KangerTech®

KBOX 120 / 200

KBOX 120/200 makes use of the new design PCB which gives series of new function. It supports Nickel, Titanium, Stainless steel and normal Nichrome resistance wire with temperature control. Temperature regulation of 1000 times per second monitor the resistance wire much accurate and with output of 120W/200W. It integrates all the necessary safety protection with smart charging current function. Each KBOX 120/200 have it unique serial number and with software upgradeable.

Specification:

KBOX 120:	Output 120W
KBOX 200:	Output 200W
Casing:	Zinc Alloy/Aluminum Alloy
Thread:	Spring loaded 510 threads
Display:	LCD
Height:	84mm
Length:	56mm
Width:	22mm
Weight:	127g (exclude 18650 cell)
Output watt:	7W to 120W with 0.1W increment
Charging:	Micro USB, DC 5V at 1.5A
Cell:	Lithium 18650, 3.7V (must discharge over 30A)
Resistance :	Ni200, Ti, SS at 0.05Ω or above Nichrome wire, 0.1Ω or above
Temperature control:	100℃ to 315℃ and then 200℉ to 600℉

KBOX 120/200 using method:

1. 5 speedy click to switch on/off the battery.
2. After switch on, LCD display "KANGER TECH" at stand by mode.
3. Press fire button 3 times, choose your resistance wire, Ni 200 , Ti , NiCr , SS or pure wattage output.
4. For pure Ni 200, Ti, NiCr or SS resistance wire , you can set your desire coil temperature to fit your taste.
5. For power output mode, set your desire working wattage which best fit you.
6. Press (+) and (-) together to choose LCD display orientation.
7. Press (+), (-) and fire button all together, this can lock the up and down button once you have best setting by pressing the entire button together.
8. In case you change the coil or vape in others environment of presetting, you may need to calibrate the KBOX 120/200 atomizer as new coil : YES (+), NO (-) for best performance.

KBOX protection

1. Short circuit protection, LCD flash and display "0.0 Ohm"
2. Atomizer open circuit, LCD flash and display "9.9 Ohm"
3. Cell reverse protection, no power output when cell reverse to install.
4. PCB over temperature protection, and battery stop function and LCD display "Temp High"
5. 10 second overtime usage protection, no power output and LCD display "10S OVER"
6. Cell capacity protection, when cell capacity drop too low, cell indicator will flash.

LCD display:

NO.	Process	LCD Display	Function	Explanation
1.	When battery is switch off, press fire button 5 times with in 2 second to switch on the battery.	Kanger Tech	Battery on / off	
2.	To select temperature control materials switch on the KBOX 120/200, press 3 successive click on fire button, to shift to another mode, just press 3 successive click on the fire button.	315 Ni / 315 Ti / 315 NiCr / 315 SS	Sequence of tempertaure control wire type: Ni: Pure Nickel Ti: Titanium NiCr: Nichrome SUS: Stainless steel	Choose your suitable coil resistance type which made of, Ni: Nickel 200, Ti: Titanium, NiCr: NiChrome and SUS: Stainless steel. Once coil wire is choosen, it will run in temperature control mode with the your pre-set temperture value. It is remind that user must choose their right coil wire and in corresponding mode for proper function.
3.	At temperature control of Ni 200 (pure Nickel), Ti (Titanium), NiCr (Nichrome) or SS (Stainless steel) you can adjust desire temperature.	315	For example of Ni mode, press up (+) or down (-) button to set the desire temperature of the coil achieve. Temperature range from 100℃ to 315℃ and then 200℉ to 600℉	Once set up the desire temperature, KBOX 120/200 will cut off the output once the coil reach your preset temperature
4.	Other than the 4 temperature control mode, the final mode is full power wattage output, this is the last setting behind the temperature control selection of SS mode.	120W	Temperature control off	Display the resistance value and wattage setting. At stand by mode, vottage = 0.00V Once press the fire button, it will display corresponding vottage irrespective to coil temperature.
5.	To reverse the LCD display, switch on KBOX 120/200, press up and down button together for 2 second together.	120W / 120W	Choose the best LCD display for the left or right hand holding	There are only two options.
6.	Screen display selection, press the fire button and (+) together.	120W / 120W	Choose the back screen in Black or White	There are only two options.
7.	When the battery is switch on, press fire button 5 times with in 2 second	OFF	Battey in off mode	For long period storage
8.	In using Ni/Ti/NiCr/SUS resistance wire once change the coil, KBOX 120/200 detect your coil value automatically	NEW COIL YES + / NO -	Use the up or down small button and to choose New coil: up (+) button Old coil: down (-) button	This is to calibrate the coil resistance for Ni 200 or Ti coil, make sure the coil in the room temperature (the environment you vape) to ensure best temperature control.
9.	When 18650 drain out	120W	Press the fire button 18650 cell indicator blank	18650 cell need to recharge
10.	Short pretoction	0.00Ω flash / 120W	0.00Ω flash	Some portion is short, check spring load connection or atomizer
11.	Open circuit	9.99Ω flash / 120W	9.99Ω flash	Poor connection of sping load or atomizer worn out.
12.	Long time pressing	Over 10S	Prevent over time firing	This prevent accidental pressing the fire-button
13.	When the battery is switch on, press all the three button to lock the key button and vice versa.		To disable the up / down small button	Fire button still can use, this prevent the accidental setting shift.

Assemble:

- Switch button
- LCD display
- Wattage "+"
- Wattage "-"
- Micro USB

Remarks:

This package does not include the 18650 cell or charger. Customer need to choose suitable 18650 cell and the corresponding charger. The cell output should be 30A or above.

Once the capacity indicator drop to minimum, the cell need to be recharge.

End user must choose the correct temperature control mode corresponding to their resistance wire for KBOX 120/200 to function normal.

Ni 200 wire suggest to use in TC mode only.

The information contained in this manual is subject to change without notice.

Warning:

1. Do not charge the cell outdoors and keep away from water.
2. Do not use this kit for others purpose except only for vaping.
3. Do not try to disassemble the battery or else warranty will be invalid.
4. Do not use the resistance wire value others than specify.
5. Do not swallow the e-liquid.
6. Do not use this battery for others purpose except only for vaping.
7. Do not look into the drip tip when vaping to prevent juice spit in eyes.
8. Do not touch or spill the nicotine liquid contained in the cartridge.
9. Do not use the electronic cigarette more frequently or for longer periods than conventional cigarettes. The electronic cigarette is not a smoking cessation device.
10. Keep all components away from children and pets.
11. This product is intended for use by adults and not by child, women who are pregnant or person having disease or sick which may affect by this product.
12. For people with adverse reaction after using this product, it is recommended to use the Juice with lower nicotine content or no nicotine.
13. No not try to open KBOX 120/200 to repair its dangerous. for unqualified person.
14. Improper use of this product may take own risk.
15. We will not guarantee products that have been damaged through improper use or intentional damage

Device S/N Checking

Step 1: Select the mode of Ni.
Speed press "+","-","+","-","+" or "-","+","-","+","-".
The LCD will display S/N.

Step 2: Click www.kangertech.com.
Select top menus bar Authentication.
Select Battery Authenticity Checking.

Step 3: Input your device model .
Input your mail to register.
Input your device S/N in step.

Step 4: It will feedback the checking result.

- "+"
- "-"