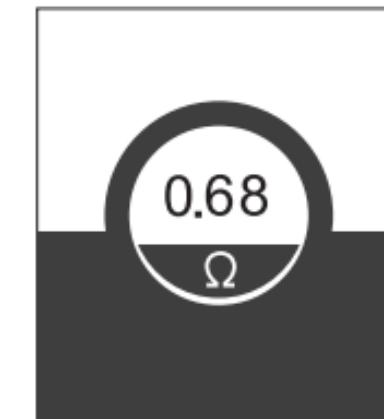
TI



SS



In the temperature control mode to replace the heating wire, the first let Heating wire in the indoor temperature, after installed the heating wire, The screen will appear the heating wire resistance, Figure 1 is the heating wire Of the initial value, if the "resistance" is very accurate directly Use, if not very accurate then need to correct the heating wire Of the resistance.



## 6. TCR Mode (M1, M2)

With the TCR (Temperature Coefficient of Resistance) function available now, you can customize your temperature control coils(Ni, Ti, SS) on your own. In the main menu, switch to "T" setting, press fire button to confirm. Switch to M1/M2 modes. Press fire button to confirm.

### How to set the TCR?

In the main menu, switch to "TCR" mode indication, press fire button to confirm. Press fire button to choose between TCR M1, TCR M2. Press right/left buttons to select certain parameter. After setup is completed, press fire button to switch to "EXIT". Press right or left button to confirm.

<b>TCRM1:</b>	 0.00080
<hr/>	
<b>TCRM2:</b>	0.00100
<hr/>	
<b>EXIT</b>	

## 7. Puff counter

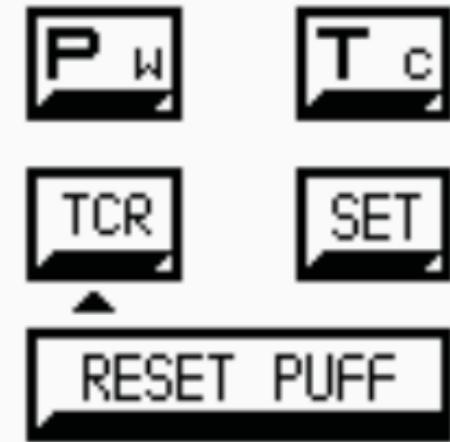
In any mode, the screen shows the number of puffs. If a puff more than 0.8s, it will be recorded as one puff. The device can remember the value even if you remove the battery. the default number is "0000". When the number reaches "9999", it will be cleared automatically.



Puff counter

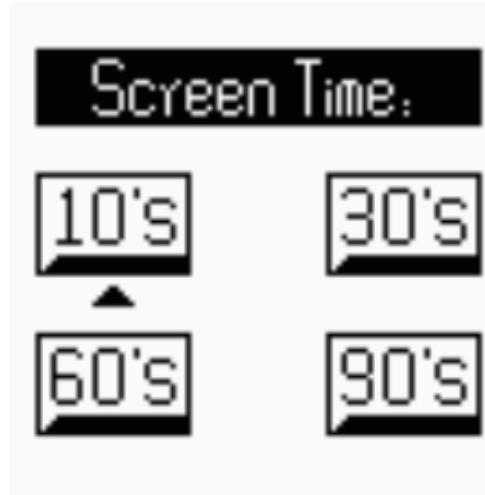
## How to clear the puff value manually?

Press the fire button 3 times in 2s to enter the menu, choose **RESET PUFF** icon to enter the "PUFF rest" setting, press fire button to confirm your choice.



## 9. Set the standby mode

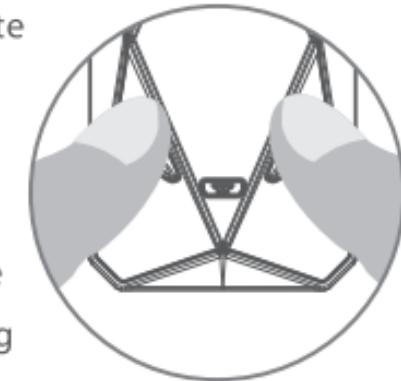
Press the fire button 3 times in 2s to enter the menu, choose **SET** icon, use + and - button to choose "Screen Time" area, there are 4 preset choices, press fire button to confirm your choice, the screen will enter standby mode at the selected time.



## 10. How to calibrate the resistance?

When the device connected with a new atomizer, press + and - button at the same time to calibrate the initial resistance of the new atomizer.

We recommend to calibrate resistance in temperature control mode , you can make the temperature control more accurate, please note that this operation requires heating wire cooling to room temperature.



## **11. Upgrade operation**

After connecting the computer by USB & installation driver successfully , open the upgrade software, enter the correct PID number, Open the program that needs to be upgraded on the PC and click the upgrade key of the upgrade software to upgrade. After update completed then work.

## **12. How to charge by USB?**

When the voltage is lower than 3.3V, the display will show "Low Battery", then you need to charge the device, please connect the device through the USB cable to the computer or power adapter.

- 1, in the charging process, The battery energy column indicator will scrolling, when fully charged , it will stop scrolling.
- 2, in the charging process, the battery voltage is lower than 3.2V, the device is turned off.
- 3, can not vape during charging  
(If the device not be used for a long time, please charge every 30 to 60 days to make sure battery life.)



**PCB TOO HOT**

### **13. Malfunction Indication and Protection**

PCB temperature overheating protection:

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



**LOW BATTERY**

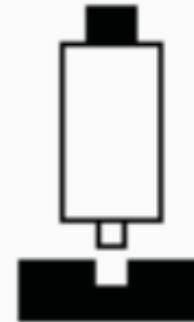
Low power alert:

When battery voltage is below 3.2V, the  
device shows "LOW BATTERY"



**SHORTED**

PCB Atomizer short-circuit protection:  
When atomizer short-circuit occurs,  
the OLED screen will display "SHORTED"



**NO ATOMIZER**

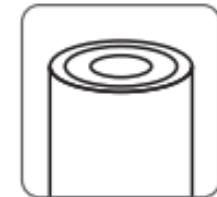
No Atomizer:  
when no atomizer connect, the  
device will display "No atomizer"

## DO NOT USE BATTERY WITH BROKEN WRAPS

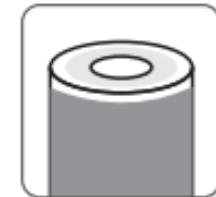


Qualified Battery

No insulation Skin



No Insulation Skin of  
the Positive Pole



No Insulation Skin of  
the Negative Pole

Damaged Insulation  
Skin of the Positive Pole

## Warnings

1. Please read the manual carefully before use
2. Please do not keep the ejuice inside the atomizer if the device is not going to be used for a long period
3. Please take out of the battery from device when it's not used for a long time
4. Please keep the device away from children, pregnant women, and minors (under 18 years of age)



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 Diamond mini 是一款外形酷炫的双电18650 盒子, 外观造型来源于钻石的多面切割设计灵感, 正反两面采用加硬的全镜片式结构, 个性时尚, 棱角分明, 点火大按键也采用钻石菱形面设计与整机元素相贴合。毫秒级点

火反应速度, 超大的OLED显示屏, 225W大功率, 输出爆力, 操作简单, 各种模式可选, 支持 NI 、 TI 、 SS 等温控, 支持超大尺寸雾化器, 支持 USB 充电, 可升级!

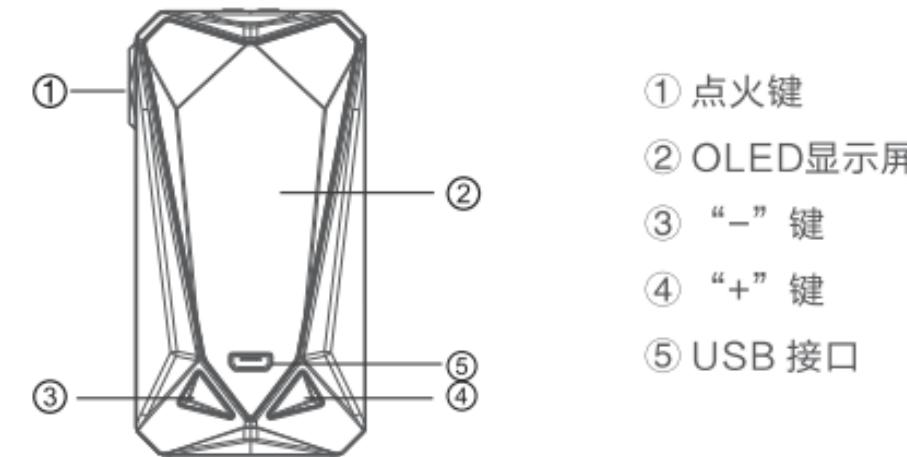
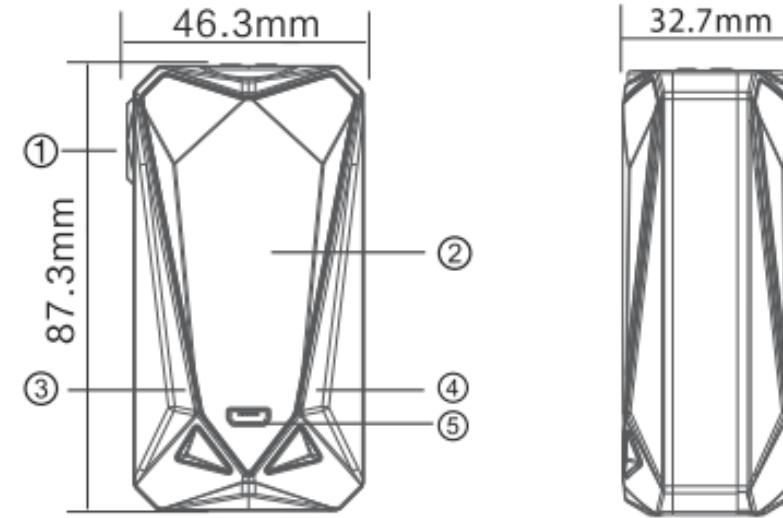
### 标准配置:

1\* Diamond Mini 主机

1\* 说明书

1\* USB 数据线

1\* 保修卡



## 产品规格：

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>● 屏幕尺寸: 0.96"OLED.</li><li>● 主机尺寸: 87.3*46.3*32.7mm /3.43*1.82*1.28 inches.</li><li>● 输出功率: 5watts–225watts.</li><li>● 输出电压: 1.0Volts–8.0Volts.</li><li>● 输出电流: 1.0A–40A.</li><li>● 温控范围: 300–600° F/ 150–315°C</li></ul> | <ul style="list-style-type: none"><li>● 功率模式支持雾化器阻值范围: 0.05ohm–3.0ohm</li><li>● 能量转换率: 95%.</li><li>● 点火方式: 按压不锈钢材质大按键</li><li>● 调节功率模式: 调节 +/- 键</li><li>● 固件升级: 支持.</li><li>● 输出模式: 功率/钛/镍/不锈钢/特殊的用户自定义模式</li><li>● 电池类型: 双18650</li></ul> |
|---|--|

## 操作介绍：

### 1. 开机/关机

- 快速按 5 下点火键即可开机 / 关机。开机后，OLED 显示屏会在待机模式显示 Diamond 以及软件版本号。



(备注：

请把功率调到与使用雾化器匹配的功率范围后再点火使用。)

### 2. 抽烟

在 Diamond Mini 开机的状态下，长按点火键即可开始抽（每一口最长可抽 10S，超过 10S 会自动切断输出）

开机后，OLED 显示屏会默认进入功率模式。

### 3. 常规功能

进入主菜单

开机状态下，快速按 3 下点火键即可进入主菜单，通过按左右管理键（即“+”“-”键）在不同功能之间切换，选定后按点火键确认，即可进入该模式。



## 4. 功率模式

2S 内快速按 3 下点火键，进入主菜单，通过左右功能键切换至“**P w**”，按点火键确认后即可进入功率模式，功率模式下可通过调节“+”“-”键来调节功率大小。

### 功率模式强度设置

在主菜单中，切换至 **P w**，进入P模式后。通过按左右“+”“-”键可以在 4 个模式之间切换，选定后按点火键确认。

- 常规模式：进入设置模式前设定的功率值
- 暴力模式：能量输出强度在原设定的功率输出强度上增加 30%
- 柔和模式：能量输出强度在原设定的功率输出强度上减弱 20%



—常规模式



—暴力模式



—柔和模式



—用户模式

**用户模式：**为满足不同用户的抽吸习惯，用户模式允许使用者自定义前 3 秒的工作波段，比如，喜欢初始口感柔和，慢慢进入平稳输出的用户，可以参照图 1 设定；喜欢初始口感暴力，再缓慢进入平稳的客户，可以参照图 2 设定。

图 1

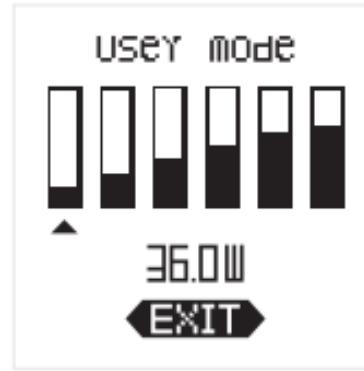


图 2



## 如何设置用户模式

用户模式一共有 6 条能量柱，每条能量柱代表 0.5S 的工作时间，每条能量柱上的一个能量块代表 10% 的功率值，当能量块在能量柱的中间位置，表示此时的功率输出为设定的初始值，通过+/-键增加/减少一个能量块，代表该工作时段的功率输出增加/减少 10%，设定完毕按点火键确认即可移动到下一个能量柱，依次类推，设定完毕跳到 (◀ EXIT ▶)，任意按+/-键，即可回到主界面。

## 5.温控模式：

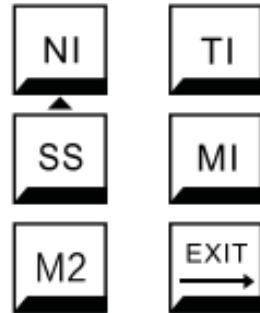
Ni / Ti / SS / M1 / M2

在主菜单切换至“”，按点火键确认后即可进入温控模式。按左右“+”“-”键在 Ni / Ti / SS / M1 / M2 模式之间切换，选定后按点火键确认即可进入对应模式。

进入温控模式后，按+键，功率符号 W 开始跳动，此时可以通过按住 +/- 键来增加/降低功率数值，调好按点火键确认。

进入温控模式后，按-键，温控符号 F/C 开始跳动，此时可以通过按住 +/- 键增加/降低温度数值，调好按点火键确认。

下和°C之间的循环切换：当温度到达°F的最大值（600°F）的时候，持续按键会自动进入°C的最小值（149°C）进行切换。



NI



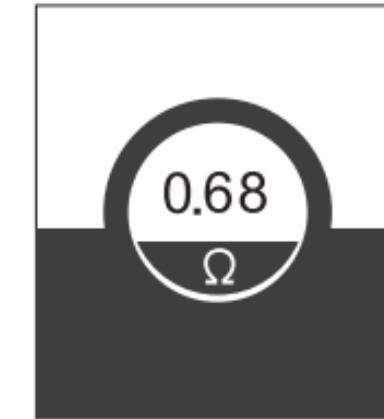
TI



SS



在温控模式下更换发热丝，待雾化器冷却至室温后再安装发热丝，发热丝安装完毕，显示屏会显示发热丝的初始阻值，如果这个数值准确，就可以直接使用，如果数值不是很精确，需要校正阻值后再使用。



## 6.TCR 模式 ( M1,M2 )

在 TCR 模式 ( 不同阻值的温度系数 ) , 允许用户设置自己的温控芯  
( NI, TI, SS ) 。

在主菜单中切换模式至 “  ” , 按点火键确认进入温控模式 ,  
选择 TCR M1 或者 TCR M2 , 选定后按点火键即可进入该模式。

## 如何设置 TCR?

进入 “ TCR ” 模式后 , 按点火键选择 TCR M1 或 TCR M2 , 通过按左右 “ + ” “ - ” 键来调节参数值 , 设定完毕后按点火键切换至 “ EXIT ” , 随意按下左键或者右键即可确认并退出该模式。

<b>TCRM1:</b>	 0.00080
<b>TCRM2:</b>	0.00100

**EXIT**

## 7.记录口数

无论在任何模式下，显示屏都会显示抽烟口数。若每一口的抽烟时长超过 0.8 秒，就会被记录为 1 口。主机自带记忆功能，即便是取出电池后数据也不会清零。初始数据是“0000”，当口数累计达到“9999”后，系统会自动清零。



## 如何手动清除抽烟记录？

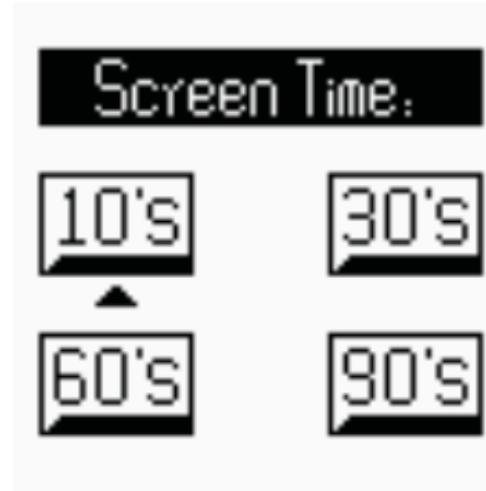
2s 内快速按 3 下点火键进入菜单栏，选择  
**RESET PUFF** 选项，按点火键

确认即可清零记录。



## 9.设置黑屏时间

2S 内快速按 3 下点火键进入菜单栏，选 “SET” 标志后进入子菜单，通过 “+” 键和 “-” 键选择 “Screen Time” 中的数值，选好后按点火键确认，屏幕即可在选定时间内黑屏。



## 10.校正雾化器的初始值

当连接一个新雾化器，同时按住 “+” 和 “-” 键可以精准校正新雾化器的初始阻值（一般在温控模式下校准电阻，可以使温控效果更精准，但注意在此操作前要保证雾化器的发热丝冷却至常温状态！！！）



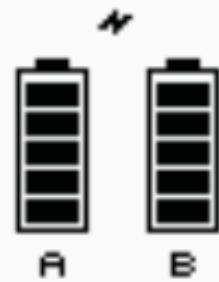
## 11. USB升级功能

连接电脑 USB 后，安装驱动成功后，打开升级软件，输入正确的 PID 号 7912，在 PC 端打开需要升级的程序，点击升级软件的开始键进行升级。升级完成后，就可以正常使用。

## 12. 如何充电

当单节电压低于3.3V时，显示屏会显示 Low Battery，此时需要为主机充电，连接电脑 USB 或者手机插头连接电源充电。

1. 充电状态下，显示屏能量柱滚动充电，能量柱停止滚动表示电已充满。
2. 充电状态不支持抽烟。



备注：如长期不使用机器，请每隔30-60天充一次电。

CHARGING



PCB TOO HOT

### 13.故障指示及产品保护

PCB板温度过热保护：

当主机工作温度过高，为保护主机，系统会自动切断功率输出，显示屏会提示：“PCB TOO HOT”



LOW BATTERY

低电提醒：

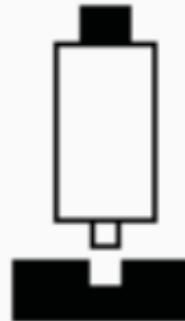
当电池电压低于3.2V时，显示屏会提示“LOW BATTERY”，此时要取出电池充电



**SHORTED**

雾化器短路保护：

当雾化器发生短路时，OLED 显示屏会提示“SHORTED”



**NO ATOMIZER**

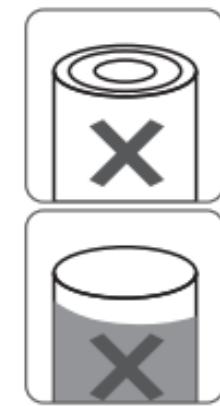
无雾化器检测：

当用户在没有连接雾化器的情况下使用该机，主机显示屏会提示“NO ATOMIZER”

## 不要使用破皮电池（以下四种情况建议不要使用）



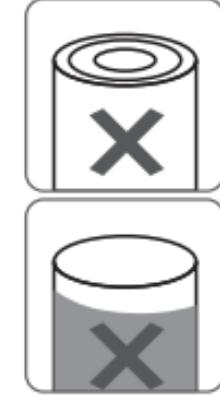
合格电池



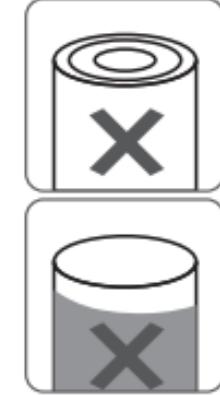
没有绝缘皮



正极没有绝缘皮



负极没有绝缘皮



正极绝缘皮破损

### 提醒

1. 使用前请仔细阅读用户手册。
2. 如果长期不用该设备，请取掉雾化器，以免烟油渗漏到主机内部。
3. 如果长期不用该设备，请取出电池，并放置在干燥、阴凉处储存。
4. 请把该设备放在儿童触碰不到的地方，孕妇及未成年人（低于18岁）禁止使用。

