digital controlled devices

dicodes

Dani Extreme V2+

short manual

01 dicodes Dani Extreme V2+

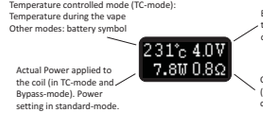
The Dani Extreme V2+ is an electronically controlled MOD to be used with various atomizers of different sizes and diameter. It is offered in three different sizes and prepared to use one Li-Ion battery of size 18350, 18500 or 18650.
The Extreme V2+ has an adjustable high force spring loaded center pin made of copper beryllium (very hard) and an unique simple to use menu structure.
It is equipped with an OLED display, has a power output of up to 40W (up to 12V or 15A at the coil), and provides the option of temperature controlled vaping with many different kinds of wire-materials, for example dicodes-resistance-wire (RESISTHERM NiFe30), nickel, titanium, appropriate stainless steel, and others.
We recommend the dicodes-resistance-wire for optimal performance, ease of use and unique liquid flavor.

02 Features

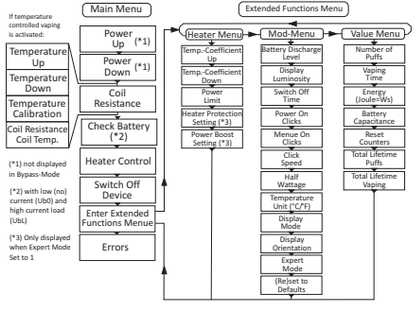
- 5 to 40W with one Li-Ion battery
- Adjustable spring loaded high force 510-thread center pin made of CuBe
- Adjustable battery discharge level 2.5-3V
- Up to 12V output voltage
- Up to 15A output current
- Temperature controlled vaping mode with various wire-types
- Mechanical MOD mode (electronically overload protected)
- 10 Power boost modes
- 10 Heater protection modes
- Atomizer resistance range 0.05 to 5 Ohms, total range
- Atomizer resistance 0.2-3.5 Ohms (40W, guaranteed)
- Reverse battery protection
- Versatile easy to use menu structure
- Individual user preferences selection
- 2Year warranty

03 Display Operation

The MOD is equipped with a graphical OLED display which provides all important informations about the status during the vape and/or for 4 seconds after each vape (see display mode setting).



04 Menu Overview



05 Main Menu

Power Up and Power Down
Power Up increases the power to the Power-Limit value and then rolls over to 5W. Power Down decreases the power down to 5W and then rolls over to the Power-Lim value. The Power-Limit value is adjusted in the Extended Functions Sub-Menu "Heater" and provides a protection feature for atomizers which are not prepared for high wattage or to reduce the power range intentionally.

Temperature Up and Temperature Down
This Menu items are ***only displayed if temperature controlled vaping is selected*** (see Heater-Control menu item below). The Temperature Up/Down menu sets the setpoint for the coil temperature during vaping. The temperature setpoint can be selected from 120°C to 280°C (250°F - 540°F) in steps of 5°C (10°F). To have high precision temperature control, a correct reference measurement is mandatory. Refer to manual for further details.

Manual Coil Temperature Calibration (*1)
This Menu item is ***only displayed if temperature controlled vaping is selected*** (see Heater-Control menu item below). The Temperature calibration measures the cold (20°C) coil resistance as the reference for temperature controlled vaping. The calibration must be confirmed in a second step to avoid accidential activation. Calibration is performed when"process" is displayed and completed when display lapses.

Coil Resistance and Coil Temperature
This is a display only menu item. The coil resistance is displayed in a range from 0.0 to 9.90 Ohms. If temperature controlled vaping is selected, the current measured coil temperature is also displayed.

Battery Status
The Check Battery item shows the battery voltage with little current drained (Ub0) and the battery voltage under load during the last puff (UbL). The difference is the voltage drop of the battery. A high drop indicates a poor battery or contact problems.

Heater Control (*2)
The mod can be used in up to 5 operation modes. The default operation is either standard (0, power setting) or temperature controlled vaping (1). With the "Expert Mode" (Extended Functions Menu) enabled, additional operation modes are Heater Protection (2), Power Boost (3), and Bypass (4, mechanical mod). With Expert Mode disabled, the menu options 2..4 are masked out.

Switch Off Device
Beside the Auto-Power-Off feature, the user can actively switch off the device. It is recommended to switch the device off or wait until auto-power-off, before the battery is replaced, because then the statistic counters are saved. Otherwise the changes since the last power up are lost.

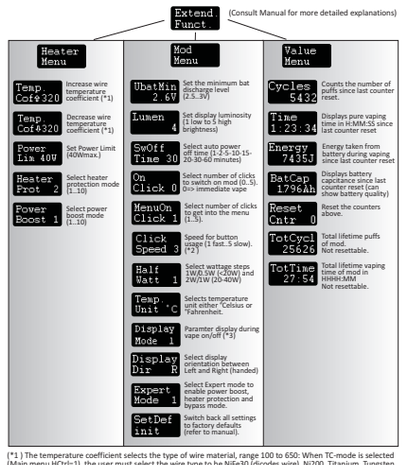
Extended Functions Menu
The Extended Functions Menu provides three logically grouped sub-menues:
Heater Menu ➡ Settings related to the heater or coil
Mod Menu ➡ Settings related to the individual usage and appearance
Value Menu ➡ Provides several statistics of vaping

Error Messages
If an error occurs, the mod directly jumps to the error menu and displays the error number and a mnemonic (short-term) description.
Important Errors are (for further information, please refer to manual):
1 ChkAtom: No atomizer detected or open coil.
2 TempRef: A problem during the temperature reference measurement occured
4 OverCur: Short on coil or coil breakdown (open)

(*1) This measurement is important for temperature controlled vaping. Make sure, that the coil has cooled down before performing the reference measurement. Otherwise the temperature display and control will have an offset. E.g.: If done at 40°C coil temperature the actual temperature will be 240°C instead of selected 220°C.

(*2) When Hctrl is set to 1 (TC-mode), the user has to select the type of wire used for temperature controlled vaping.

06 Extended Functions Menu



(*1) The temperature coefficient selects the type of wire material, range 100 to 650: When TC-mode is selected (Main menu HCtrl=1), the user must select the wire type to be NiFe30 (dicodes wire), Ni200, Titanium, Tungsten (Wolfram), Stainless Steel (Inox) or "Other". The value for "Other" is adjusted here. The values of the predefined wire-types are 320=dicodes-wire, 620=Nickel, about 105=Stainless Steel, 350=Titanium (varying literature values, danger: fire harzard), 440=Tungsten (Wolfram). Value to select = Literature-value*10E5 K.
Example: Ni 6.2E-3*1/K * 10E5*K => 620

(*2) Setting 1 (fastest) as 2 but without animation (visual shift effect), setting 5 (slowest) as 4, but without fast auto-repeat.

(*3) When temperature controlled vaping mode is selected and with display mode=1, the current values of "Power", "Temperature" and "Wire-Resistance" can be observed during the vape. In standard mode, the battery symbol, power and resistance is displayed. In Bypass mode the calculated power is displayed.
With display mode =0 these parameters are displayed after the vape with the latest values.

07 Remarks and Notes

Battery
Always use batteries with high drain or very high current capability (even with lower cpacitance, except power is below 20W). Avoid to use no-name products. Insert the battery with the plus terminal in the direction towards the atomizer and in angular position.

Electronic cigarettes
Electronic cigarettes are NOT healthy. But so far all studies indicate, that they are less harmful compared to tobacco- cigarettes.
Electronic cigarettes are an alternative to tobacco-products, but should not be regarded as an dehabituation to smoking.
Electronic cigarettes are not suited for children and youngster below 18years of age, non-smokers, pregnant women, persons with allergies against Nicotine, Propylene Glycol and persons with cardiovascular disease.
Selling to persons below 18years of age prohibited!

Battery Disposal
You bought a rechargable battery powered product. The rechargable battery lasts long, but wears out nevertheless. Li-Ion batteries may not be disposed in houshold waste. Customers are obligated by law to dispose wear out batteries to apporiate gathering points.

Mod Disposal
The symbol below indicates that this product should not be treated as household waste, but according to WEEE (waste electrical/electronical equipment) should be reused or recycled.Thank You!

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