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Made in China

iJOY®

Avenger 270 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

Product Introduction:

IJOY is changing the concept of what the future of vaping looks like with the new Avenger 270.

The Avenger Mod uses the latest technological advancement, voice control to bring you the first of its kind, an "AI" Vape Mod!

The Avenger is a unique One-Of-A-Kind vape platform designed to free the hands

by employing voice control functions that include : wattage up/down, lock device, light color and music color mode.

No more grabbing for your device while driving to change wattage. No more going through menus to change color options and mode options.

With the Avenger Mod's concise commands, you have control. Not just in the palm of your hand, but with the power of your voice also.

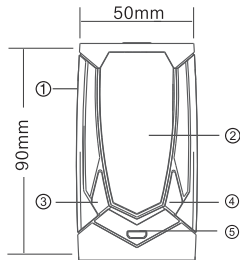
Parameter

1* IJOY Avenger 270

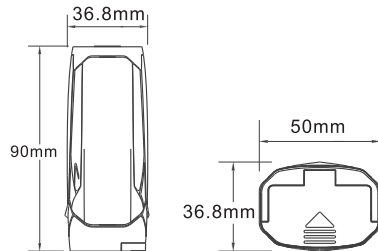
1* USB Cable

1* Manual

1* Warranty Card



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



Specifications

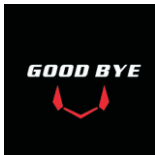
- Screen size: 1.3"
- Size: 90*50*36.8mm /3.54*1.96*1.45 inches.
- Output Wattage: 5watts-234watts.
- Output Voltage: 1Volts-8.0Volts.
- Output Current: 1.0A-40A.
- Temperature Range: 300-600°F/ 150-315°C
- Wattage control mode wire Resistance Range: 0.05ohm-3.0ohm

- 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
- Voice control
- DUAL 20700/18650 MOD

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 Avenger 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.



Variable Wattage mode



NI | TI | SS | M1 | M2 | Exit



LED



NORM/HARD/SOFT/USER Mode



TCR M1 | TCR M2 setting



Standby mode set

Press the firebutton 3 times within 2 seconds to enter the main menu. Press right and left to switch to "P" setting, press fire button to confirm and enter Norm mode. Press right and left buttons to adjust the wattage.

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.

Norm Mode: Maintains the currently set power.

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

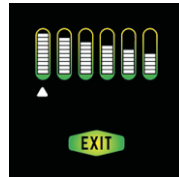
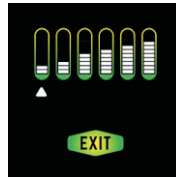
Soft Mode: 20% lower than the currently set power.

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



5. 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.



6. 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 "°F" or "°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

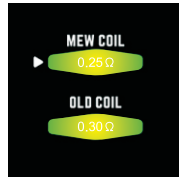


M1



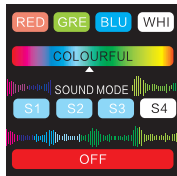
M2

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.



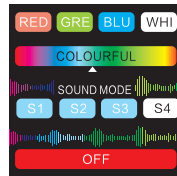
7. LED Multi-funcion Light

Switch to  in the main menu, press fire button to enter the LED Multi-function Light Settings. Press "+" "-" button to enter the corresponding mode.



8. Multi-function light description

- RED** Red light
- GRE** Green light
- BLU** Blue light
- WHI** White light
- COLOURFUL** Rainbow light
- S1** Music light s1
- S2** Music light S2
- S3** Music light s3
- S4** Music light s4
- OFF** Turn off the LED light

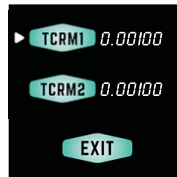


9.TCR Mode(M1,M2)

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 "TCR" setting, press fire button to confirm. Switch to M1/M2 modes. Press fire button to confirm.

10. 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.



11. Puff counter

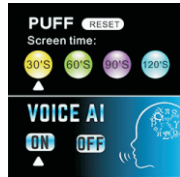
In any mode, the screen shows the number of puffs. If a puff more than 0.8s, it will be recorded as one puff. The device can remember the value even if you remove the battery. the default number is "0000". When the number reaches "9999", it will be cleared automatically.



Puff counter

12. How to clear the puff value manually?

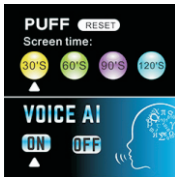
Press the fire button 3 times in 2s to enter the menu, choose **PUFF** **RESET** icon to enter the "PUFF rest" setting, press fire button to confirm your choice.



13. Voice Ai Setting

Press the firebutton 3 times within 2 seconds to enter the main menu, then choose the  icon to enter into the submenu. Press the "+" and "-" button to switch ON/OFF of "VOICE AI". Select "ON" to turn on the VOICE AI, "OFF" to turn off it.

In the voice control mode, please avoid using in a noisy environment.



14. Voice Instruction

Need to say "Hello IJOY" before using the voice control function. The function will stop automatically after 6 seconds.



The recognized speech is as follows:



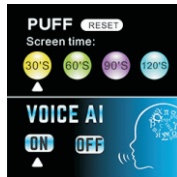
15. Auto Watt & Auto Power Voice Setting

When Voice control is on, if Auto Watt or Auto Power commands are spoken, the output power will be adjusted automatically to the optimum value according to the atomizer resistance to optimize the taste.

(If there is no atomizer, the screen will show: NO ATOMIZER)

16. Set the standby mode

Press the fire button 3 times in 2s to enter the menu, choose "⚙️" 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.



17. 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.



18. Lock Screen

With Voice AI activated, when "Lock Device" voice command is issued, the main menu will appear SMALL LOCK PICTURE (As shown in picture 15.1). Vaping cannot be done at this moment. And the BIG LOCK PICTURE will show after pressing the fire button (As shown in picture 15.2). Unlock the Device by quick pressing fire button 3 times or by saying "Unlock the device" when Voice AI is activated.



图1

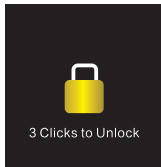


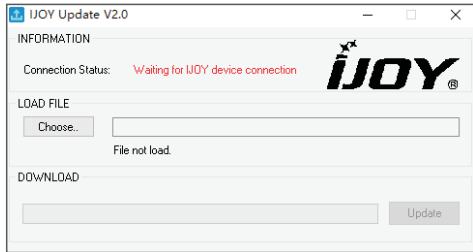
图2



图3

19. Firmware Upgrade

Connect to the computer USB and open the upgrade software(as shown in picture 16.1) . Wait for the upgrade software displays successfully connected . Click "Choose" on the PC and open the program to be updated. Click Update to start upgrade. After completing upgrade, it can be used normally.



20. 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.)



21. Malfunction Indication and Protection

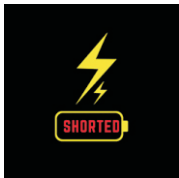
PCB temperature overheat protection:

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

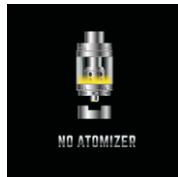


Low power alert:

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



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



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 Negative Pole



No Insulation Skin of the Positive 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

产品介绍：

IJOY Avenger 270 是首款人工智能语音功能的电子烟套装，支持 2 节 20700 电池工作，超长续航时间，酷炫的时尚外观，极具科幻感！个性的侧面点火大按键，彩色的 OLED 超大显示屏，可调 RGB LED 灯光按键，234W

功率，输出爆力，操作简单，支持 NI、TI、SS 等温控以及自定义等各种模式可选，支持大尺寸雾化器，支持 USB 充电和升级。配备 20700 电池，能量密度几乎超 1.5 倍于 18650，也可通过电池套使用 18650 电池！

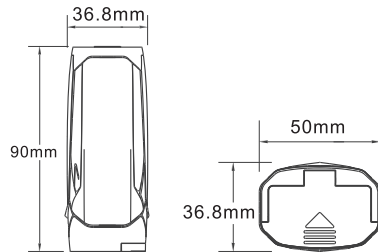
标准配置：

1* Avenger 270 主机

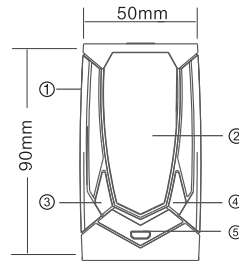
1* 说明书

1* USB 数据线

1* 保修卡



Avenger 270 / 44



- ① 点火键
- ② OLED显示屏
- ③ “-” 键
- ④ “+” 键
- ⑤ USB 接口

Avenger 270 / 45

产品规格:

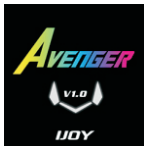
- 屏幕尺寸: 1.3"
- 主机尺寸: 90*50*36.8mm / 3.54*1.96*1.45 inches.
- 输出功率: 5watts-234watts.
- 输出电压: 1.0Volts-8.0Volts.
- 输出电流: 1.0A-40A.
- 温控范围: 300-600° F / 150-315°C

- 功率模式支持雾化器阻值范围: 0.05ohm-3.0ohm
- 点火方式: 按点火键
- 调节功率模式: 调节 +/- 键
- 固件升级: 支持.
- 输出模式: 功率/钛/镍/不锈钢/特殊的用户自定义模式
- 电池类型: 双 20700

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，显示屏会显示 Avenger 以及软件版本号界面(如图1.1)，关机后会出现 GOOD BYE 界面。(如图1.2)



(图1.1)



(图1.2)

(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 Avenger270 开机的状态下且没有锁屏时，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，Avenger 会默认进入上次设置的模式。

3. 菜单介绍

2S 内快速按 3 下点火键，进入主菜单，
(如图 3.1) 可以通过“+/-”键选择图中的 6 个小图标，每个图标对应的功能见 (图3.2)



(图3.1)



NORM 模式



LED 设置



TCR M1/TCR
M2 设置



NI ITI \$S M1 M2 Exit



NORM/HARD/SOFT/USER模式选择



Set 设置 (设置记录口数，
关屏时间, VOICE AI)

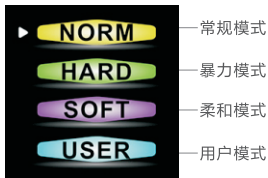
4. NORM 模式

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 “  ”，按点火键确认后即可进入NORM 模式，功率模式下可通过调节 “+” “-” 键或者语音指令来调节功率大小。

5. 功率模式选择

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 “+” “-” ）在不同功能之间切换，选定 “  ”后按点火键确认，即可进入功率模式选择界面。(见图5.1)

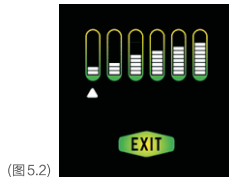
- 常规模式：进入设置模式前设定的功率值
- 暴力模式：能量输出强度为原设定功率上增加 30%
- 柔和模式：能量输出强度为原设定功率上减 20%



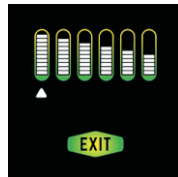
(图 5.1)

6. 用户模式设置

为满足不同用户的抽烟习惯，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5.2) 设定；喜欢初始口感暴力，再进入平稳的客户，可以参照 (图5.3) 设定。



(图 5.2)



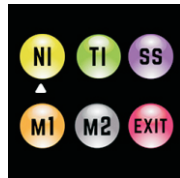
(图 5.3)

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 ()，任意按+/-键，即可回到主界面。

7.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。如图 (6.1) 所示。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对应模式。



进入温控模式，按+键功率值开始改变，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。

°F 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

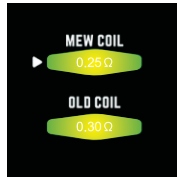


M1



M2

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，需要同时按下“+”“-”键校正阻值后再使用。



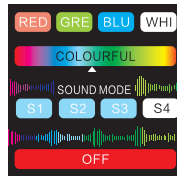
8. LED 多功能灯设置

在主菜单切换至“”，按点火键确认后即可进入 LED 多功能灯设置，按“+”“-”键确认即可进入对应模式。



9. LED 多功能灯说明

RED 红灯 GRE 绿灯 BLU 蓝灯
WHI 白灯 COLOURFUL 彩色跑马灯
S1 音乐模式1灯 S2 音乐模式2灯
S3 音乐模式3灯 S4 音乐模式4灯
OFF 是关闭LED灯



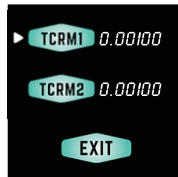
10.TCR 模式（M1,M2）

在TCR模式（不同阻止的温度系数），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“TCR”，按点火键进入TCR设置界面，选择TCRM1或者TCRM2，选定后对TCRM1和TCRM2的值设置

11. TCR 模式设置方法

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。



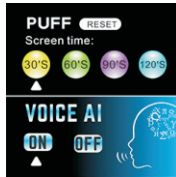
12. 记录口数

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。



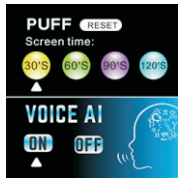
13. 吸烟次数清零

2s 内快速按 3 下点火键进入菜单栏，选择 **PUFF** **RESET** 选项，按点火键确认即可清零记录。



14. 智能语音设置

2s内快速按3下点火键进入菜单栏，选“”标志后进入子菜单，通过“+”键或“-”键选择“**VOICE AI**”中的 **ON** 或 **OFF**，选择 **ON** 表示打开智能语音，选择 **OFF** 表示关闭智能语音。



温馨提示：

使用语音功能时，避免在嘈杂环境中使用！

15. 语音指令说明

每次使用语言功能前，都需要说 Hello IJOY，6 秒之后语音功能自动停止。



识别的语音有

Hello IJOY → 开启语音

Lock device → 锁屏

Shut down → 关屏

Turn on light → 打开LED灯

Change color → 改变灯的颜色

Romantic light → 浪漫灯

Music light → 打开音乐灯

Auto watt → 自动设定功率

Auto power → 自动设定功率

Unlock device → 解除锁屏

Power high → 功率上调10Watt

Power low → 功率下调10Watt

Light off → 关闭LED灯

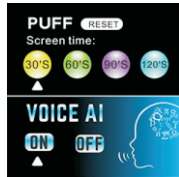
16.Auto Watt&Auto Power 语音说明

在语音功能开启的情况下，说出 Auto Watt 或者 Auto Power 指令时，输出功率会根据雾化器阻值调整为最佳值，使口感达到最好。

(如果没有雾化器时，主机屏幕会提示：NO ATOMIZER)

17. 设置关屏时间

2S 内快速按 3 下点火键进入菜单栏，选 "  " 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关屏。



18. 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！！！）

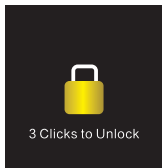


19. 锁屏设置

在语音功能开启的情况下，当发出 lock device 的语音时，主界面会出现一个小锁图（如图15.1），表示屏幕，此时不能进行吸烟，按点火键时会出现一个大锁图标，(如图15.2)。解锁方式快速连按三次点火键会出现解锁图标解锁，或者在语音开启时发出 UNLOCK DEVICE (如图15.3) 的语音时解锁。



(图15.1)



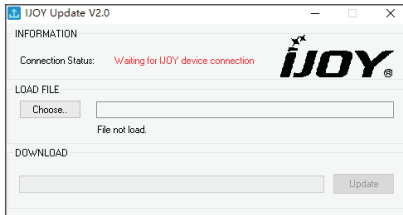
(图15.2)



(图15.3)

20. USB升级功能

连接电脑 USB 后，打开升级软件，（如图所示16.1）。等待升级软件上显示连接成功，在 PC 端单击 Choose 打开需要升级的程序，点击 Update 开始升级。升级完成后，就可以正常使用。

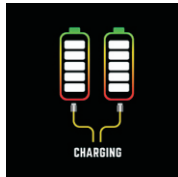


(图16.1)

21. 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。



22.故障指示及产品保护

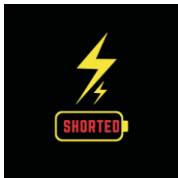
PCB 板温度过热保护：

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 HOT)



低电提醒：

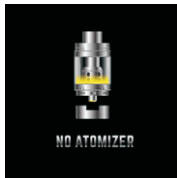
当电池电压低于 3.2V 时，显示屏会提示“LOW BATTERY”，此时需要充电。



雾化器短路保护：

当雾化器发生短路时，OLED 显示屏会提示“SHORTED”

Avenger 270 / 80



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”

Avenger 270 / 81

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



负极没有绝缘皮

正极没有绝缘皮



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。

