

# Vamo Detachable VV & VW Mod V2.0 with RMS feature

The Vamo has a recessed atomiser fitting with a large opening to accommodate the eGo skirt. Most popular atomisers and cartomisers will fit, however if you use a wide skirted unit (eg: Kanger T2 or T3 clearomizer) you will need to fit a 510-EGO adaptor..

With the new detachable design, the Vamo Mod can work with 1pc 18650 battery or 2pcs 18350 batteries; also it can work with only 1pc 18350 battery.

Voltage is delivered via PWM (Pulse Width Modulation) with a maximum current of 5A.



In '*long*' mode on the left the device can be used with one 18650 battery or TWO 18350 batteries. On the right in '*short*' mode the device is using a single 18350 battery.

Protected type Li-Ion batteries will not work in this device – the over current protection renders them unusable as they usually have a current limit of 2.5 Amperes and this device uses current higher than that figure.. Please use High drain Safe rated batteries with no on-board protection for optimum use of this device.


Recommended batteries are IMR / AW type cells.


There are 3 buttons on the Vamo's body, please take a look at the image below: Metal buttoned versions are not marked with symbols

**NOTE** that the negative button is the **LEFT** button and the positive button is the **RIGHT** button.



Note: when a battery is inserted the screen may flash once and then turn off – the device is not yet turned on – you will need to click the power button 5 times to turn the device on. Your device is not faulty! Remember you must turn the device on!

**Adjustment  Button:** Press the button to increase the voltage from 3.0v-6.0v in 0.1V steps, when you reach 6.0 v, it will start back from 3.0v. In wattage mode 3.0 to 15 Watts in 0.5 Watt increments when you reach 15 Watts it will start back from 3.0 Watts

**Adjustment  Button:** Press the button to decrease the voltage from 6.0v-3.0v in 0.1V steps, when reach 6.0 v, it will start back from 6.0v. In wattage mode 15.0 to 3.0 Watts in 0.5 Watt increments when you reach 3.0 Watts it will start back from 15.0 Watts



Be aware of this feature as you might inadvertently set the voltage or wattage too high by accident.

**Power Button:** Press the power button 5 times, you can turn the device ON or OFF. Obviously the power button is used to activate the atomiser in actual operation. There is a safety cut out if the button is held down for more than 10 seconds duration.

## VOLTAGE TYPE:

Voltage to the atomising device can be provided in two ways from the mod.

**RMS** and **AVG**. It is recommended that users use the **RMS** (*Root Mean Square*) mode as this will be a more reliable and accurate method of delivering consistently accurate voltage.

- Hold either the  OR  button for **10** seconds to toggle between modes.
- RMS mode = **N02** displayed on screen
- AVG mode = **N01** displayed on screen

Whatever version of the mod you may have the voltage method should be remembered even when batteries are changed.


## VARIABLE MODES -- VOLTS OR WATTS

Your device can operate in Variable Voltage mode or Variable Wattage mode.


- Constant voltage. In this mode, you can adjust from 3.0 to 6.0 Volts in 0.1 volt increments. The voltage that you set will be maintained as accurately as possible by automatic adjustment of current delivery.
- Constant power. In this mode, you can adjust from 3.0 to 15 Watts in 0.5 Watt increments. The wattage that you set will be maintained as accurately as possible via analysis of voltage and current delivery.

Change modes by holding  AND  buttons at the same time for **3** seconds.

## Resistance meter:

Hold the  button down for 3 seconds and the resistance of the attached atomiser will be displayed.

## Battery power check

Hold the  button for 3 seconds to display current battery voltage.

### **Additional Safety features and Functions:**

- When you press the power button to use the device for 10-15 seconds or more, the device will turn off automatically.
- When a single batteries voltage is less than 3.2v or dual 18350 batteries voltage is less than 6.4v, the screen will display LO v, which indicates that the batteries need to be recharged.
- Atomizers at 1.2ohm or less, the screen will display LO  $\Omega$ , which indicates that you need to use a new atomizer at higher resistance.
- Atomizer short circuit the screen will display LO v.
- Incorrect battery installation protection. The device will not work circuits will be protected.
- Max current 5A
- Minimum resistance 1.2  $\Omega$
- Thermal Monitoring
- Correct Polarity Signalling
- Heavy Duty Micro-switches
- Vent Hole in Battery End Cap
- Battery End Cap 'fail safe' designed to 'give way'

## **Addendum:**

Some versions of this mod were provided with a small spring in the base that proved to be temperamental with some flat headed 18650 batteries.

The original type of spring looks like this:



Later versions will be provided with an uprated spring – in the meantime you can retrofit any suitable spring from a cheap torch to rectify any problems you may encounter regarding flat headed 18650 batteries like so;



*Image provided by "Captain Blackbird" UKV forum member*