KOOPOR™

Plus - User Manual

KP200

Plus - User Manual

KOOPOR

KOOPOR Plus

KOOPOR

KOOPOR [/ˈkubɚ/] = COOL VAPOR !

KOOPOR is an attitude.

KOOPOR is fresh and young. Young is our attitude! We believe that the APV (Advanced Personal Vaporizer) is a revolution, which brings a healthier life for us. We seek the high performance, reliable and affordable APVs all the time. KOOPOR is on the way to design and make great APVs, for everyone, cost-effective and affordable! We firmly oppose extravagant profits, and insist to feed our customers by highly cost-effective ones.

KOOPOR is a big family.

KOOPOR, when its design and team-boosting from the moment of conception, is deeply suffering from the impact of global vaping players: we're talking and sharing with each other in forums, in Facebook timelines, in tweets. We're listening and feeling surprise, revelry, disappointment and frustration among us, finally, we are full of hope again, like a family. Hope, yeah, we'd love to make better goods for this big family! KOOPOR is born for this big family.

KOOPOR Plus

KOOPOR Plus features Dual Driver System and HFDMR (High-frequency Dynamic Monitoring Resistance) Technology, which can bring the temperature control effect to the next level!

Recently, most devices on the market have "single driver system", which means that it's only one option, either boost or buck the voltage. However, KOOPOR has integrated our own Dual Driver System that works to buck and boost the voltage to improve the accuracy and speed of regulating, and enhance the consistency and taste of every puff.

Or let me explain that by using a metaphor: other devices can be compared to front or rear wheel drive vehicle, and KOOPOR to all-wheel drive, which tends to produce a more outstanding performance.

HFDMR, is a high-frequency resistance sensing technology, which can detect atomizer resistance once every 250 microseconds, with a precision of approximately 4000 times per second, thus regulating the temperature of heating coil more effectively.

Constructed from stainless steel with a zinc-alloy coating, it looks modern and feels comfortable. Magnet-held battery cover design makes sure that, with a gentle touch, you will simply slide it off and replace the battery in seconds! This compact mod takes dual 18650 batteries, and provides 200 watts of maximum output!

This is KOOPOR Plus, helps to satisfy all your desire for temperature control, strong power and high quality.

Packing List

Gift Package

1 x KOOPOR Plus（KP200）

1 x KOOPOR Plus User Manual
1 x KOOPOR Plus Customer Card
1 x KOOPOR Plus Battery Safety Warning Card

Verification

1. Using your Smartphone or PC to visit KOOPOR official website:
http://www.koopor.com/support/

2. Scratch off the coating of the security label on packing box to get the 16 anti-fake codes. Fill them into the input box on the webpage to verify. The result will come out after a few seconds.

3. If you have any question, please contact KOOPOR consultant via e-mail, phone or our website to get more help.

Warranty

KOOPOR Plus Warranty Period: 6 Months from the Purchase Date.

Within the 6 Months, some items may not be eligible for service due to misuse, damage, or other failures caused other than by manufacturer defects or premature failure. Please contact KOOPOR Authorized Vendor for more information and terms of service.

The "KOOPOR Plus Customer Card" is an important proof for customers to get warranty service, please keep it. And read the card carefully and fill it out correctly. Warranty requests must be accompanied by this card.

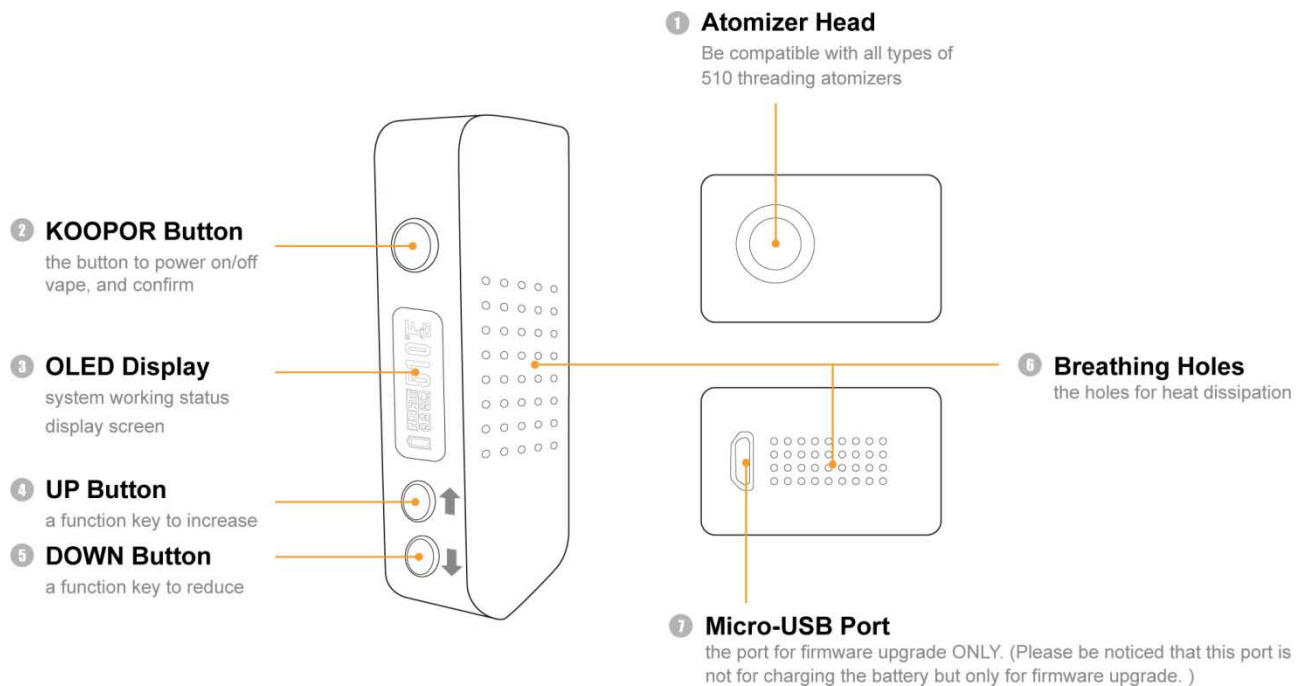For more warranty policy and process, please visit our official website:
http://www.koopor.com/support/

Welcome to download our APP, share your vaping experience and communicate with KOOPOR's global users here.

User Guide

1. Schematic Diagram

Atomizer Head
Be compatible with all types of 510 threading atomizers

KOOPOR Button
the button to power on/off vape, and confirm

OLED Display
system working status display screen

UP Button
a function key to increase

DOWN Button
a function key to reduce

Breathing Holes
the holes for heat dissipation

Micro-USB Port
the port for firmware upgrade ONLY. (Please be noticed that this port is not for charging the battery but only for firmware upgrade.)

2. Install Battery

KOOPOR Plus adopts the magnet-held battery cover design to make sure that, with a gentle touch, you will simply slide it off and replace the batteries in seconds!

Steps:

1. Please confirm to use dual 18650 batteries with enough power.

2. Slide to open the back cover and place the batteries into the device according to the correct directions, and then close the battery cover.

3. Click *KOOPOR Button* 5 times quickly in 2 seconds to power on. The display screen successively shows "WELCOME", brand "KOOPOR PLUS". Wait for 2 seconds for the activation.

4. If the screen is not lighted, please check if the batteries are OK, or placed in the correct direction or if the batteries have enough power.

5. Please contact with our customer consultant if it still can not be powered on.

3. Attach Atomizer

KOOPOR Plus atomizer head is using a new generation of elastic-touch design, perfectly fits a variety of atomizers.

Please confirm that the atomizer head should not be blocked by any stems before attachment:

1. Connect the atomizer to the device and tighten it clockwise.
2. After the device is powered on, please press the *KOOPOR Button* to vape.
3. IS NEW COIL? Y/N: A new coil will be detected in the TC Mode. Press *UP Button* if you're using a new atomizer and Press *DOWN Button* to confirm it's the same one.

4. Operations

1. *Power On:*
   ① While the device is off power, fast click *KOOPOR Button* 5 times in 2s to start up.
   The screen successively shows "WELCOME", brand "KOOPOR PLUS";
   ② From standby status, shortly press *KOOPOR Button* to active the system and light the display screen.
2. *Power Off:* While the device is locked, hold *KOOPOR Button* for 5s, then the display screen shows "GOOD BYE!", and the screen turns off, which means the device is power off.
3. *Vaping:*
   ① While the device is power on, hold *KOOPOR Button* to vape (it will be forced to stop working when one vaping is longer than 12s, release once to vape again);
   ② Release *KOOPOR Button* and enter standby mode; if without any operation in 5 minutes, need to be restarted if use again.
4. *Screen Unlocked Status:*
   ① Press *UP / DOWN Button* to adjust the temperature or wattage settings;
   ② Press *UP+ DOWN Button* simultaneously to lock the *UP / DOWN Button* to avoid accidental operation;
   ③ Press *KOOPOR+ UP Button* simultaneously to choose working mode between TC Mode, VW Mode and Memory Mode;
   ④ Press *KOOPOR + DOWN Button* simultaneously to choose different effect Normal/Soft/Hard/Max/Min.
5. *Screen Locked Status:*
   ① Press the *KOOPOR+ UP Button* simultaneously to turn display stealth mode ON;
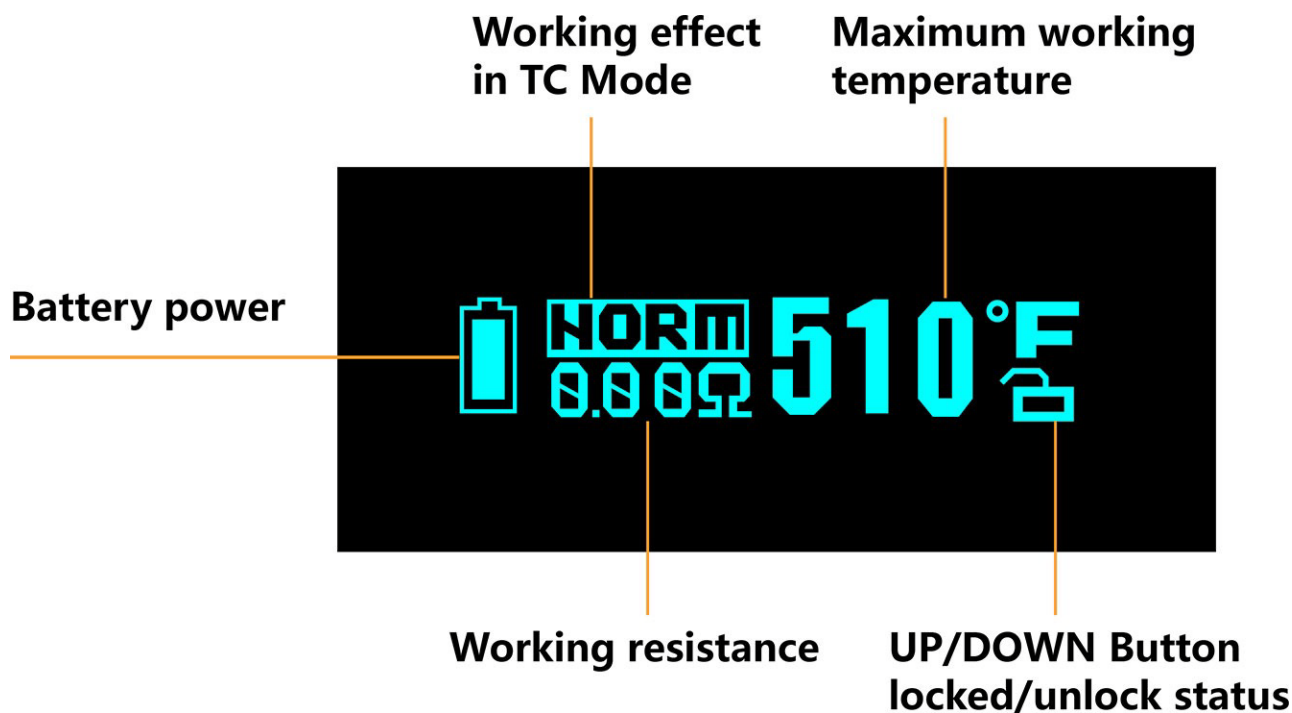   ② Press the *KOOPOR + DOWN Button* simultaneously to turn display stealth mode OFF;
   ③ Press the *UP Button + DOWN Button* simultaneously to flip the screen.
   ④ Hold the *KOOPOR Button* for 5s, choose OFF to power off.
6. *Saving:* All the settings will be automatically saved while settings done. No need to reset after power on.

7. *Menus & Prompts:* After startup, fast press the *KOOPOR Button* 3 times in 2s, then you will go to the operation menu. And then, long-press on the *KOOPOR Button* to confirm; *UP/DOWN Button* could do menu moves.

5. TC Mode

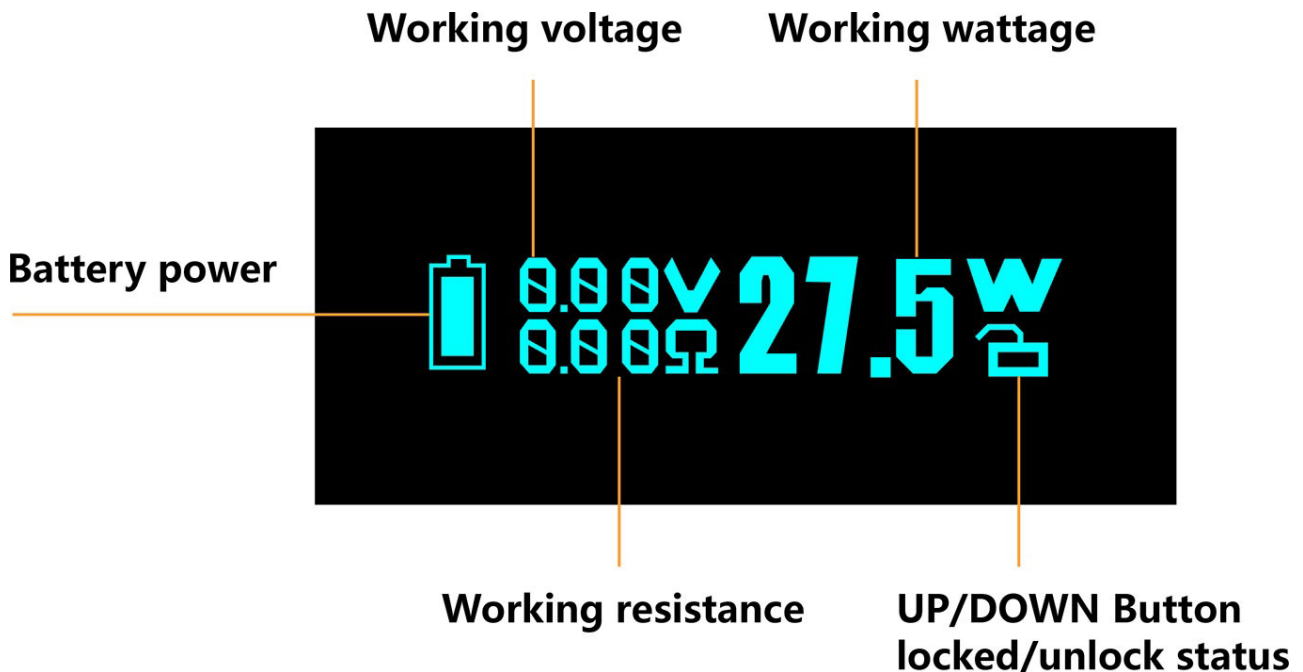TC Mode is available when KOOPOR Plus works with a TC type atomizer.

1. Enter TC Mode: switch between TC Mode and VW Mode by pressing KOOPOR+ Up Button simultaneously while screen is unlocked.

2. In the TC Mode, please use the UP / DOWN Button to adjust the temperature settings with an increment/decrement of 10 degrees Fahrenheit (about 5 degrees Celsius) to get the best preferred settings. Then wait for 5 seconds or hold down KOOPOR Button to switch between the Hard/Normal/Soft/Max/Min vaping effects. After the above steps are completed, under TC mode, you can also select coil material: TC-NI/TC-TI/TC-SS, or adjust Nickel TCR(Temperature Coefficient of Resistance), or set atomizer type: NICKEL Single Coil or NICKEL Dual Coil.

3. Lock the UP / DOWN Button by pressing the UP+ DOWN Button simultaneously, to avoid accidentally pressing. Again, simultaneously press to unlock UP / DOWN Button.

4. When the screen shows "TEMPERATURE PROTECTED", the heating coil reached the maximum allowed temperature during the vaping. If it happens, the KOOPOR Plus will continue to fire, but will not be able to provide the desired wattage.

6. VW Mode

Working voltage

Working wattage

Battery power

**Working resistance**

UP/DOWN Button locked/unlock status

KOOPOR Plus VW Mode is available for all types of atomizers.

1. Enter VW Mode: switch between TC Mode, VW Mode and Memory Mode by pressing KOOPOR Button + Up Button simultaneously while screen is unlocked.

2. In the Wattage Mode, use the UP / DOWN Button to adjust the wattage settings with an increment/decrement of 0.1w to get the best preferred wattage. Then wait for 5 seconds or hold down KOOPOR Button to switch between the Hard/Normal/Soft/ Max/Min vaping effects.

3. Lock the *UP / DOWN Button* by pressing the *UP+ DOWN Button* simultaneously, to avoid accidentally pressing. Again, simultaneously press to unlock *UP / DOWN Button*.

7. Memory Mode

KOOPOR Plus Memory Mode is designed to save your time and effort.

Working effect in Memory Mode

Memory Mode

Battery power

Working Resistance

Default Wattage
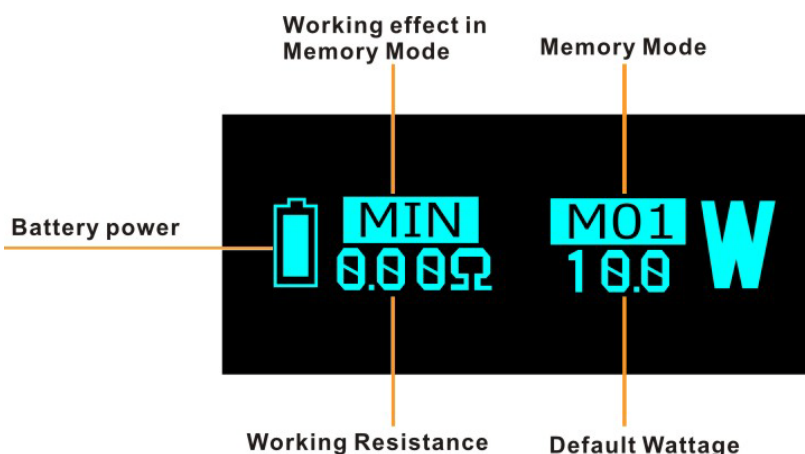
1. Enter Memory Mode: switch between TC Mode, VW Mode and Memory Mode by pressing KOOPOR Button+Up Button simultaneously while screen is unlocked.
2. In the Memory Mode, use the UP/ DOWN Button to switch between the Hard/Normal/Soft/ Max/Min vaping effects. And then wait for 5 seconds or hold down KOOPOR Button to enter M01-M20, and adjust default wattage among them by pressing the UP/DOWN Button. Their wattages are adjustable from 6W to 200W. After the above steps are completed, press KOOPOR Button or wait for 5 seconds to save the wattage you prefer.

8. Self-protection

KOOPOR has dedicated to make high performance and reliable APVs for vapors. KOOPOR Plus comes with the following self-protection functions. When the device is under abnormal condition, it will enter protection mode, and stop working to ensure the users' security until the problem is solved.

1) *Atomizer Intelligent Recognition*
2) *System Over-heating Protection*
3) *Current Overload/Short-circuit Protection*
4) *VoltageLow/Over Protection*
5) *Vaping-time Limit Protection*

8. Warnings

1. Please keep the device away from excessive temperature and humid environment to prolong its life time.
2. Please take the battery out of the device when it's not used for a long time.
3. Please keep the device away from children, pregnant women, and minors (under 18 years of age).
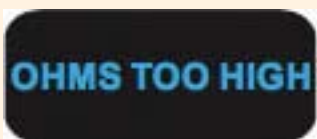
Appendix 1. Product Specification Table

Items		Details
Basic	Name	KOOPOR Plus
	Model	KP200
Appearance & Size	Material & Technics	Stainless steel and zinc alloy
	Weight (g)	~ 245g
	Height(mm) x Width(mm) x Depth(mm)	100mm x 59mm x 24.5mm
Atomizer Head Threading		510
Working Mode		TC(Temperature Control) Mode VW(Variable Wattage) Mode Memory Mode(M01-M20)
TC Mode Temperature Range		200 - 600 ℉ (100-315 ℃)
Support Temperature Sensing Coil Material		Ni200/Titanium/Stainless Steel
Atomizer	TC Mode	0.08-3.00 Ω
	VW Mode	0.10-3.00 Ω
Battery		Removable design, suit with dual 18650 batteries
Electrical Parameters	Power	6 - 200 w
	Voltage	$0.35 - 8.00$ v
	Current	Standby Current：< 300 μA Working Current： the maximum current should be less than 50A when the resistance is 0.1 ohm.

Appendix 2. Key Function Table

Key	Function(Screen Unlock Status)	Function(Screen Locked Status)
KOOPOR	Fast click 5 times in 2s - Power On Fast click 5 times - Locked Screen Fast click 3 times in 2s - Menu Choose Hold on - Vape Release - Standby	Long press 5s - Power Off Fast click 5 times - Unlock Screen
UP	Increase the temperature （TC Mode） Increase the wattage （VW Mode/ Memory Mode）	
DOWN	Reduce the temperature （TC Mode） Reduce the wattage （VW Mode/ Memory Mode）	
KOOPOR + UP	Change Working Mode(TC / VW/ Memory)	Turn display stealth mode ON
KOOPOR + DOWN	Change TC Effect (Hard/Normal/Soft/Max/Min)	Turn display stealth mode OFF
UP + DOWN	Locked UP & DOWN keys, Again, Unlock keys	Flip the screen

Appendix 3. Screen Prompts Table

Prompts	Details
WELCOME!	Power on successfully
GOODBYE!	Power off successfully
UNLOCKED CLICK 5X	Fast click 5 times KOOPOR button to unlock the screen
LOCKED CLICK 5X	Fast click 5 times KOOPOR button to lock the screen
WEAK BATTERY	Battery power isn't enough, change batteries
HIGH INPUT	Battery voltage is higher than need, change batteries
NO ATOMIZER	Atomizer hasn't been detected, attach an atomizer
OHMS TOO LOW	Low resistance value been detected, replace atomizer
OHMS TOO HIGH	High resistance value been detected, replace atomizer
SHORTED	Short circuit has been detected, replace atomizer

TEMPERATURE PROTECTED	Temperature protection under TC Mode
DRY COIL NO LIQUIDDRY COIL NO LIQUID	Atomizer coil is heating without liquid under TC Mode, fill juice
TOO HOT!	System is overheating, stop working
[icon]	Mode Settings
[icon]	Vape Data
[icon]	Basic Function Settings
[icon]	Stealth Mode Waiting Time
[icon]	Screen Contrast
[icon]	Screen Rotation
[icon]	Adjust Initial Resistance Under TC Mode
[icon]	Power ON/OFF

	Exit Menu